CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA
Mailing Address: P. O. BOX 669; CARLIN, NEVADA 89822-0669
Physical Address: 6 MILES NORTHWEST OF CARLIN, NEVADA; OFF OF S.R. 766 (INTERSTATE 80, EXIT 280)
General Facility Location: T33N & 34N, R51E & 52E; Section 13,
T35N, R50E & 51E; Sections 19, 29, 30 & 32
MDB&M (HA 51)

EMISSION UNIT LIST:

ORE PROCESSING – MILL 5

A. System 01 - Mill 5 Ore Receiving and Crushing Circuit

PF 1.001 (ROM) Ore Dump discharge/transfer to Primary Crusher Hopper (2200-BN-02)
PF 1.002 Primary Crusher Hopper (2200-BN-02) discharge/transfer to Primary Crusher Apron Feeder (2200-FE-03)
PF 1.003 Primary Crusher Apron Feeder (2200-FE-03) discharge/transfer to Primary Gyratory Crusher (2200-CR-02)
PF 1.004 Primary Gyratory Crusher (2200-CR-02)
PF 1.005 Primary Gyratory Crusher (2200-CR-02) discharge/transfer to Conveyor (2200-CV-04)

B. System 02 - Mill 5 Crushed Ore Transfer Circuit

PF 1.006 Conveyor (2200-CV-04) discharge/transfer to Conveyor (2200-CV-03)
PF 1.007 Conveyor (2200-CV-03) discharge/transfer to Conveyor (2200-BM-03)
PF 1.008 Conveyor (2200-BM-03) discharge/transfer to Crushed Ore Stockpile

C. System 03 - Mill 5 Ore Reclaim Transfer to SAG Mill and Cone Crusher Circuit

S 2.001 Reclaim Feeder (2300-FE-09) discharge/transfer to SAG Mill Conveyor (2300-CV-14)
S 2.002 Reclaim Feeder (2300-FE-10) discharge/transfer to SAG Mill Conveyor (2300-CV-14)
S 2.003 Reclaim Feeder (2300-FE-11) discharge/transfer to SAG Mill Conveyor (2300-CV-14)
S 2.004 Conveyor (2300-FE-14) discharge/transfer to Secondary Cone Crusher (2300-CR-02)
S 2.005 Conveyor (2300-FE-15) discharge/transfer to Secondary Cone Crusher (2300-CR-03)
S 2.006 Secondary Cone Crusher (2300-CR-02)
S 2.007 Secondary Cone Crusher (2300-CR-03)
S 2.008 Secondary Cone Crusher (2300-CR-02) discharge/transfer to Conveyor (2300-CV-20)
S 2.009 Secondary Cone Crusher (2300-CR-03) discharge/transfer to Conveyor (2300-CV-21)
S 2.010 Conveyor (2300-CV-20) discharge/transfer to Conveyor (2300-CV-22)
S 2.011 Conveyor (2300-CV-21) discharge/transfer to Conveyor (2300-CV-22)
S 2.012 Conveyor (2300-CV-22) discharge/transfer to Mill Feed Conveyor (2300-CV-14)
S 2.013 Lime Silo - Unloading (2600-BN-02) discharge/transfer to Conveyor (2300-CV-14)

C1. System 03a – Reagent Mix Tanks associated with Flotation Circuit at Mill 5

PF 1.045 Reagent Mix Tank 1 (Loading)

C2. System 03b – Reagent Mix Tanks associated with Flotation Circuit at Mill 5

PF 1.046 Reagent Mix Tank 2 (Loading)

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ORE PROCESSING (CONTINUED) – MILL 5 (CONTINUED)

C3. System 03c – Reagent Mix Tanks associated with Flotation Circuit at Mill 5

PF 1.047 Reagent Mix Tank 3 (Loading)

Systems 03a. through 03c. above, added to Emission Unit List on February 27, 2004

D. System 04 – Chukar Underground Lime/Cement/Soda Ash Silo - Loading

S 2.014 Chukar Underground Lime/Cement/Soda Ash Silo - Loading (500-DC-014)

D1. System 04A – Chukar Underground Lime/Cement/Soda Ash Silo - Loading (Added on March 12, 2009)

S 2.220 Chukar Underground Lime/Cement/Fly Ash Silo - Loading (500-DC-044)

SOUTH AREA LEACH PROCESSING

E. System 05 - South Area Leach Primary Crusher Circuit

PF 1.009 (ROM) Ore Dump discharge/transfer to Primary Crusher Hopper (120-BN-01)
PF 1.010 Primary Crusher Hopper (120-BN-01) discharge/transfer to Primary Gyratory Crusher (250-CR-01)
PF 1.011 Primary Gyratory Crusher (250-CR-01)
PF 1.012 Primary Gyratory Crusher (250-CR-01) discharge/transfer to Conveyor Feeder (220-CV-01)
PF 1.013 Conveyor Feeder (220-CV-01) discharge/transfer to Conveyor (230- CV-02)

F. System 06 - (Alternative Operating Scenario) - South Area Leach Primary Crusher Circuit

PF 1.009 (ROM) Ore Dump discharge/transfer to Primary Crusher Hopper (120-BN-01)
PF 1.010 Primary Crusher Hopper (120-BN-01) discharge/transfer to Primary Gyratory Crusher (250-CR-01)
PF 1.011 Primary Gyratory Crusher (250-CR-01)
PF 1.012 Primary Gyratory Crusher (250-CR-01) discharge/transfer to Conveyor Feeder (220-CV-01)
S 2.217 Conveyor Feeder (220-CV-01) discharge/transfer to Conveyor (230-CV-02)

G. System 07 - South Area Leach Transfer of Primary Crushed Ore

PF 1.014 Conveyor (230-CV-02) discharge/transfer to Conveyor (230-CV-01)

H. System 08 - (Alternative Operating Scenario) - South Area Leach Transfer of Primary Crushed Ore

S 2.218 Conveyor (230-CV-02) discharge/transfer to Conveyor (230-CV-01)

I. System 09 - South Area Leach Transfer of Primary Crushed Ore System (Shuttle Conveyor)

PF 1.015 Conveyor (230-CV-01) discharge/transfer to Shuttle Conveyor (Renamed 330-CV-01)

J. System 10 - (Alternative Operating Scenario) - South Area Leach Transfer of Primary Crushed Ore System

S 2.219 Conveyor (230-CV-01) discharge/transfer to Shuttle Conveyor (Renamed 330-CV-01)

K. System 11 - South Area Leach Cement/Lime Silo - Loading

S 2.015 Cement/Lime Silo-Loading (630-BN-01)

K1. System 11A - South Area Leach Cement/Lime Silo - Loading (Added on March 12, 2009)

S 2.221 Cement/Lime Silo-Loading (630-BN-04)

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ORE PROCESSING (CONTINUED) – SOUTH AREA LEACH PROCESSING (CONTINUED)

L. System 12 - South Area Leach Cement/Lime Silo - Unloading

PF 1.016 Cement/Lime Silo - Unloading (630-BN-01) discharge/transfer to Conveyor (230-CV-02)

L1. System 12A - South Area Leach Cement/Lime Silo - Unloading (Added on March 12, 2009)

PF 1.048 Cement/Lime Silo - Unloading (630-BN-04) discharge/transfer to Conveyor (230-CV-02)

M. System 13 - South Area Leach Transfer of Primary Crushed Ore to Secondary Stockpile, OR Truck Load-Out Stockpile

PF 1.017 Shuttle Conveyor (330-CV-01) discharge/transfer to Secondary Crushing Stockpile, **OR**

PF 1.017.1 Shuttle Conveyor (330-CV-01) discharge/transfer to Truck Load-Out Stockpile

N. System 14 - South Area Leach Transfer of Secondary Crushed Ore to Tertiary Stockpile OR Truck Load-Out Stockpile

PF 1.023 Shuttle Conveyor (530-CV-03) discharge/transfer to Tertiary Crushing Stockpile, **OR**

PF 1.023.1 Shuttle Conveyor (530-CV-03) discharge/transfer to Truck Load-Out Stockpile

O. System 15 - South Area Leach Tertiary Crushing Reclaim Transfer System

S 2.171 Conveyor (330-AF-01) discharge/transfer to Transfer Conveyor (300-CV-103)

S 2.172 Dribble Conveyor (330-CV-005) discharge/transfer to Transfer Conveyor (300-CV-103)

P. System 16 - South Area Leach Tertiary Crushing Reclaim Transfer System

S 2.173 Conveyor (330-AF-02) discharge/transfer to Transfer Conveyor (300-CV-104)

S 2.174 Dribble Conveyor (330-CV-006) discharge/transfer to Transfer Conveyor (300-CV-104)

Q. System 17 - South Area Leach Secondary Crushing Reclaim Transfer System

S 2.175 Conveyor (330-AF-05) discharge/transfer to Transfer Conveyor (200-CV-001)

S 2.176 Dribble Conveyor (330-CV-08) discharge/transfer to Transfer Conveyor (200-CV-001)

REFRACTORY LEACH PROJECT

R. System 18 - Refractory Leach Project Secondary Screening/Crushing Circuit

S 2.177 Overhead Conveyor (200-CV-001) discharge/transfer to Secondary Screen (200-SC-001)

S 2.178 Secondary Screen (200-SC-001)

S 2.179 Secondary Screen (200-SC-001) undersize discharge/transfer to Screen Undersize Conveyor (200-CV-003)

S 2.180 Secondary Screen (200-SC-001) oversize discharge/transfer to Secondary Crusher (200-CR-001)

S 2.181 Secondary Crusher (200-CR-001)

S 2.182 Secondary Crusher (200-CR-001) discharge/transfer to Collecting Conveyor (200-CV-004)

S 2.183 Conveyor (200-CV-003) discharge/transfer to Collecting Conveyor (200-CV-004)

S 2.184 Conveyor (200-CV-003) discharge/transfer to Collecting Conveyor (300-CV-007)

S 2.185 Conveyor (200-CV-004) discharge/transfer to Conveyor (200-CV-006)

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ORE PROCESSING (CONTINUED) – REFRACTORY LEACH PROJECT (CONTINUED)

S. System 19 - Refractory Leach Project Transfer of Secondary Crushed Ore System

S 2.186 Conveyor (530-CV-02) discharge/transfer to Shuttle Conveyor (530-CV-03)

S1. System 19A – Alternative Operating Scenario - Refractory Leach Project Transfer of Secondary Crushed Ore System (Added on March 12, 2009)

PF 1.049 Conveyor (530-CV-02) discharge/transfer to Shuttle Conveyor (530-CV-03)

T. System 20 - Refractory Leach Project Tertiary Crushing Circuit

S 2.187 Conveyor (300-CV-103) discharge/transfer to Tertiary Screen (300-SC-002)
S 2.188 Conveyor (300-CV-104) discharge/transfer to Tertiary Screen (300-SC-003)
S 2.189 Tertiary Screen (300-SC-002)
S 2.190 Tertiary Screen (300-SC-003)
S 2.191 Tertiary Screen (300-SC-002) undersize discharge/transfer to Screen Discharge Conveyor (400-CV-107)
S 2.192 Tertiary Screen (300-SC-003) undersize discharge/transfer to Screen Discharge Conveyor (400-CV-108)
S 2.193 Tertiary Screen (300-SC-002) oversize discharge/transfer to Tertiary Crusher (300-CR-002)
S 2.194 Tertiary Screen (300-SC-003) oversize discharge/transfer to Tertiary Crusher (300-CR-003)
S 2.195 Tertiary Crusher (300-CR-002)
S 2.196 Tertiary Crusher (300-CR-003)
S 2.197 Tertiary Crusher (300-CR-002) discharge/transfer to Collecting Conveyor (400-CV-106)
S 2.198 Tertiary Crusher (300-CR-003) discharge/transfer to Collecting Conveyor (400-CV-106)
S 2.199 Screen Discharge Conveyor (400-CV-107) discharge/transfer to Collecting Conveyor (400-CV-106)
S 2.200 Screen Discharge Conveyor (400-CV-1078) discharge/transfer to Collecting Conveyor (400-CV-106)

U. System 21 - Refractory Leach Project Crushed Ore Transfers: Collecting Conveyors

S 2.201 Transfer Conveyor (200-CV-006) discharge/transfer to Conveyor (530-CV-02)
S 2.202 Collecting Conveyor (300-CV-007) discharge/transfer to Overland Conveyor (400-CV-014)
S 2.203 Collecting Conveyor (400-CV-106) discharge/transfer to Conveyor (530-CV-02)

V. System 22 - Refractory Leach Project Crushed Ore Transfer: Overland Conveyor (REMOVED: November 7, 2006)

S 2.204 Overland Conveyor (400-CV-014) discharge/transfer to Fine Ore Bin Conveyor (400-CV-016)

W. System 23 - Refractory Leach Project Agglomeration Drums (REMOVED: November 7, 2006)

S 2.205 Fine Ore Bin Conveyor (400-CV-016) discharge/transfer to Fine Ore Bin (400-BN-012)
S 2.206 Agglomeration Drum Feeder (400-FE-006) discharge/transfer to Agglomeration Drum (400-AD-001)
S 2.207 Agglomeration Drum Feeder (400-FE-007) discharge/transfer to Agglomeration Drum (400-AD-002)

X. System 24 - South Area Leach Truck Loading

PF 1.025 Apron Feeder (330-AF-03) discharge/transfer to Truck Conveyor (330-CV-02)
PF 1.026 Apron Feeder (330-AF-04) discharge/transfer to Truck Conveyor (330-CV-02)
PF 1.027 Truck Conveyor (330-CV-02) discharge/transfer to Leach Pad Haul Truck

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ORE PROCESSING (CONTINUED) – REFRACTORY LEACH PROJECT (CONTINUED)

Y. System 25 - Refractory Leach Project Neutralization Lime Unloading System (REMOVED: November 7, 2006)

S 2.208 Truck Unloading System (500-ZM-019)
S 2.209 Truck Unloading System (500-ZM-019) discharge/transfer to Neutralization Silo (500-BN-010)

Z. System 26 – Mill 5 Lime Silo - Loading

S 2.210 Mill 5 Lime Silo - Loading (2600-DC-02)

AA. System 27 - Refractory Leach Project Neutralization Area (REMOVED: November 7, 2006)

S 2.211 Neutralization Silo (500-BN-010) discharge/transfer to Reclaim Conveyor (500-CV-043)
S 2.212 Reclaim Belt Conveyor (500-CV-043) discharge/transfer to Pug Mill Conveyor (500-CV-048)

AB. System 28 - Refractory Leach Project Diatomaceous Earth Silo – Loading (REMOVED: November 7, 2006)

S 2.213 Diatomaceous Earth Bin - Loading (600-BN-027)

AC. System 29 - Refractory Leach Project Diatomaceous Earth Silo – Unloading (REMOVED: November 7, 2006)

PF 1.043 Diatomaceous Earth Bin - Unloading (600-BN-027)

AD. System 30 - Refractory Leach Project Water Treatment Plant Lime Unloading (REMOVED: November 7, 2006)

S 2.214 Water Treatment Plant Truck Unloading System (800-ZM-043)
S 2.215 Water Treatment Plant Truck Unloading System (800-ZM-043) discharge/transfer to Water Treatment Plant Silo (800-BN-029)

AE. System 31 - Refractory Leach Project Water Treatment Plant Lime Silo (REMOVED: November 7, 2006)

S 2.216 Water Treatment Plant Silo - Loading (800-BN-029)

AF. System 32 - Refractory Leach Project Water Treatment Plant Lime Silo (REMOVED: November 7, 2006)

PF 1.044 Water Treatment Plant Silo - Unloading (800-BN-029)

MILL 6 REFRACTORY ORE TREATMENT PLANT

AG. System 33 - Mill 6 Primary Crushing Circuit

PF 1.028 ROM Ore discharge/transfer to Primary Crusher Hopper (200-BN-01)
PF 1.029 Hopper (200-BN-01) discharge/transfer to Apron Feeder (200-FE-01)
PF 1.030 Apron Feeder (200-FE-01) discharge/transfer to Feeder (200-FE-03)
PF 1.031 Feeder (200-FE-03) discharge/transfer to Primary Jaw Crusher (200-CR-01)
PF 1.032 Primary Jaw Crusher (200-CR-01)
PF 1.033 Primary Jaw Crusher (200-CR-01) discharge/transfer to Conveyor (200-CV-01)

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MILL 6 REFRACTORY ORE TREATMENT PLANT (CONTINUED)

AH. System 34 - Mill 6 Secondary Crushing Circuit

S 2.060 Conveyor (200-CV-001) discharge/transfer to High Angle Conveyor (6200-CV-002)
S 2.061 High Angle Conveyor (6200-CV-002) discharge/transfer to Secondary Screen (6200-SC-002)
S 2.062 Secondary Screen (6200-SC-002)
S 2.063 Secondary Screen (6200-SC-002) undersize discharge/transfer to Product Conveyor (6200-CV-003)
S 2.064 Secondary Screen (6200-SC-002) oversize discharge/transfer to Secondary Crusher (6200-CR-002)
S 2.065 Secondary Crusher (6200-CR-002)
S 2.066 Secondary Crusher (6200-CR-002) discharge/transfer to Product Conveyor (6200-CV-003)
S 2.067 Product Conveyor (6200-CV-003) discharge/transfer to Radial Stacker (200-BM-01)

AI. System 35 - Mill 6 Radial Stacker

PF 1.034 Radial Stacker (200-BM-01) discharge/transfer to Stockpile

AJ. System 36 - Mill 6 Tertiary Crushing Circuit

S 2.068 Apron Feeder (300-FE-01) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S 2.069 Apron Feeder (300-FE-02) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S 2.070 Apron Feeder (300-FE-03) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S 2.071 Lime Bin-Unloading (600-BN-01)
S 2.072 Pyrite Feed Hopper (6300-BN-01)
S 2.073 Feed Conveyor (6300-FE-04) discharge/transfer to Pyrite Conveyor (6300-FE-05)
S 2.074 Pyrite Conveyor (6300-FE-05) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S 2.075 Reclaim Conveyor (6300-CV-004) discharge/transfer to Reclaim Conveyor (6300-CV-005)
S 2.076 Reclaim Conveyor (6300-CV-005) discharge/transfer to Conveyor (300-CV-03)
S 2.077 Conveyor (300-CV-03) discharge/transfer to Crusher Surge Bin (2300-BN-03)
S 2.078 Crusher Surge Bin (2300-BN-03) discharge/transfer to Tertiary Cone Crusher Feeder (2300-FE-04)
S 2.079 Tertiary Cone Crusher Feeder (2300-FE-04) discharge/transfer to Tertiary Cone Crusher (300-CR-01)
S 2.080 Tertiary Cone Crusher (300-CR-01)
S 2.081 Tertiary Cone Crusher (300-CR-01) discharge/transfer to Product Conveyor (2300-CV-026)
S 2.082 Product Conveyor (2300-CV-026) discharge/transfer to Conveyor (2300-CV-027)

AK. System 37 - Mill 6 Lime/Trona Bin Loading

S 2.083 Mill 6 Lime/Trona Bin - Loading (600-BN-01)

AL. System 38 - Mill 6 Crushed Ore Transfer

S 2.084 Conveyor (6300-CV-027) discharge/transfer to Feed Conveyor (6300-CV-028)

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MILL 6 REFRACTORY ORE TREATMENT PLANT (CONTINUED)

AM. System 39 - Mill 6 Grinding and Ore Re-circulation Circuit

S 2.085 Feed Conveyor (6300-CV-028) discharge/transfer to Double Rotator (6300-ML-001)
S 2.086 Double Rotator (6300-ML-001)
S 2.087 Double Rotator (6300-ML-001) discharge/transfer to Air Slide (6300-AS-001)
S 2.088 Air Slide (6300-AS-001) discharge/transfer to Bucket Elevator (6300-BE-001)
S 2.089 Bucket Elevator (6300-BE-001) discharge/transfer to Air Slide (6300-AS-003)
S 2.090 Air Slide (6300-AS-003) discharge/transfer to Dynamic Separator (6300-CS-002)
S 2.091 Dynamic Separator (6300-CS-002) discharge/transfer to Air Slide (6300-AS-025)
S 2.092 Air Slide (6300-AS-025) discharge/transfer to Air Slide (6300-AS-005)
S 2.093 Air Slide (6300-AS-025) discharge/transfer to Air Slide (6300-AS-006)
S 2.094 Air Slide (6300-AS-005) discharge/transfer to Air Slide (6300-AS-050)
S 2.095 Air Slide (6300-AS-006) discharge/transfer to Air Slide (6300-AS-060)
S 2.096 Air Slide (6300-AS-050) discharge/transfer to Double Rotator (6300-ML-001)
S 2.097 Air Slide (6300-AS-060) discharge/transfer to Double Rotator (6300-ML-001)

AN. System 40 - Mill 6 Dynamic Separator Baghouses

S 2.098 Dynamic Separator Product Baghouse (6300-DC-010)
S 2.099 Dynamic Separator Product Baghouse (6300-DC-011)
S 2.100 Dynamic Separator Product Baghouse (6300-DC-012)
S 2.101 Dynamic Separator Product Baghouse (6300-DC-013)

AO. System 41 - Mill 6 Transfers to Fine Ore Bin and Roaster Day Bins

S 2.102 Dynamic Separator Product Baghouse (6300-DC-010) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.103 Dynamic Separator Product Baghouse (6300-DC-011) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.104 Dynamic Separator Product Baghouse (6300-DC-012) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.105 Dynamic Separator Product Baghouse (6300-DC-013) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.106 Fine Ore Bin Baghouse (6300-DC-026) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.107 Static Baghouse (6300-DC-006) discharge/transfer to Air Slide (6300-AS-008)
S 2.108 Static Baghouse (6300-DC-007) discharge/transfer to Air Slide (6300-AS-008)
S 2.109 Static Baghouse (6300-DC-008) discharge/transfer to Air Slide (6300-AS-007)
S 2.110 Static Baghouse (6300-DC-009) discharge/transfer to Air Slide (6300-AS-007)
S 2.111 Air Slide (6300-AS-008) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.112 Air Slide (6300-AS-007) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.113 Fine Ore Bin (6300-BN-001) discharge/transfer to Air Slide (6300-AS-009)
S 2.114 Air Slide (6300-AS-021) discharge/transfer to Bucket Elevator (6300-BE-003)
S 2.115 Air Slide (6300-AS-022) discharge/transfer to Bucket Elevator (6300-BE-004)
S 2.116 Bucket Elevator (6300-BE-003) discharge/transfer to Air Slide (6300-AS-023)
S 2.117 Bucket Elevator (6300-BE-004) discharge/transfer to Air Slide (6300-AS-024)
S 2.118 Air Slide (6300-AS-023) discharge/transfer to North Day Bin (6400-BN-003)
S 2.119 Air Slide (6300-AS-024) discharge/transfer to North Day Bin (6400-BN-004)

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MILL 6 REFRACTORY ORE TREATMENT PLANT (CONTINUED)

AO1. System 41A – Alternative Operating Scenario - Mill 6 Transfers to Fine Ore Bin and Roaster Day Bins (Added on March 12, 2009)

Dynamic Separator Product Baghouse (6300-DC-010) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.103 Dynamic Separator Product Baghouse (6300-DC-011) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.104 Dynamic Separator Product Baghouse (6300-DC-012) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.105 Dynamic Separator Product Baghouse (6300-DC-013) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.106 Fine Ore Bin Baghouse (6300-DC-026) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.107 Static Baghouse (6300-DC-006) discharge/transfer to Air Slide (6300-AS-008)
S 2.108 Static Baghouse (6300-DC-007) discharge/transfer to Air Slide (6300-AS-008)
S 2.109 Static Baghouse (6300-DC-008) discharge/transfer to Air Slide (6300-AS-007)
S 2.110 Static Baghouse (6300-DC-009) discharge/transfer to Air Slide (6300-AS-007)
S 2.111 Air Slide (6300-AS-008) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.112 Air Slide (6300-AS-007) discharge/transfer to Fine Ore Bin (6300-BN-001)
S 2.113 Fine Ore Bin (6300-BN-001) discharge/transfer to Air Slide (6300-AS-009)
S 2.114 Air Slide (6300-AS-021) discharge/transfer to Bucket Elevator (6300-BE-003)
S 2.115 Air Slide (6300-AS-022) discharge/transfer to Bucket Elevator (6300-BE-004)
S 2.116 Bucket Elevator (6300-BE-003) discharge/transfer to Air Slide (6300-AS-023)
S 2.117 Bucket Elevator (6300-BE-004) discharge/transfer to Air Slide (6300-AS-024)
S 2.118 Air Slide (6300-AS-023) discharge/transfer to North Day Bin (6400-BN-003)
S 2.119 Air Slide (6300-AS-024) discharge/transfer to North Day Bin (6400-BN-004)

Roaster "Umbrella" Units (S2.120 – S2.156)

AP. System 42 - Mill 6 Static Separator (S2.120 – S2.124) (Exhaust Stack – (E6))

S 2.120 Double Rotator Air Preheater (6300-BU-001)
S 2.121 Static Separator Product Baghouse (6300-DC-006)
S 2.122 Static Separator Product Baghouse (6300-DC-007)
S 2.123 Static Separator Product Baghouse (6300-DC-008)
S 2.124 Static Separator Product Baghouse (6300-DC-009)

AQ. System 43 - North CFB Preheater (S2.125 – S2.127) and South CFB Preheater (S2.128 – S2.130) (Exhaust Stack – (E8))

S 2.125 Heater (6400-BU-003)
S 2.126 Day Bin (6400-BN-003) discharge/transfer to CFB Ore Preheater (6400-PH-001)
S 2.127 Preheater Baghouse (6400-DC-017) discharge/transfer to Dust Bin (6400-BN-007)
S 2.128 Heater (6400-BU-002)
S 2.129 Day Bin (6400-BN-004) discharge/transfer to CFB Ore Preheater (6400-PH-002)
S 2.130 Preheater Baghouse (6400-DC-016) discharge/transfer to Dust Bin (6400-BN-008)

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ORE PROCESSING (CONTINUED) – MILL 6 REFRACTORY ORE TREATMENT PLANT (CONTINUED)

Roaster "Umbrella" Units (S2.120 – S2.156) (Continued)

AR. System 44 - North CFB Roaster (S2.131 – S2.142) and South CFB Roaster (S2.143 – S2.154) and Regenerative Thermal Oxidizer (S2.155 – S2.156) (Exhaust Stack – (E14A))

S 2.131 Primary Gas Heater (6400-BU-005)
S 2.132 Primary Gas Heater (6400-BU-009)
S 2.133 CFB Ore Preheater (6400-PH-001) discharge/transfer to CFB Roaster (6400-RO-001)
S 2.134 Roaster Seal Device discharge/transfer to Calcine Cooler (6400-CC-001 and 6400-CC-003)
S 2.135 Dust Bin (6400-BN-007) discharge/transfer to CFB Roaster (6400-RO-001)
S 2.136 Calcine Cooler (6400-CC-001 and 6400-CC-003) discharge/transfer to Air Cyclones (6400-CS-011 and 6400-CS-013)
S 2.137 Air Cyclones (6400-CS-011 and 6400-CS-013) discharge/transfer to Screw Conveyors
S 2.138 Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-001)
S 2.139 Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-003)
S 2.140 Waste Heat Boiler (6400-WB-001) discharge/transfer to Screw Conveyors
S 2.141 Precipitator (6500-EP-001) discharge/transfer to Screw Conveyors
S 2.142 Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-001 and 6400-CC-003)
S 2.143 Primary Gas Heater (6400-BU-004)
S 2.144 Primary Gas Heater (6400-BU-008)
S 2.145 CFB Ore Preheater (6400-PH-002) discharge/transfer to CFB Roaster (6400-RO-002)
S 2.146 Roaster Seal Device discharge/transfer to Calcine Cooler (6400-CC-002 and 6400-CC-004)
S 2.147 Dust Bin (6400-BN-008) discharge/transfer to CFB Roaster (6400-RO-002)
S 2.148 Calcine Cooler (6400-CC-002 and 6400-CC-004) discharge/transfer to Air Cyclones (6400-CS-012 and 6400-CS-014)
S 2.149 Air Cyclones (6400-CS-012 and 6400-CS-014) discharge/transfer to Screw Conveyors
S 2.150 Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-002)
S 2.151 Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-004)
S 2.152 Waste Heat Boiler (6400-WB-002) discharge/transfer to Screw Conveyors
S 2.153 Precipitator (6500-EP-002) discharge/transfer to Screw Conveyors
S 2.154 Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-002 and 6400-CC-004)
S 2.155 Thermal Oxidizer Heater (6600-BU-011), Burner # 1
S 2.156 Thermal Oxidizer Heater (6600-BU-011), Burner # 2

END OF ROASTER "UMBRELLA" UNITS

AS. System 45 - Acid Plant Startup Heater

S 2.157 Acid Plant Startup Heater (6600-BU-010), Burner # 10

AT. System 46 – ROTP/Mill 6 Cooling Tower

S 2.401 ROTP/Mill 6 two-cell counterflow Cooling Tower (Model & Serial Numbers not provided by Facility)

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

ORE PROCESSING (CONTINUED) – MILL 6 REFRACTORY ORE TREATMENT PLANT (CONTINUED)

AU. System 47 - North Calcine Quench (Normal Operations)

S 2.158 Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S 2.159 Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

AV. System 48 - Alternative Operating Scenario - North Calcine Quench (Maintenance Conditions #1)

S 2.158A Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S 2.159A Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

AW. System 49 - Alternative Operating Scenario - North Calcine Quench (Maintenance Conditions #2)

S 2.158B Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S 2.159B Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

AX. System 50 - Alternative Operating Scenario - North Calcine Quench (Maintenance Conditions #3)

S 2.158C Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S 2.159C Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

AY. System 51 - South Calcine Quench (Normal Operations)

S 2.160 Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S 2.161 Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

AZ. System 52 - Alternative Operating Scenario - South Calcine Quench (Maintenance Conditions #1)

S 2.160A Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S 2.161A Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

BA. System 53 - Alternative Operating Scenario - South Calcine Quench (Maintenance Conditions #2)

S 2.160B Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S 2.161B Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

BB. System 54 - Alternative Operating Scenario - South Calcine Quench (Maintenance Conditions #3)

S 2.160C Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S 2.161C Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

BC. System 55 - Mill #6 Lime Storage

S 2.162 Lime Bin – Loading (6800-BN-09)

BD. System 56 - CFB North Roaster Lime/Soda Ash Storage

S 2.163 Bin - Loading (6400-BN-005)

BE. System 57 - CFB South Roaster Lime/Soda Ash Storage

S 2.164 Bin - Loading (6400-BN-006)

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ORE PROCESSING (CONTINUED) – MILL 6 REFRACTORY ORE TREATMENT PLANT (CONTINUED)

BF. System 58 - CFB North Roaster Oxygen Preheater

S 2.165 Oxygen Preheater (6400-BU-007)

BG. System 59 - CFB South Roaster Oxygen Preheater

S 2.166 Oxygen Preheater (6400-BU-006)

BH. System 60 - Liquid Sulfur/Acid Tank Heaters

S 2.167 Tank Heater (6100-BO-001)
S 2.168 Tank Heater (6100-BO-002)

GOLD QUARRY BIOLEACH TEST PROJECT

BI. System 61 - Gold Quarry Bioleach Test Project - Mixer

PF 1.035 Mixer (BLM-002)

BJ. System 62 – Gold Quarry Bioleach Test Project - Silo Loading (REVISED: November 7, 2006)

S 2.169 Lime/Cement/Ash Silo - Loading

BK. System 63 - Gold Quarry Bioleach Test Project - Silo Discharge (REVISED: November 7, 2006)

PF 1.036 Lime/Cement/Soda Ash Silo - Discharge

BL. System 64 - Gold Quarry Bioleach Test Project - Silo Loading (REVISED: November 7, 2006)

S 2.170 Lime/Cement/Ash Silo - Loading

BM. System 65 - Gold Quarry Bioleach Test Project - Silo Discharge (REVISED: November 7, 2006)

PF 1.037 Lime/Cement/Soda Ash Silo - Discharge

CARBON HANDLING

BN. System 66 - Carbon Stripping Boiler # 1

S 2.050 Boiler, (500-BO-01)

BO. System 67 - Carbon Stripping Boiler # 2

S 2.051 Boiler, (500-BO-02)

BP. System 68 - Carbon Stripping Boiler # 3

S 2.052 Boiler, (550-HE-41)

BQ. System 69 - Carbon Stripping Boiler # 4

S 2.053 Boiler, Cleaver-Brooks (550-HE-42)

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CARBON HANDLING (CONTINUED)

BR. System 70 - Carbon Stripping Boiler # 5

S 2.054 Boiler, Cleaver-Brooks (550-HE-43)

BS. System 71 - Carbon Stripping Boiler # 6

S 2.055 Boiler, Cleaver-Brooks (550-HE-44)

BT. System 72 - Carbon Regeneration Kiln # 1 (Revised March 12, 2009)

S 2.056 Carbon Regeneration Kiln (500-DC-014)
S 2.057 Carbon Regeneration Kiln Burner (500-DC-014-Burner)

BU. System 73 - Carbon Regeneration Kiln # 2 (Revised March 12, 2009)

S 2.058 Carbon Regeneration Kiln (2550-DC-03)
S 2.059 Carbon Regeneration Kiln Burner (2550-DC-03-Burner)

ORE PROCESSING

BV. System 74 - Propane Vaporizer

S 2.171 Propane Vaporizer # 1 (Model & Serial Numbers not provided by Facility)

BW. System 75 - Propane Vaporizer

S 2.172 Propane Vaporizer # 2 (Model & Serial Numbers not provided by Facility)

BX. System 76 - Propane Vaporizer

S 2.173 Propane Vaporizer # 3 (Model & Serial Numbers not provided by Facility)

GOLD REFINING

BY. System 77 - Refinery Mercury Retort Circuit

S 2.041 Mercury Retort Furnace (500-FC-10)
S 2.042 Mercury Retort Furnace (500-FC-11)
S 2.043 Mercury Retort Furnace (500-FC-12)
S 2.044 Mercury Retort Furnace (500-FC-13)
S 2.045 Mercury Retort Furnace (500-FC-14)
S 2.046 Mercury Retort Furnace (500-FC-15)
S 2.046.1 Mercury Retort Furnace (700-FC-01) **(Removed: December 6, 2007)**
S 2.046.2 Mercury Retort Furnace (700-FC-02) **(Removed: December 6, 2007)**

BZ. System 78- Electric Refinery Induction Furnaces

S 2.047 Electric Induction Furnace (700-FC-16)
S 2.048 Electric Induction Furnace (500-FC-17)
S 2.049 Electric Induction Furnace (500-FC-05)

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ASSAY LABORATORY

CA. System 79 - Integrated Laboratory Crushing System # 1

S 2.036 Primary Crusher (858-LB-70A)
S 2.037 Secondary Crusher (858-CR-87)

CB. System 80 - Integrated Laboratory Crushing System # 2

S 2.038 Primary Crusher (858-CR-86)
S 2.039 Secondary Crusher (858-CR-88)
S 2.039A Secondary Crusher (858-CR-89)
S 2.039B Secondary Crusher (858-CR-90)

CC. System 81 - Integrated Laboratory Flux Mixer (Revised March 12, 2009)

S 2.040 Flux Mixer (858-LB-75)

FUEL STORAGE

CD. System 82 - Trim Fuel Storage Tank

PF 1.038 Trim Fuel Storage Tank, 50,000 gallons capacity

CE. System 83 – Diesel Fuel Storage Tanks

PF 1.039 Diesel Fuel Storage Tank, 50,000 gallons capacity (830-TK-01)
PF 1.040 Diesel Fuel Storage Tank, 50,000 gallons capacity (830-TK-09)
PF 1.041 Diesel Fuel Storage Tank, 50,000 gallons capacity (830-TK-10)
PF 1.042 Diesel Fuel Storage Tank, 50,000 gallons capacity

PRAXAIR OXYGEN PLANT

CF. System 84 - Oxygen Plant Regenerative Heater

S 2.400 Oxygen Plant Regenerative Heater (Model & Serial #'s not provided by Facility)

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METAL REMOVAL PLANT

CG. System 85 – Underground Ore Receiving System (Added on December 6, 2007)

PF 1.048 Underground Ore Receiving System

CH. System 86 – Metal Removing System (Added on December 6, 2007)

S 2.220 Vibratory grizzly discharge to metal removal conveyor #1
S 2.220.1 Vibratory grizzly discharge to inclined belt feeder
S 2.221 Metal removal conveyor #1 discharge to metal removal conveyor #2
S 2.222 Metal removal conveyor #2 discharge to transfer conveyor #3
S 2.223 Transfer conveyor #3 discharge to radial stacker

CI. System 87 – Ore Stockpile Drops (Added on December 6, 2007)

PF 1.049 Radial stacker discharge to undersize stockpile
PF 1.050 Inclined belt feeder discharge to oversize stockpile

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Section VI. Specific Operating Conditions

A. Emission Units #'s PF1.001 – PF1.005 location North 4512.62 km, East 568.12 km, UTM (Zone 11)

A. System 01 - Mill 5 Ore Receiving and Crushing Circuit		
PF	1.001	(ROM) Ore Dump discharge/transfer to Primary Crusher Hopper (2200-BN-02)
PF	1.002	Primary Crusher Hopper (2200-BN-02) discharge/transfer to Primary Crusher Apron Feeder (2200-FE-03)
PF	1.003	Primary Crusher Apron Feeder (2200-FE-03) discharge/transfer to Primary Gyratory Crusher (2200-CR-02)
PF	1.004	Primary Gyratory Crusher (2200-CR-02)
PF	1.005	Primary Gyratory Crusher (2200-CR-02) discharge/transfer to Conveyor (2200-CV-04)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.001** shall be controlled by an Enclosure and by operating Fogging or Atomizor Water Sprays with Chemical Surfactant located at **PF1.001**.
   Emissions from **PF1.002 - PF1.005** each, shall be controlled by operating Fogging or Atomizor Water Sprays with Chemical Surfactant located at **PF1.002 - PF1.005** each.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.001 - PF1.005,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.001 - PF1.005,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **7.50** pounds per hour combined, nor more than **21.25** tons per year combined, based on a 12-month rolling period. This limit is less than the **248.85** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited in A.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **7.50** pounds per hour combined, nor more than **21.25** tons per year combined, based on a 12-month rolling period. This limit is less than the **248.85** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited in A.3.a. of this section
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.001 - PF1.005** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.001 - PF1.005** each, will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 01** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.001 - PF1.005** each, will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.001 - PF1.005** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

A. Emission Units #'s PF1.001 - PF1.005 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.001 - PF1.005** each, will not exceed **1500.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.001 - PF1.005** each, will not exceed **8,500,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.001 - PF1.005 each, may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.001 - PF1.005** each, on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.001 - PF1.005** each, on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.001 - PF1.005** each, on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays and chemical surfactant addition system and verify that they are operating normally; record the time of the observation and indicate if the water sprays and chemical surfactant addition system are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.001 - PF1.005** each; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.001 - PF1.005** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water spray and chemical surfactant addition system, and any corrective actions taken in order to maintain implementation and proper use of the water spray and chemical surfactant addition system used for control of emissions, and documentation of the chemical surfactant usage on a monthly basis.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

A. Emission Units #'s PF1.001 - PF1.005 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (continued)
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

B. Emission Units #'s PF1.006 – PF1.008 location North 4512.62 km, East 568.12 km, UTM (Zone 11)

B. System 02 - Mill 5 Crushed Ore Transfer Circuit		
PF	1.006	Conveyor (2200-CV-04) discharge/transfer to Conveyor (2200-CV-03)
PF	1.007	Conveyor (2200-CV-03) discharge/transfer to Conveyor (2200-BM-03)
PF	1.008	Conveyor (2200-BM-03) discharge/transfer to Crushed Ore Stockpile

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.006 - PF1.007** each, shall be controlled by an Enclosure, and by operating Fogging or Atomizor Water Sprays with Chemical Surfactant located at **PF1.006 - PF1.007** each.
   Emissions from **PF1.008** shall be controlled by operating Fogging or Atomizer Water Sprays with Chemical Surfactant located at **PF1.008**.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.006 - PF1.008,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.006 - PF1.008,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.79** pound per hour combined, nor more than **2.23** tons per year combined, based on a 12-month rolling period. This limit is less than the **248.85** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by B.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **2.25** pounds per hour combined, nor more than **6.38** tons per year combined, based on a 12-month rolling period. This limit is less than the **248.85** pounds per hour combined maximum allowable emission limit as determined from SIP 732 and the combined maximum allowable throughput as limited by B.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.006 - PF1.008** each will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.006 - PF1.008** each will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 02** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.006 - PF1.007** each, will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.006 - PF1.007** each including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

B. Emission Units #'s PF1.006 – PF1.008 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.006 - PF1.008** each, will not exceed **1500.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.006 - PF1.008** each, will not exceed **8,500,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.006 - PF1.008 each, may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.006 - PF1.008** each, on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.006 - PF1.008** each, on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.006 - PF1.008** each, on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays, chemical surfactant addition and the enclosure system and verify that they are operating normally; record the time of the observation and indicate if the water sprays, chemical surfactant addition and enclosure system are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.006 - PF1.008** each; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.006 - PF1.008** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water spray, chemical surfactant addition and enclosure system, and any corrective actions taken in order to maintain implementation and proper use of the water spray, chemical surfactant addition and enclosure system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

B. Emission Units #'s PF1.006 – PF1.008 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

C. Emission Units #'s S2.001 – S2.013 location North 4512.62 km, East 568.12 km, UTM (Zone 11)

C. System 03 - Mill 5 Ore Reclaim Transfer to SAG Mill and Cone Crusher Circuit		
S	2.001	Reclaim Feeder (2300-FE-09) discharge/transfer to SAG Mill Conveyor (2300-CV-14)
S	2.002	Reclaim Feeder (2300-FE-10) discharge/transfer to SAG Mill Conveyor (2300-CV-14)
S	2.003	Reclaim Feeder (2300-FE-11) discharge/transfer to SAG Mill Conveyor (2300-CV-14)
S	2.004	Conveyor (2300-FE-14) discharge/transfer to Secondary Cone Crusher (2300-CR-02)
S	2.005	Conveyor (2300-FE-15) discharge/transfer to Secondary Cone Crusher (2300-CR-03)
S	2.006	Secondary Cone Crusher (2300-CR-02)
S	2.007	Secondary Cone Crusher (2300-CR-03)
S	2.008	Secondary Cone Crusher (2300-CR-02) discharge/transfer to Conveyor (2300-CV-20)
S	2.009	Secondary Cone Crusher (2300-CR-03) discharge/transfer to Conveyor (2300-CV-21)
S	2.010	Conveyor (2300-CV-20) discharge/transfer to Conveyor (2300-CV-22)
S	2.011	Conveyor (2300-CV-21) discharge/transfer to Conveyor (2300-CV-22)
S	2.012	Conveyor (2300-CV-22) discharge/transfer to Mill Feed Conveyor (2300-CV-14)
S	2.013	Lime Silo - Unloading (2600-BN-02) discharge/transfer to Conveyor (2300-CV-14)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.001 - S2.013** each, shall be ducted to a control system consisting of a **Wet Scrubber (2300-DC-02)** with 100% capture and a maximum volume flow rate of **14,280** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.001 - S2.013,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (2300-DC-02)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **2.67** pounds per hour combined, nor more than **11.69** tons per year combined, based on a 12-month rolling period. This limit is less than the **746.55** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by C.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **2.67** pounds per hour combined, nor more than **11.69** tons per year combined, based on a 12-month rolling period. This limit is less than the **663.60** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by C.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Wet Scrubber (2300-DC-02)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Wet Scrubber (2300-DC-02)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

C. Emission Units #'s S2.001 – S2.013 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits (Continued)
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 03** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (2300-DC-02)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.001 - S2.013** each including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.001 - S2.013** each, will not exceed **1500.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.001 - S2.013 each, may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **S2.001 - S2.013** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.001 - S2.013** each, on a daily basis.
      iii. Conduct and record a weekly visible emission survey on the exhaust stack of **Wet Scrubber (2300-DC-02)**; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.001 - S2.013** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records required in VI.4.c. and d. of this section.

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Section VI. Specific Operating Conditions (continued)

C. Emission Units #'s S2.001 – S2.013 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **Wet Scrubber (2300-DC-02)** consisting of three valid runs at the maximum throughput rate subject to C.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
   ii. The Method 201A and Method 202 tests required in C.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in C.2. of this section.
   iii. Performance tests required under C.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in C.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Wet Scrubber (2300-DC-02)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

C. Emission Units #'s S2.001 – S2.013 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   c. New Source Performance Standards (NSPS) - Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon the issuance date of this permit shall:
      i. During the initial performance test of **Wet Scrubber (2300-DC-02)**, and at least weekly thereafter, the permittee shall record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate (40 CFR Part 60.385 (b)).
      ii. After the initial performance test of **Wet Scrubber (2300-DC-02)**, the permittee shall submit semiannual reports to the director of occurrences when the measurement of the scrubber pressure loss (or gain) and liquid flow rate differ by more than +/- 30 percent from the average obtained during the most recent performance test. The reports shall be postmarked within 30 days following the end of the second and fourth quarters (40 CFR Part 60.385(c) and (d)).
      iii. To comply with C.4.a., the permittee shall use the monitoring devices in C.5.a. and C.5.b. of this section to determine the pressure loss of the gas stream through the scrubber and scrubbing liquid flow rate at any time during each particulate matter run, and the average of the three determinations shall be computed (40 CFR Part 60.386(c)).
      iv. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
   d. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b)) (Continued)
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. Monitoring of Operations (40 CFR Part 60.384)
   a. The permittee shall install, calibrate, maintain, and operate a monitoring device for the continuous measurement of the change in pressure of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within +/- 250 pascals (+/- 1 inch water) gage pressure and must be calibrated on an annual basis in accordance with manufacturer's instructions.
   b. The permittee shall install, calibrate, maintain, and operate a monitoring device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within +/- 5 percent of the design scrubbing liquid flow rate and must be calibrated on at least an annual basis in accordance with manufacturer's instructions.

6. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

C1. Emission Unit # PF1.045 location North 4512.62 km, East 568.12 km, UTM (Zone 11)

C1. System 03a – Reagent Mix Tanks associated with Flotation Circuit at Mill 5		
PF	1.045	Reagent Mix Tank 1 (Loading)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **PF1.045** shall be controlled by operating **PF1.045** by best operational practices. Reagent Mix Tanks 1, 2 & 3 (**PF1.045, PF1.046 & PF1.047**) vent to a common exit stack with a volume airflow rate of 300 actual cubic feet per minute.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.045,** the permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **16.12** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by C1.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **16.12** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by C1.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.045** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.045** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **PF1.045** will not exceed **7.72** tons of **dry reagent** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.045** will not exceed **2,738** tons of dry reagent per 12-month rolling period.
   c. Hours
      PF1.045 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

C1. Emission Unit # PF1.045 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of dry reagent, in tons, for **PF1.045**, each day loading occurs.
      ii. Monitor and record the hours of operation for **PF1.045**, each day loading occurs.
      iii. Monitor and record the throughput rate of dry reagent for **PF1.045** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct and record a quarterly visible emission survey of **PF1.045**; record the time of the survey and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **PF1.045**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.045** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading of dry reagent, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading of dry reagent, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the quarterly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

C2. Emission Unit # PF1.046 location North 4512.62 km, East 568.12 km, UTM (Zone 11)

C2. System 03b – Reagent Mix Tanks associated with Flotation Circuit at Mill 5		
PF	1.046	Reagent Mix Tank 2 (Loading)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **PF1.046** shall be controlled by operating **PF1.046** by best operational practices Reagent Mix Tanks 1, 2 & 3 (**PF1.045, PF1.046 & PF1.047**) vent to a common exit stack with a volume airflow rate of 300 actual cubic feet per minute.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.046,** the permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **10.15** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by C2.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **10.15** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by C2.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.046** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.046** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **PF1.046** will not exceed **3.87** tons of **dry reagent** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.046** will not exceed **2,738** tons of dry reagent per 12-month rolling period.
   c. Hours
      PF1.046 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

C2. Emission Unit # PF1.046 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of dry reagent, in tons, for **PF1.046**, each day loading occurs.
      ii. Monitor and record the hours of operation for **PF1.046**, each day loading occurs.
      iii. Monitor and record the throughput rate of dry reagent for **PF1.046** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct and record a quarterly visible emission survey of **PF1.046**; record the time of the survey and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **PF1.046**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.046** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading of dry reagent, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading of dry reagent, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the quarterly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

C3. Emission Unit # PF1.047 location North 4512.62 km, East 568.12 km, UTM (Zone 11)

C3. System 03c – Reagent Mix Tanks associated with Flotation Circuit at Mill 5		
PF	1.047	Reagent Mix Tank 3 (Loading)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **PF1.047** shall be controlled by operating **PF1.047** by best operational practices. Reagent Mix Tanks 1, 2 & 3 (**PF1.045, PF1.046 & PF1.047**) vent to a common exit stack with a volume airflow rate of 300 actual cubic feet per minute.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.047,** the permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **16.12** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by C3.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **16.12** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by C3.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.047** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.047** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **PF1.047** will not exceed **7.72** tons of **dry reagent** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.047** will not exceed **2,738** tons of dry reagent per 12-month rolling period.
   c. Hours
      PF1.047 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

C3. Emission Unit # PF1.047 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of dry reagent, in tons, for **PF1.047**, each day loading occurs.
      ii. Monitor and record the hours of operation for **PF1.047**, each day loading occurs.
      iii. Monitor and record the throughput rate of dry reagent for **PF1.047** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct and record a quarterly visible emission survey of **PF1.047**; record the time of the survey and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **PF1.047**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.047** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading of dry reagent, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading of dry reagent, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the quarterly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

D. Emission Unit # 2.014 location North 4514.68 km, East 565.82 km, UTM (Zone 11)

D. System 04 – Chukar Underground Lime/Cement/Soda Ash Silo - Loading		
S	2.014	Chukar Underground Lime/Cement/Soda Ash Silo - Loading (500-DC-014)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.014** shall be ducted to a control system consisting of a **Baghouse (500-DC-014)** with 100% capture and a maximum volume flow rate of **1,300** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.014,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (500-DC-014)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.32** pound per hour, nor more than **0.24** ton per year, based on a 12-month rolling period. This limit is less than the **53.13** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by D.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.32** pound per hour, nor more than **0.24** ton per year, based on a 12-month rolling period. This limit is less than the **53.13** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by D.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (500-DC-014)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (500-DC-014)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.014** will not exceed **60.0** tons of **lime/cement/soda ash** per any one-hour period.
   b. Hours
      S2.014 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

D. Emission Unit # S2.014 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of lime/cement/soda ash, in tons for **S2.014** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.014** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (500-DC-014)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (500-DC-014)**.
      v. Conduct and record a weekly visible emission survey of **Baghouse (500-DC-014)** during silo loading and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **Baghouse (500-DC-014)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.014** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading of lime/cement/soda ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading of lime/cement/soda ash, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (500-DC-014)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

D1. Emission Unit # 2.220 location North 4514.68 km, East 565.82 km, UTM (Zone 11)

D1. System 04A – Chukar Underground Lime/Cement/Soda Ash Silo - Loading		
S	2.220	Chukar Underground Lime/Cement/Soda Ash Silo - Loading (500-DC-044)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.220** shall be ducted to a control system consisting of a **Baghouse (500-DC-044)** with 100% capture and a maximum volume flow rate of **1,300** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.220,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (500-DC-044)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.020** pound per hour, nor more than **0.019** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by D1.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.059** pound per hour, nor more than **0.055** ton per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from the exhaust stack of **Baghouse (500-DC-044)** will not equal or exceed **20%** in accordance with NAC 445B.22017.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.220** will not exceed **60.0** tons of **lime/cement/fly ash** per any one-hour period.
   b. Hours
      S2.220 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

D1. Emission Unit # S2.220 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of lime/cement/fly ash, in tons for **S2.220** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.220** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (500-DC-044)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (500-DC-044)**.
      v. Conduct and record a weekly visible emission survey of **Baghouse (500-DC-044)** during silo loading and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **Baghouse (500-DC-044)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.220** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading of lime/cement/fly ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading of lime/cement/fly ash, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (500-DC-044)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

E. Emission Units #'s PF1.009 – PF1.013 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

E. System 05 - South Area Primary Crusher Circuit		
PF	1.009	(ROM) Ore Dump discharge/transfer to Primary Crusher Hopper (120-BN-01)
PF	1.010	Primary Crusher Hopper (120-BN-01) discharge/transfer to Primary Gyratory Crusher (250-CR-01)
PF	1.011	Primary Gyratory Crusher (250-CR-01)
PF	1.012	Primary Gyratory Crusher (250-CR-01) discharge/transfer to Conveyor Feeder (220-CV-01)
PF	1.013	Conveyor Feeder (220-CV-01) discharge/transfer to Conveyor (230- CV-02)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.009** shall be controlled by operating Fogging or Atomizor Water Sprays with Chemical Surfactant located at **PF1.009.**
   Emissions from **PF1.010 - PF1.012** each, shall be controlled by a Building Enclosure located at **PF1.010 - PF1.012** each.
   Emissions from **PF1.013** shall be controlled by a Three-sided Enclosure located at **PF1.013.**

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.009 - PF1.013,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.009 - PF1.013,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **19.25** pounds per hour combined, nor more than **60.0** tons per year combined, based on a 12-month rolling period. This limit is less than the **289.15** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by E.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **19.25** pounds per hour combined, nor more than **60.0** tons per year combined, based on a 12-month rolling period. This limit is less than the **289.15** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by E.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.009 - PF1.013** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.009 - PF1.013** each, will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 05** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.009 - PF1.013** each, will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.009 - PF1.013** each including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

E. Emission Units #'s PF1.009 - PF1.013 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.009 - PF1.013** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.009 - PF1.013** each, will not exceed **24,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.009 - PF1.013 each, may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.009 - PF1.013** each, on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.009 - PF1.013** each, on a daily basis.
      iii. Monitor and record the throughput rate, in tons per month, of as fed ore for **PF1.009 - PF1.013** each, on a monthly basis.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **PF1.009 - PF1.013** each, on a monthly basis for each 12-month rolling period. The annual emissions will be calculated by multiplying the monthly throughput values required in E.4.a.iv of this section by the appropriate emission factor established below, and converted to tons of emissions per year.

         Emission Factors for **PF1.009 - PF1.013** each, while operating under this operating scenario:
         PM_{10} = 0.001 lb-PM_{10}/ton-throughput
         PM = 0.001 lb-PM/ton-throughput

      v. The annual emissions calculated and recorded in F.4.a.v. of this section will be added to the emissions determined under E.4.a.v. of this section, such that the total annual emissions from each operating scenario are recorded.
      vi. Conduct a daily observation of the water sprays and chemical surfactant addition system and verify that they are operating normally; record the time of the observation and indicate if the water sprays and chemical surfactant addition system are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      vii. Monitor and record the chemical surfactant usage on a monthly basis.
      viii. Conduct and record a weekly visible emission inspection on **PF1.009 – PF1.013** each; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

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Section VI. Specific Operating Conditions (continued)

E. Emission Units #'s PF1.009 - PF1.013 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (continued)
   a. Monitoring, Record keeping and Compliance (continued)
      ix. The required monitoring established in (i.) through (viii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.009 – PF1.013** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water spray and chemical addition system, and any corrective actions taken in order to maintain implementation and proper use of the water spray and chemical addition system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (h) The calculations and results of the cumulative annual PM and PM_{10} emissions.
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

F. Emission Units #'s PF1.009 – S2.217 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

F. System 06 – Alternative Operating Scenario - South Area Primary Crusher Circuit		
PF	1.009	(ROM) Ore Dump discharge/transfer to Primary Crusher Hopper (120-BN-01)
PF	1.010	Primary Crusher Hopper (120-BN-01) discharge/transfer to Primary Gyratory Crusher (250-CR-01)
PF	1.011	Primary Gyratory Crusher (250-CR-01)
PF	1.012	Primary Gyratory Crusher (250-CR-01) discharge/transfer to Conveyor Feeder (220-CV-01)
S	2.217	Conveyor Feeder (220-CV-01) discharge/transfer to Conveyor (230- CV-02)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.009** shall be controlled by operating Fogging or Atomizor Water Sprays with Chemical Surfactant located at **PF1.009.**
   Emissions from **PF1.010 - PF1.012** each, shall be controlled by a Building Enclosure located at **PF1.010 - PF1.012** each.
   Emissions from **S2.217** shall be ducted to a control system consisting of a **Baghouse (200-DC-001)** with 100% capture and a maximum volume flow rate of **4,900** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.009 - S2.217**, the permittee will not discharge or cause the discharge into the atmosphere from **PF1.009 - S2.217**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **19.25** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **Section VI.E.2.a. i**. This limit is less than the **289.15** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by F.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **19.25** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **Section VI.E.2.a. ii**. This limit is less than the **289.15** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by F.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.009 – PF1.012** each, and from the exhaust stack of **Baghouse (200-DC-001)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.009 – PF1.012** each, and from the exhaust stack of **Baghouse (200-DC-001)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

F. Emission Units #'s PF1.009 – S2.217 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (continued)
   b. New Source Performance Standards - Subpart LL - Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 06** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1))
      ii. Process fugitive emissions from **PF1.009 - PF1.012** each, will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      iii. Emissions from the exhaust stack of **Baghouse (200-DC-001)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iv. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      v. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.009 - S2.217** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.009 - S2.217** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.009 - PF1.012** each, will not exceed **24,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.009 - S2.217 each, may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

F. Emission Units #'s PF1.009 – S2.217 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
   The Permittee, upon issuance of this operating permit and while operating under this alternative operating scenario, will:
   i. Monitor and record the throughput rate of as fed ore, in tons for **PF1.009 - S2.217** each, on a daily basis.
   ii. Monitor and record the throughput rate of as fed ore, in tons for **PF1.009 - PF1.012** each, on a cumulative monthly basis, for each 12-month rolling period.
   iii. Monitor and record the hours of operation for **PF1.009 - S2.217** each, on a daily basis.
   iv. Monitor and record the cumulative hours of operation for **PF1.009 - S2.217** each, on a monthly basis.
   v. Calculate and record the cumulative annual PM and PM_{10} emissions for **PF1.009 - S2.217** each, on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in E.4.a.v. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in F.4.a.v. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

   Hourly emissions rate for **PF1.009 - S2.217** combined, while operating under this alternative operating scenario:
   PM_{10} = 19.25 lbs-PM_{10}/hr
   PM = 19.25 lbs-PM/hr

   vi. Conduct a daily observation of the water sprays and chemical surfactant addition system and verify that they are operating normally; record the time of the observation and indicate if the water sprays and chemical surfactant addition systems are operating normally. Monitor and record that all spray heads are operating. Record any sprays that were repaired, replaced or modified.
   vii. Monitor and record the chemical surfactant usage on a monthly basis.
   viii. Conduct and record an annual check of all bags contained in the **Baghouse (200-DC-001)**.
   ix. Conduct and record a weekly visible emission inspection for **PF1.009 – S2.217** each; record the time of the survey and indicate whether any visible emissions were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
   x. Conduct and record a weekly visible emission inspection of the exhaust stack of **Baghouse (200-DC-001)**; record the time of the survey and indicate whether any visible emissions were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
   xi. Conduct and record a weekly reading of differential pressure on **Baghouse (200-DC-001)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.217** will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.

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Section VI. Specific Operating Conditions (continued)

F. Emission Units #'s PF1.009 – S2.217 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance (continued)
      xii. The required monitoring established in (i.) through (xi.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.009 - S2.217** each, are operating:
         (a) Date and time of each change from normal operation to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (b) The calendar date of any required monitoring.
         (c) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (d) The total daily hours of operation for the corresponding date.
         (e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.
         (f) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (g) Results and verification of the daily observations and the implementation and proper use of the water spray and chemical surfactant addition system, and any corrective actions taken in order to maintain implementation and proper use of the water spray and chemical surfaction addition system used for control of emissions.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (i) The calculations and results of the cumulative annual PM and PM_{10} emissions.
         (j) The results of the weekly differential pressure readings for **Baghouse (200-DC-001)**.
         (k) Records and results of the annual check of bags contained in **Baghouse (200-DC-001)**.

Section VI. Specific Operating Conditions (continued)

F. Emission Units #'s PF1.009 – S2.217 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (200-DC-001)** consisting of three valid runs at the maximum throughput rate subject to F.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in F.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in F.2. of this section.
      iii. Performance tests required under F.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in F.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (200-DC-001)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

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Section VI. Specific Operating Conditions (continued)

F. Emission Units #'s PF1.009 – S2.217 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
Shielded Requirements

No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

G. Emission Unit # PF1.014 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

G. System 07 - South Area Leach Transfer of Primary Crushed Ore		
PF	1.014	Conveyor (230-CV-02) discharge/transfer to Conveyor (230-CV-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.014** shall be controlled by operating Fogging or Atomizor Water Sprays with a 4-Sided Enclosure located at **PF1.014.**

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.014,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.014,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.28** pound per hour, nor more than **0.88** ton per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by G.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.80** pound per hour, nor more than **2.51** tons per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by G.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.014** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.014** will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 10** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.014** will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.014** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

G. Emission Unit # PF1.014 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.014** will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.014** will not exceed **24,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.014 may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.014** on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.014** on a daily basis.
      iii. Monitor and record the throughput rate, in tons per month, of as fed ore for **PF1.014** on a monthly basis.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **PF1.014** on a monthly basis for each 12-month rolling period. The annual emissions will be calculated by multiplying the monthly throughput values required in G.4.a.iv of this section by the appropriate emission factor established below, and converted to tons of emissions per year.

         Emission Factors for **PF1.014** while operating under this operating scenario:
         PM_{10} = 0.00007 lb-PM_{10}/ton-throughput
         PM = 0.00021 lb-PM/ton-throughput

      v. The annual emissions calculated and recorded in H.4.a.v. of this section will be added to the emissions determined under G.4.a.v. of this section, such that the total annual emissions from each operating scenario are recorded.
      vi. Conduct a daily observation of the water sprays and verify that they are operating normally; record the time of the observation and indicate if the water sprays are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      vii. Conduct and record a weekly visible emission inspection on **PF1.014**; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

G. Emission Unit # PF1.014 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (continued)
   a. Monitoring, Record keeping and Compliance (continued)
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.014** is operating:
      (a) The calendar date of any required monitoring.
      (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
      (c) The total daily hours of operation for the corresponding date.
      (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
      (f) Results and verification of the daily observations and the implementation and proper use of the water spray and enclosure system, and any corrective actions taken in order to maintain implementation and proper use of the water spray and enclosure system used for control of emissions.
      (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
      (h) The calculations and results of the cumulative annual PM and PM_{10} emissions.
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

H. Emission Unit # S2.218 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

H. System 08 – Alternative Operating Scenario - South Area Leach Transfer of Primary Crushed Ore		
S	2.218	Conveyor (230-CV-02) discharge/transfer to Conveyor (230-CV-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **S2.218** shall be ducted to a control system consisting of a **Baghouse (200-DC-005)** with 100% capture and a maximum volume flow rate of **4,900** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.218,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-005)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.28** pound per hour, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **Section VI.G.2.a. i**. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by H.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.80** pound per hour, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **Section VI.G.2.a. ii**. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by H.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (200-DC-005)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (200-DC-005)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 08** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-005)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (200-DC-005)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.218** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

H. Emission Unit # S2.218 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.218** will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.218 may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit and while operating under this alternative operating scenario, will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.218** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.218** on a daily basis.
      iii. Monitor and record the cumulative hours of operation for **S2.218** on a monthly basis.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.218** on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in G.4.a.v. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in H.4.a.v. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

      Hourly emissions rate for **S2.218** while operating under this alternative operating scenario:
      PM_{10} = 0.28 lbs-PM_{10}/hr
      PM = 0.80 lbs-PM/hr

      v. Conduct and record an annual check of all bags contained in the **Baghouse (200-DC-005)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (200-DC-005)**; record the time of the survey and indicate whether any visible emissions were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (200-DC-005)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.218** will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.

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Section VI. Specific Operating Conditions (continued)

H. Emission Unit # S2.218 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance (continued)
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.218** is operating:
      (a) Date and time of each change from normal operation to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
      (b) The calendar date of any required monitoring.
      (c) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
      (d) The total daily hours of operation for the corresponding date.
      (e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.
      (f) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
      (g) The calculations and results of the cumulative annual PM and PM_{10} emissions.
      (h) The results of the weekly differential pressure readings for **Baghouse (200-DC-005)**.
      (i) Records and results of the annual check of bags contained in **Baghouse (200-DC-005)**.

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Section VI. Specific Operating Conditions (continued)

H. Emission Unit # S2.218 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (200-DC-005)** consisting of three valid runs at the maximum throughput rate subject to H.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in H.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in H.2. of this section.
      iii. Performance tests required under H.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in H.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (200-DC-005)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

H. Emission Unit # S2.218 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

I. Emission Unit # PF1.015 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

I. System 09 - South Area Leach Transfer of Primary Crushed Ore System (Shuttle Conveyor)		
PF	1.015	Conveyor (230-CV-01) discharge/transfer to Shuttle Conveyor (Renamed 330-CV-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.015** shall be controlled by operating Fogging or Atomizor Water Sprays with a 3-Sided Enclosure located at **PF1.015.**

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.015,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.015,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.28** pound per hour, nor more than **0.88** ton per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by I.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.80** pound per hour, nor more than **2.51** tons per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by I.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.015** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.015** will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 09** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.015** will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.015** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

I. Emission Unit # PF1.015 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.015** will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.015** will not exceed **24,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.015 may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.015** on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.015** on a daily basis.
      iii. Monitor and record the throughput rate, in tons per month, of as fed ore for **PF1.015** on a monthly basis.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **PF1.015** on a monthly basis for each 12-month rolling period. The annual emissions will be calculated by multiplying the monthly throughput values required in I.4.a.iv of this section by the appropriate emission factor established below, and converted to tons of emissions per year.

         Emission Factors for **PF1.015** while operating under this operating scenario:
         PM_{10} = 0.00007 lbs-PM_{10}/ton-throughput
         PM = 0.00021 lbs-PM/ton-throughput

      v. The annual emissions calculated and recorded in J.4.a.v. of this section will be added to the emissions determined under I.4.a.v. of this section, such that the total annual emissions from each operating scenario are recorded.
      vi. Conduct a daily observation of the water sprays and enclosure system and verify that they are operating normally; record the time of the observation and indicate if the water sprays and enclosure system are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      vii. Conduct and record a weekly visible emission inspection on **PF1.015**; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

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Section VI. Specific Operating Conditions (continued)

I. Emission Unit # PF1.015 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (continued)
   a. Monitoring, Record keeping and Compliance (continued)
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.015** is operating:
      (a) The calendar date of any required monitoring.
      (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
      (c) The total daily hours of operation for the corresponding date.
      (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
      (f) Results and verification of the daily observations and the implementation and proper use of the water spray and enclosure system, and any corrective actions taken in order to maintain implementation and proper use of the water spray and enclosure system used for control of emissions.
      (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
      (h) The calculations and results of the cumulative annual PM and PM_{10} emissions.
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

J. Emission Unit # S2.219 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

J. System 10 – Alternative Operating Scenario - South Area Leach Transfer of Primary Crushed Ore System		
S	2.219	Conveyor (230-CV-01) discharge/transfer to Shuttle Conveyor (Renamed 330-CV-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **S2.219** shall be ducted to a control system consisting of **Baghouse (200-DC-007)** with 100% capture and a maximum volume flow rate of **4,900** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.219,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-007)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.28** pound per hour, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **Section VI.I.2.a. i**. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by J.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.80** pound per hour, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **Section VI.I.2.a. ii**. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by J.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (200-DC-007)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (200-DC-007)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 10** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-007)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (200-DC-007)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.219** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

J. Emission Unit # S2.219 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.219** will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.219 may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit and while operating under this alternative operating scenario, will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.219** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.219** on a daily basis.
      iii. Monitor and record the cumulative hours of operation for **S2.219** on a monthly basis.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.219** on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in I.4.a.v. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in J.4.a.iii. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

      Hourly emissions rate for **S2.219** while operating under this alternative operating scenario:
      PM_{10} = 0.28 lbs-PM_{10}/hr
      PM = 0.80 lbs-PM/hr

      v. Conduct and record an annual check of all bags contained in the **Baghouse (200-DC-007)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (200-DC-007)**; record the time of the survey and indicate whether any visible emissions were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (200-DC-007)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.219** will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.

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Section VI. Specific Operating Conditions (continued)

J. Emission Unit # S2.219 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*

a. Monitoring, Record keeping and Compliance (continued)

viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.219** is operating:

(a) Date and time of each change from normal operation to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.

(b) The calendar date of any required monitoring.

(c) The total daily throughput rate of as fed ore, in tons, for the corresponding date.

(d) The total daily hours of operation for the corresponding date.

(e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.

(f) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

(g) The calculations and results of the cumulative annual PM and PM_{10} emissions.

(h) The results of the weekly differential pressure readings for **Baghouse (200-DC-007)**.

(i) Records and results of the annual check of bags contained in **Baghouse (200-DC-007)**.

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Section VI. Specific Operating Conditions (continued)

J. Emission Unit # S2.219 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (200-DC-007)** consisting of three valid runs at the maximum throughput rate subject to J.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in J.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in J.2. of this section.
      iii. Performance tests required under J.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in J.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (200-DC-007)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements
   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

K. Emission Unit # S2.015 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

K. System 11 - South Area Leach Cement/Lime Silo - Loading		
S	2.015	Cement/Lime Silo-Loading (630-BN-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **S2.015** shall be ducted to a control system consisting of a **Baghouse (630-DC-001)** with 100% capture and a maximum volume flow rate of **1,350** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.015,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (630-DC-001)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.016** pound per hour, nor more than **0.07** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by K.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.016** pound per hour, nor more than **0.07** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by K.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (630-DC-001)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (630-DC-001)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.015** will not exceed **60.0** tons of **cement/lime** per any one-hour period.
   b. Hours
      S2.015 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

K. Emission Unit # S2.015 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of cement/lime, in tons for **S2.015** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.015** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (630-DC-001)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (630-DC-001)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (630-DC-001)** during silo loading and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **Baghouse (630-DC-001)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.015** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of cement/lime, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of cement/lime, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (630-DC-001)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

K1. Emission Unit # S2.221 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

K1. System 11A - South Area Leach Cement/Lime Silo - Loading		
S	2.221	Cement/Lime Silo-Loading (630-BN-04)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **S2.221** shall be ducted to a control system consisting of a **Baghouse (630-DC-045)** with 100% capture and a maximum volume flow rate of **1,350** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.221,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (630-DC-045)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.020** pound per hour, nor more than **0.019** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by K1.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.059** pound per hour, nor more than **0.055** ton per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from the exhaust stack of **Baghouse (500-DC-045)** will not equal or exceed **20%** in accordance with NAC 445B.22017.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.221** will not exceed **60.0** tons of **cement/lime** per any one-hour period.
   b. Hours
      S2.221 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

K1. Emission Unit # S2.221 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
   b. Monitor and record the loading rate of cement/lime, in tons for **S2.221** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.221** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (630-DC-045)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (630-DC-045)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (630-DC-045)** during silo loading and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **Baghouse (630-DC-045)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.221** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of cement/lime, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of cement/lime, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (630-DC-045)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

L. Emission Unit # PF1.016 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

L. System 12 - South Area Leach Cement/Lime Silo - Unloading		
PF	1.016	Cement/Lime Silo - Unloading (630-BN-01) discharge/transfer to Conveyor (230-CV-02)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.016** shall be controlled by operating Water Sprays with a Full Enclosure located at **PF1.016.**

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.016,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.016,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.30** pound per hour, nor more than **1.10** tons per year, based on a 12-month rolling period. This limit is less than the **25.16** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by L.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.30** pound per hour, nor more than **1.10** tons per year, based on a 12-month rolling period. This limit is less than the **25.16** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by L.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.016** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.016** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable discharge rate for **PF1.016** will not exceed **15.0** tons of **cement/lime** per any one-hour period.
   b. The maximum annual discharge rate for **PF1.016** will not exceed **110,000.0** tons of **cement/lime** per year, based on a 12-month rolling period.
   c. Hours
      PF1.016 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

L. Emission Unit # PF1.016 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the discharge rate of cement/lime for **PF1.016** each day silo discharging occurs.
      ii. Monitor and record the hours of operation for **PF1.016** each day silo discharging occurs.
      iii. Monitor and record the discharge rate of cement/lime for **PF1.016** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays and enclosure system and verify that they are operating normally; record the time of the observation and indicate if the water sprays and enclosure system are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.016**; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.016** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily discharge rate of cement/lime, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly discharge rate of cement/lime, in tons per hour. The average hourly discharge rate will be determined from the daily discharge rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly discharge rate of cement/lime, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water sprays and enclosure system, and any corrective actions taken in order to maintain implementation and proper use of the water spray and enclosure system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

L1. Emission Unit # PF1.048 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

L1. System 12A - South Area Leach Cement/Lime Silo - Unloading		
PF	1.048	Cement/Lime Silo - Unloading (630-BN-04) discharge/transfer to Conveyor (230-CV-02)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.048** shall be controlled by operating Water Sprays with a Full Enclosure located at **PF1.048.**

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.048,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.048,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.24** pound per hour, nor more than **0.88** tons per year, based on a 12-month rolling period. This limit is less than the **25.16** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by L1.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.85** pound per hour, nor more than **3.12** tons per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from **PF1.048** will not equal or exceed **20%** in accordance with NAC 445B.22017.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable discharge rate for **PF1.048** will not exceed **15.0** tons of **cement/lime** per any one-hour period.
   b. The maximum annual discharge rate for **PF1.048** will not exceed **110,000.0** tons of **cement/lime** per year, based on a 12-month rolling period.
   c. Hours
      PF1.048 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

L1. Emission Unit # PF1.048 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the discharge rate of cement/lime for **PF1.048** each day silo discharging occurs.
      ii. Monitor and record the hours of operation for **PF1.048** each day silo discharging occurs.
      iii. Monitor and record the discharge rate of cement/lime for **PF1.048** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays and enclosure system and verify that they are operating normally; record the time of the observation and indicate if the water sprays and enclosure system are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.048**; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.048** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily discharge rate of cement/lime, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly discharge rate of cement/lime, in tons per hour. The average hourly discharge rate will be determined from the daily discharge rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly discharge rate of cement/lime, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water sprays and enclosure system, and any corrective actions taken in order to maintain implementation and proper use of the water spray and enclosure system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

M. Emission Unit # PF1.017 or PF1.017.1 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

M. System 13 - South Area Leach Transfer of Primary Crushed Ore to Secondary Stockpile, OR Truck Load-Out Stockpile		
PF	1.017	Shuttle Conveyor (330-CV-01) discharge/transfer to Secondary Crushing Stockpile, **OR**
PF	1.017.1	Shuttle Conveyor (330-CV-01) discharge/transfer to Truck Load-Out Stockpile

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.017 and PF1.017.1** each, shall be controlled by operating Water Sprays located at **PF1.017 and PF1.017.1** each. Both **PF1.017 and PF1.017.1** each, shall operate Water Sprays; either **PF1.017 or PF1.017.1** can be operated.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.017 or PF1.017.1** combined, the permittee will not discharge or cause the discharge into the atmosphere from **PF1.017 or PF1.017.1** combined, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.46** pounds per hour, nor more than **4.55** tons per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by M.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **4.17** pounds per hour, nor more than **13.01** tons per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by M.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.017 or PF1.017.1** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.017 or PF1.017.1** each, will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.017 or PF1.017.1** combined, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.017 or PF1.017.1** combined, will not exceed **24,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.017 or PF1.017.1 combined, may operate a total of **8760** hours per year.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

M. Emission Unit # PF1.017 or PF1.017.1 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.017 or PF1.017.1** combined, on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.017 or PF1.017.1** combined, on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.017 or PF1.017.1** combined, on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays and verify that they are operating normally; record the time of the observation and indicate if the water sprays are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.017 or PF1.017.1** each; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.017 or PF1.017.1** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water spray system, and any corrective actions taken in order to maintain implementation and proper use of the water spray system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

N. Emission Unit # PF1.023 or PF1.023.1 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

N. System 14 - South Area Leach Transfer of Secondary Crushed Ore to Tertiary Stockpile OR Truck Load-Out Stockpile		
PF	1.023	Shuttle Conveyor (530-CV-03) discharge/transfer to Tertiary Crushing Stockpile, **OR**
PF	1.023.1	Shuttle Conveyor (530-CV-03) discharge/transfer to Truck Load-Out Stockpile

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.023 and PF1.023.1** each, shall be controlled by operating Water Sprays located at **PF1.023 and PF1.023.1**. Both **PF1.023 and PF1.023.1** each, shall operate Water Sprays; either **PF1.023 or PF1.023.1** can be operated.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.023 or PF1.023.1** combined, the permittee will not discharge or cause the discharge into the atmosphere from **PF1.023 or PF1.023.1** combined, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **2.58** pounds per hour, nor more than **5.02** tons per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by N.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **7.36** pounds per hour, nor more than **14.35** tons per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by N.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.023 or PF1.023.1** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.023 or PF1.023.1** each, will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.023 or PF1.023.1** combined, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.023 or PF1.023.1** combined, will not exceed **15,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.023 or PF1.023.1 combined, will not operate in excess of **8760** hours per year.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

N. Emission Unit # PF1.023 or PF1.023.1 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.023 or PF1.023.1** combined, on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.023 or PF1.023.1** combined, on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.023 or PF1.023.1** combined, on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays and verify that they are operating normally; record the time of the observation and indicate if the water sprays are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.023 or PF1.023.1** each; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.023 or PF1.023.1** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water spray system, and any corrective actions taken in order to maintain implementation and proper use of the water spray system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

O. Emission Units #'s S2.171 – S2.172 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

O. System 15 - South Area Leach Tertiary Crushing Reclaim Transfer System		
S	2.171	Conveyor (330-AF-01) discharge/transfer to Transfer Conveyor (300-CV-103)
S	2.172	Dribble Conveyor (330-CV-005) discharge/transfer to Transfer Conveyor (300-CV-103)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.171 - S2.172** each, shall be ducted to a control system consisting of a **Baghouse (330-DC-005)** with 100% capture and a maximum volume flow rate of **1,505** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.171 - S2.172,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (330-DC-005)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.06** pound per hour combined, nor more than **0.25** ton per year combined, based on a 12-month rolling period. This limit is less than the **192.76** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by O.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.06** pound per hour combined, nor more than **0.25** ton per year combined, based on a 12-month rolling period. This limit is less than the **192.76** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by O.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (330-DC-005)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (330-DC-005)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL - Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 15** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (330-DC-005)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (330-DC-005)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.171 - S2.172** each including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

O. Emission Units #'s S2.171 – S2.172 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.171 - S2.172** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.171 - S2.172 each, will not operate in excess of **7884** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.171 - S2.172** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.171 - S2.172** each, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.171 - S2.172** each, on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.171 - S2.172** each, on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Baghouse (330-DC-005)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (330-DC-005)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (330-DC-005)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.171 - S2.172** each will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.171 - S2.172** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily, monthly and annual hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (330-DC-005)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (330-DC-005)**.
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

P. Emission Units #'s S2.173 – S2.174 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

P. System 16 - South Area Leach Tertiary Crushing Reclaim Transfer System		
S	2.173	Conveyor (330-AF-02) discharge/transfer to Transfer Conveyor (300-CV-104)
S	2.174	Dribble Conveyor (330-CV-006) discharge/transfer to Transfer Conveyor (300-CV-104)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.173 – S2.174** each, shall be ducted to a control system consisting of a **Baghouse (330-DC-006)** with 100% capture and a maximum volume flow rate of **1,505** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.173 – S2.174,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (330-DC-006)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.06** pound per hour combined, nor more than **0.25** ton per year combined, based on a 12-month rolling period. This limit is less than the **192.76** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by P.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.06** pound per hour combined, nor more than **0.25** ton per year combined, based on a 12-month rolling period. This limit is less than the **192.76** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by P.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from from the exhaust stack of **Baghouse (330-DC-006)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (330-DC-006)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 16** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (330-DC-006)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (330-DC-006)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.173 – S2.174** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

P. Emission Units #'s S2.173 – S2.174 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.173 – S2.174** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.173 – S2.174 each, will not operate in excess of **7884** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.173 – S2.174** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.173 – S2.174** each, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.173 – S2.174** each, on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.173 – S2.174** each, on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Baghouse (330-DC-006)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (330-DC-006)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (330-DC-006)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.173 – S2.174** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.173 – S2.174** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily, monthly and annual hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (330-DC-006)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (330-DC-006)**.
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

Q. Emission Units #'s S2.175 – S2.176 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

Q. System 17 - South Area Leach Secondary Crushing Reclaim Transfer System		
S	2.175	Conveyor (330-AF-05) discharge/transfer to Transfer Conveyor (200-CV-001)
S	2.176	Dribble Conveyor (330-CV-08) discharge/transfer to Transfer Conveyor (200-CV-001)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.175 – S2.176** each, shall be ducted to a control system consisting of a **Baghouse (200-DC-002)** with 100% capture and a maximum volume flow rate of **2,614** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.175 – S2.176,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-002)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.11** pound per hour combined, nor more than **0.44** ton per year combined, based on a 12-month rolling period. This limit is less than the **192.76** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by Q.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.11** pound per hour combined, nor more than **0.44** ton per year combined, based on a 12-month rolling period. This limit is less than the **192.76** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by Q.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (200-DC-002)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (200-DC-002)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 17** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-002)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (200-DC-002)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.175 – S2.176** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

Q. Emission Units #'s S2.175 – S2.176 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.175 – S2.176** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.175 – S2.176 each, will not operate in excess of **7884** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.175 – S2.176** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.175 – S2.176** each, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.175 – S2.176** each, on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.175 – S2.176** each, on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Baghouse (200-DC-002)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (200-DC-002)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (200-DC-002)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.175 – S2.176** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.175 – S2.176** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily, monthly and annual hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (200-DC-002)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (200-DC-002)**.

Section VI. Specific Operating Conditions (continued)

Q. Emission Units #'s S2.175 – S2.176 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (200-DC-002)** consisting of three valid runs at the maximum throughput rate subject to Q.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in Q.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Q.2. of this section.
      iii. Performance tests required under Q.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in Q.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (200-DC-002)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements
   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

R. Emission Units #'s S2.177 – S2.185 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

R. System 18 - Refractory Leach Project Secondary Screening/Crushing Circuit		
S	2.177	Overhead Conveyor (200-CV-001) discharge/transfer to Secondary Screen (200-SC-001)
S	2.178	Secondary Screen (200-SC-001)
S	2.179	Secondary Screen (200-SC-001) undersize discharge/transfer to Screen Undersize Conveyor (200-CV-003)
S	2.180	Secondary Screen (200-SC-001) oversize discharge/transfer to Secondary Crusher (200-CR-001)
S	2.181	Secondary Crusher (200-CR-001)
S	2.182	Secondary Crusher (200-CR-001) discharge/transfer to Collecting Conveyor (200-CV-004)
S	2.183	Conveyor (200-CV-003) discharge/transfer to Collecting Conveyor (200-CV-004)
S	2.184	Conveyor (200-CV-003) discharge/transfer to Collecting Conveyor (300-CV-007)
S	2.185	Conveyor (200-CV-004) discharge/transfer to Conveyor (200-CV-006)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.177 – S2.185** each, shall be ducted to a control system consisting of a **Baghouse (200-DC-003)** with 100% capture and a maximum volume flow rate of **43,200** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.177 – S2.185,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-003)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.92** pound per hour combined, nor more than **3.63** tons per year combined, based on a 12-month rolling period. This limit is less than the **289.15** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by R.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.92** pound per hour combined, nor more than **3.63** tons per year combined, based on a 12-month rolling period. This limit is less than the **289.15** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by R.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (200-DC-003)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (200-DC-003)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

R. Emission Units #'s S2.177 – S2.185 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits (Continued)
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
   On and after the sixtieth day after achieving the maximum production rate at which **System 18** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-003)**, the following pollutants in excess of the following specified limits:
   i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
   ii. Emissions from the exhaust stack of **Baghouse (200-DC-003)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
   iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
   iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.177 – S2.185** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.177 – S2.185** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
   S2.177 – S2.185 each, will not operate in excess of **7884** hours per year.

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Section VI. Specific Operating Conditions (continued)

R. Emission Units #'s S2.177 – S2.185 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.177 – S2.185** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.177 – S2.185** each, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.177 – S2.185** each, on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.177 – S2.185** each, on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Baghouse (200-DC-003)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (200-DC-003)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (200-DC-003)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.177 – S2.185** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.177 – S2.185** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily, monthly and annual hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (200-DC-003)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (200-DC-003)**.

Section VI. Specific Operating Conditions (continued)

R. Emission Units #'s S2.177 – S2.185 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (200-DC-003)** consisting of three valid runs at the maximum throughput rate subject to R.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in R.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in R.2. of this section.
      iii. Performance tests required under R.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in R.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (200-DC-003)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements
   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

S. Emission Unit # S2.186 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

S. System 19 - Refractory Leach Project Transfer of Secondary Crushed Ore System		
S	2.186	Conveyor (530-CV-02) discharge/transfer to Shuttle Conveyor (530-CV-03)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.186** shall be ducted to a control system consisting of **Baghouse (200-DC-006)** with 100% capture and a maximum volume flow rate of **3,961** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.186,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-006)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.40** ton per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by S.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.10** pound per hour, nor more than **0.40** ton per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by S.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (200-DC-006)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (200-DC-006)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 19** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (200-DC-006)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (200-DC-006)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.186** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

S. Emission Unit # S2.186 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.186** will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.186 will not operate in excess of **7884** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.186** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.186** on a daily basis.
      iii. Monitor and record the hours of operation for **S2.186** on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.186** on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Baghouse (200-DC-006)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (200-DC-006)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (200-DC-006)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.186** will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.186** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily, monthly and annual hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (200-DC-006)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (200-DC-006)**.

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Section VI. Specific Operating Conditions (continued)

S. Emission Units # S2.186 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (200-DC-006)** consisting of three valid runs at the maximum throughput rate subject to S.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in S.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in S.2. of this section.
      iii. Performance tests required under S.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in S.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (200-DC-006)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements
   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

S1. Emission Unit # PF1.049 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

S1. System 19A – Alternative Operating Scenario - Refractory Leach Project Transfer of Secondary Crushed Ore System		
PF	1.049	Conveyor (530-CV-02) discharge/transfer to Shuttle Conveyor (530-CV-03)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.049** shall be controlled by operating Water Sprays located at **PF1.049**.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.049**, the permittee will not discharge or cause the discharge into the atmosphere from **PF1.049,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **2.58** pounds per hour, nor more than **5.02** tons per year, based on a 12-month rolling period. This limit is less than the **96.38** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by S1.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **7.36** pounds per hour, nor more than **14.35** tons per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from **PF1.049** will not equal or exceed **20%** in accordance with NAC 445B.22017.

   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 19A** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.049** will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.049** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.049** will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.049** will not exceed **15,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.049 will not operate in excess of **7884** hours per 12-month rolling period.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

S1. Emission Unit # PF1.049 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.049** on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.049** on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.049** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Monitor and record the date and time that the alternate operating scenario begins and when the primary operating scenario (System 19) resumes operation.
      v. Conduct a daily observation of the water sprays and verify that they are operating normally; record the time of the observation and indicate if the water sprays are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      vi. Conduct and record a weekly visible emission inspection on **PF1.049**; record the time of the survey and indicate whether any visible emissions that are not normal for the process, were observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. The required monitoring established in (i.) through (vi.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.049** are operating:
         (a) The calendar date of any required monitoring.
         (b) The time time that the alternate operating scenario begins and when the primary operating scenario (System 19) resumes operation.
         (c) The total daily hours of operation for alternate operating scenario for the corresponding date.
         (d) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.
         (f) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (g) Results and verification of the daily observations and the implementation and proper use of the water spray system, and any corrective actions taken in order to maintain implementation and proper use of the water spray system used for control of emissions.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

T. Emission Units #'s S2.187 – S2.200 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

T. System 20 - Refractory Leach Project Tertiary Crushing Circuit		
S	2.187	Conveyor (300-CV-103) discharge/transfer to Tertiary Screen (300-SC-002)
S	2.188	Conveyor (300-CV-104) discharge/transfer to Tertiary Screen (300-SC-003)
S	2.189	Tertiary Screen (300-SC-002)
S	2.190	Tertiary Screen (300-SC-003)
S	2.191	Tertiary Screen (300-SC-002) undersize discharge/transfer to Screen Discharge Conveyor (400-CV-107)
S	2.192	Tertiary Screen (300-SC-003) undersize discharge/transfer to Screen Discharge Conveyor (400-CV-108)
S	2.193	Tertiary Screen (300-SC-002) oversize discharge/transfer to Tertiary Crusher (300-CR-002)
S	2.194	Tertiary Screen (300-SC-003) oversize discharge/transfer to Tertiary Crusher (300-CR-003)
S	2.195	Tertiary Crusher (300-CR-002)
S	2.196	Tertiary Crusher (300-CR-003)
S	2.197	Tertiary Crusher (300-CR-002) discharge/transfer to Collecting Conveyor (400-CV-106)
S	2.198	Tertiary Crusher (300-CR-003) discharge/transfer to Collecting Conveyor (400-CV-106)
S	2.199	Screen Discharge Conveyor (400-CV-107) discharge/transfer to Collecting Conveyor (400-CV-106)
S	2.200	Screen Discharge Conveyor (400-CV-108) discharge/transfer to Collecting Conveyor (400-CV-106)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.187 – S2.200** each, shall be ducted to a control system consisting of **Baghouse (300-DC-011)** with 100% capture and a maximum volume flow rate of **33,669** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.187 – S2.200,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (300-DC-011)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.87** pound per hour combined, nor more than **3.41** tons per year combined, based on a 12-month rolling period. This limit is less than the **578.30** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by T.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.87** pound per hour combined, nor more than **3.41** tons per year combined, based on a 12-month rolling period. This limit is less than the **578.30** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by T.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (300-DC-011)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (300-DC-011)** will not equal or exceed 20%.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

T. Emission Units #'s S2.187 – 2.200 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits (Continued)
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 20** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (300-DC-011)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (300-DC-011)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.187 – S2.200** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.187 – S2.200** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.187 – S2.200 each, will not operate in excess of **7884** hours per year.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

T. Emission Units #'s S2.187 – 2.200 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.187 – S2.200** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.187 – S2.200** each, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.187 – S2.200** each, on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.187 – S2.200** each, on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Baghouse (300-DC-011)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (300-DC-011)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (300-DC-011)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.187 – S2.200** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.187 – S2.200** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily, monthly and annual hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (300-DC-011)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (300-DC-011)**.

Section VI. Specific Operating Conditions (continued)

T. Emission Units #'s S2.187 – S2.200 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (300-DC-011)** consisting of three valid runs at the maximum throughput rate subject to T.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in T.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in T.2. of this section.
      iii. Performance tests required under T.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in T.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (300-DC-011)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

T. Emission Units #'s S2.187 – S2.200 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
Shielded Requirements

No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

U. Emission Units #'s S2.201 – S2.203 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

U. System 21 - Refractory Leach Project Crushed Ore Transfers: Collecting Conveyors		
S	2.201	Transfer Conveyor (200-CV-006) discharge/transfer to Conveyor (530-CV-02)
S	2.202	Collecting Conveyor (300-CV-007) discharge/transfer to Overland Conveyor (400-CV-014)
S	2.203	Collecting Conveyor (400-CV-106) discharge/transfer to Conveyor (530-CV-02)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.201 – S2.203** each, shall be ducted to a control system consisting of **Baghouse (300-DC-009)** with 100% capture and a maximum volume flow rate of **14,000** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.201 – S2.203,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (300-DC-009)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.31** pound per hour combined, nor more than **1.24** tons per year combined, based on a 12-month rolling period. This limit is less than the **289.14** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by U.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.31** pound per hour combined, nor more than **1.24** tons per year combined, based on a 12-month rolling period. This limit is less than the **289.14** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by U.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (300-DC-009)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (300-DC-009)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 21** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (300-DC-009)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (300-DC-009)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.201 – S2.203** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

U. Emission Units #'s S2.201 – S2.203 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.201 – S2.203** each, will not exceed **3850.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.201 – S2.203 each, will not operate in excess of **7884** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.201 – S2.203** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.201 – S2.203** each, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.201 – S2.203** each, on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.201 – S2.203** each, on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Baghouse (300-DC-009)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (300-DC-009)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouse (300-DC-009)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.201 – S2.203** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.201 – S2.203** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily, monthly and annual hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (300-DC-009)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (300-DC-009)**.

Section VI. Specific Operating Conditions (continued)

U. Emission Units #'s S2.201 – S2.203 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (300-DC-009)** consisting of three valid runs at the maximum throughput rate subject to U.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in U.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in U.2. of this section.
      iii. Performance tests required under U.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in U.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (300-DC-009)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

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Section VI. Specific Operating Conditions (continued)

U. Emission Units #'s S2.201 – S2.203 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
Shielded Requirements

No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

V. Emission Unit # S2.204 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

V. System 22 - Refractory Leach Project Crushed Ore Transfer: Overland Conveyor		
S	2.204	Overland Conveyor (400-CV-014) discharge/transfer to Fine Ore Bin Conveyor (400-CV-016)

REMOVED FROM PERMIT ON: November 7, 2006

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

W. Emission Units #'s S2.205 – S2.207 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

W. System 23 - Refractory Leach Project Agglomeration Drums		
S	2.205	Fine Ore Bin Conveyor (400-CV-016) discharge/transfer to Fine Ore Bin (400-BN-012)
S	2.206	Agglomeration Drum Feeder (400-FE-006) discharge/transfer to Agglomeration Drum (400-AD-001)
S	2.207	Agglomeration Drum Feeder (400-FE-007) discharge/transfer to Agglomeration Drum (400-AD-002)

REMOVED FROM PERMIT ON: November 7, 2006

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

X. Emission Units #'s PF1.025 – PF1.027 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

X. System 24 - South Area Leach Truck Loading		
PF	1.025	Apron Feeder (330-AF-03) discharge/transfer to Truck Conveyor (330-CV-02)
PF	1.026	Apron Feeder (330-AF-04) discharge/transfer to Truck Conveyor (330-CV-02)
PF	1.027	Truck Conveyor (330-CV-02) discharge/transfer to Leach Pad Haul Truck

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.025 – PF1.026** each, shall be controlled by Underground Transfer Points and operating Water Sprays located at **PF1.025 – PF1.026** each.
   Emissions from **PF1.027** shall be controlled by operating Water Sprays located at **PF1.027.**

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.025 – PF1.027,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.025 – PF1.027,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.99** pounds per hour combined, nor more than **5.43** tons per year combined, based on a 12-month rolling period. This limit is less than the **295.20** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by X.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **5.69** pounds per hour combined, nor more than **15.52** tons per year combined, based on a 12-month rolling period. This limit is less than the **295.20** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by X.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.025 – PF1.027** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.025 – PF1.027** each, will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 24** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.025 – PF1.027** each, will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.025 – PF1.027**each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

X. Emission Units #'s PF1.025 – PF1.027 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.025 – PF1.027** each, will not exceed **4,400.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.025 – PF1.027** each, will not exceed **24,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.025 – PF1.027 each, may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.025 – PF1.027** each, on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.025 – PF1.027** each, on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.025 – PF1.027** each, on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays and verify that they are operating normally; record the time of the observation and indicate if the water sprays are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.025 – PF1.027** each; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.025 – PF1.027** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water spray system, and any corrective actions taken in order to maintain implementation and proper use of the water spray system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

X. Emission Units #'s PF1.025 – PF1.027 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
Shielded Requirements

No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

Y. Emission Units #'s S2.208 – S2.209 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

Y. System 25 - Refractory Leach Project Neutralization Lime Unloading System		
S	2.208	Truck Unloading System (500-ZM-019)
S	2.209	Truck Unloading System (500-ZM-019) discharge/transfer to Neutralization Silo (500-BN-010)

REMOVED FROM PERMIT ON: November 7, 2006

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

Z. Emission Unit # S2.210 location North 4514.798 km, East 568.426 km, UTM (Zone 11)

Z. System 26 – Mill 5 Lime Silo - Loading		
S	2.210	Mill 5 Lime Silo - Loading (2600-DC-02)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.210** shall be ducted to a control system consisting of **Baghouse (2600-DC-02)** with 100% capture and a maximum volume flow rate of **1,030** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.210,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (2600-DC-02)** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.0016** pound per hour, nor more than **0.0024** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by Z.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.0016** pound per hour, nor more than **0.0024** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by Z.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (2600-DC-02)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (2600-DC-02)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.210** will not exceed **120.0** tons of **lime** per any one-hour period.
   b. Hours
      S2.210 may operate **7884** hours per year.

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Section VI. Specific Operating Conditions (continued)

Z. Emission Unit # S2.210 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of cement/lime, in tons for **S2.210,** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.210,** each day loading occurs.
      iii. Monitor and record the hours of operation for **S2.210** on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.210** on an annual basis.
      v. Monitor and record that the maintenance and operation of **Baghouse (2600-DC-02)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      vi. Conduct and record an annual check of all bags contained in **Baghouse (2600-DC-02)**.
      vii. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (2600-DC-02)** during silo loading and indicate whether any visible emission was observed. If no visible emissions are observed during the survey of **Baghouse (2600-DC-02)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.210** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of cement/lime, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of cement/lime, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (2600-DC-02)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AA. Emission Units #'s S2.211 – S2.212 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

AA. System 27 - Refractory Leach Project Neutralization Area		
S	2.211	Neutralization Silo (500-BN-010) discharge/transfer to Reclaim Conveyor (500-CV-043)
S	2.212	Reclaim Belt Conveyor (500-CV-043) discharge/transfer to Pug Mill Conveyor (500-CV-048)

REMOVED FROM PERMIT ON: November 7, 2006

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Section VI. Specific Operating Conditions (continued)

AB. Emission Unit # S2.213 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

AB. System 28 - Refractory Leach Project Diatomaceous Earth Silo – Loading		
S	2.213	Diatomaceous Earth Bin - Loading (600-BN-027)

REMOVED FROM PERMIT ON: November 7, 2006

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Section VI. Specific Operating Conditions (continued)

AC. Emission Unit # PF1.043 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

AC. System 29 - Refractory Leach Diatomaceous Earth Silo – Unloading		
PF	1.043	Diatomaceous Earth Bin - Unloading (600-BN-027)

REMOVED FROM PERMIT ON: November 7, 2006

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Section VI. Specific Operating Conditions (continued)

AD. Emission Units #'s S2.214 – S2.215 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

AD. System 30 - Refractory Leach Water Treatment Plant Lime Unloading System		
S	2.214	Water Treatment Plant Truck Unloading System (800-ZM-043)
S	2.215	Water Treatment Plant Truck Unloading System (800-ZM-043) discharge/transfer to Water Treatment Plant Silo (800-BN-029)

REMOVED FROM PERMIT ON: November 7, 2006

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Section VI. Specific Operating Conditions (continued)

AE. Emission Unit # S2.216 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

AE. System 31 - Refractory Leach Water Treatment Plant Lime Silo – Loading		
S	2.216	Water Treatment Plant Silo - Loading (800-BN-029)

REMOVED FROM PERMIT ON: November 7, 2006

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Section VI. Specific Operating Conditions (continued)

AF. Emission Unit # PF1.044 location North 4514.99 km, East 567.68 km, UTM (Zone 11)

AF. System 32 - Refractory Leach Project Water Treatment Plant Lime Silo–Unloading		
PF	1.044	Water Treatment Plant Silo - Unloading (800-BN-029)

REMOVED FROM PERMIT ON: November 7, 2006

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Section VI. Specific Operating Conditions (continued)

AG. Emission Units #'s PF1.028 – PF1.033, & PF1.043 location North 4514.57 km, East 568.26 km, UTM (Zone 11)

AG. System 33 - Mill 6 Primary Crushing Circuit		
PF	1.028	ROM Ore discharge/transfer to Primary Crusher Hopper (200-BN-01)
PF	1.029	Hopper (200-BN-01) discharge/transfer to Apron Feeder (200-FE-01)
PF	1.030	Apron Feeder (200-FE-01) discharge/transfer to Feeder (200-FE-03)
PF	1.031	Feeder (200-FE-03) discharge/transfer to Primary Jaw Crusher (200-CR-01)
PF	1.032	Primary Jaw Crusher (200-CR-01)
PF	1.033	Primary Jaw Crusher (200-CR-01) discharge/transfer to Conveyor (200-CV-01)
PF	1.043	Scalping Screen **(Added to Emission Unit List on DATE, 2007)**

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.028 – PF1.033, & PF1.043** each, shall be controlled by operating Fogging or Atomizor Water Sprays located at **PF1.028 – PF1.033, & PF1.043** each.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.028 – PF1.033, & PF1.043,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.028 – PF1.033, & PF1.043,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **25.00** pounds per hour combined, nor more than **40.00** tons per year combined, based on a 12-month rolling period. This limit is less than the **232.76** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AG.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **25.00** pounds per hour combined, nor more than **40.00** tons per year combined, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.028 – PF1.033, & PF1.043** each, will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 33** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.028 – PF1.033, & PF1.043** each, will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.028 – PF1.033, & PF1.043** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

AG. Emission Units #'s PF1.028 – PF1.033, & PF1.043 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.028 – PF1.033, & PF1.043** each, will not exceed **1000.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.028 – PF1.033, & PF1.043** each, will not exceed **3,200,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.028 – PF1.033, & PF1.043 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.028 – PF1.033, & PF1.043** each, on a daily basis.
      i. Monitor and record the hours of operation for **PF1.028 – PF1.033, & PF1.043** each, on a daily basis.
      ii. Monitor and record the throughput rate of as fed ore for **PF1.028 – PF1.033, & PF1.043** each, on a cumulative monthly basis, for each 12-month rolling period.
      iii. Conduct a daily observation of the water sprays and verify that they are operating normally; record the time of the observation and indicate if the water sprays system is operating normally.
      iv. Conduct and record a weekly visible emission inspection on **PF1.028 – PF1.033, & PF1.043** each; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.028 – PF1.033, & PF1.043** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water spray system, and any corrective actions taken in order to maintain implementation and proper use of the water spray system used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements
   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AH. Emission Units #'s S2.060 – S2.067 North 4514.57 km, East 568.30 km, UTM (Zone 11)

AH. System 34 - Mill 6 Secondary Crushing Circuit		
S	2.060	Conveyor (200-CV-001) discharge/transfer to High Angle Conveyor (6200-CV-002)
S	2.061	High Angle Conveyor (6200-CV-002) discharge/transfer to Secondary Screen (6200-SC-002)
S	2.062	Secondary Screen (6200-SC-002)
S	2.063	Secondary Screen (6200-SC-002) undersize discharge/transfer to Product Conveyor (6200-CV-003)
S	2.064	Secondary Screen (6200-SC-002) oversize discharge/transfer to Secondary Crusher (6200-CR-002)
S	2.065	Secondary Crusher (6200-CR-002)
S	2.066	Secondary Crusher (6200-CR-002) discharge/transfer to Product Conveyor (6200-CV-003)
S	2.067	Product Conveyor (6200-CV-003) discharge/transfer to Radial Stacker (200-BM-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.060 – S2.067** each, shall be ducted to a control system consisting of **Baghouse (6200-DC-002)** with 100% capture and a maximum volume flow rate of **28,000** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.060 – S2.067,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6200-DC-002)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.22** pounds per hour combined, nor more than **5.34** tons per year combined, based on a 12-month rolling period. This limit is less than the **292.26** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AH.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.22** pounds per hour combined, nor more than **5.34** tons per year combined, based on a 12-month rolling period. This limit is less than the **292.26** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by AH.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6200-DC-002)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6200-DC-002)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AH. Emission Units #'s S2.060 – S2.067 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits (Continued)
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 34** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6200-DC-002)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (6200-DC-002)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.060 – S2.067** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.060 – S2.067** each, will not exceed **700.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.060 – S2.067 each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

AH. Emission Units #'s S2.060 – S2.067 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.060 – S2.067** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.060 – S2.067** each, on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (6200-DC-002)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6200-DC-002)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (6200-DC-002)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.060 – S2.067** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.060 – S2.067** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (6200-DC-002)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (6200-DC-002)**.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AH. Emission Units #'s S2.060 – S2.067 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (6200-DC-002)** consisting of three valid runs at the maximum throughput rate subject to AH.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in AH.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AH.2. of this section.
      iii. Performance tests required under AH.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AH.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (6200-DC-002)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AH. Emission Units #'s S2.060 – S2.067 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AI. Emission Unit # PF1.034 location North 4514.57 km, East 568.30 km, UTM (Zone 11)

AI. System 35 - Mill 6 Radial Stacker		
PF	1.034	Radial Stacker (200-BM-01) discharge/transfer to Stockpile

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.034** shall be controlled by operating Water Sprays located at **PF1.034**.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.034,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.034,** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.27** pound per hour, nor more than **0.62** ton per year, based on a 12-month rolling period. This limit is less than the **73.10** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by AI.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.76** pound per hour, nor more than **1.74** tons per year, based on a 12-month rolling period. This limit is less than the **73.10** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by AI.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.034** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.034** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable discharge rate for **PF1.034** will not exceed **700.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual discharge rate for **PF1.034** will not exceed **3,200,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.034 may operate **8760** hours per year.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AI. Emission Unit # PF1.034 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.034** on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.034** on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.034** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct a daily observation of the water sprays and verify that they are operating normally; record the time of the observation and indicate if the water sprays are operating normally. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.
      v. Conduct and record a weekly visible emission inspection on **PF1.034**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.034** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         (f) Results and verification of the daily observations and the implementation and proper use of the water sprays and any corrective actions taken in order to maintain implementation and proper use of the water sprays used for control of emissions.
         (g) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AJ. Emission Units #'s S2.068 – S2.082 North 4514.75 km, East 568.45 km, UTM (Zone 11)

AJ. System 36 - Mill 6 Tertiary Crushing Circuit		
S	2.068	Apron Feeder (300-FE-01) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S	2.069	Apron Feeder (300-FE-02) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S	2.070	Apron Feeder (300-FE-03) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S	2.071	Lime Bin-Unloading (600-BN-01)
S	2.072	Pyrite Feed Hopper (6300-BN-01)
S	2.073	Feed Conveyor (6300-FE-04) discharge/transfer to Pyrite Conveyor (6300-FE-05)
S	2.074	Pyrite Conveyor (6300-FE-05) discharge/transfer to Reclaim Conveyor (6300-CV-004)
S	2.075	Reclaim Conveyor (6300-CV-004) discharge/transfer to Reclaim Conveyor (6300-CV-005)
S	2.076	Reclaim Conveyor (6300-CV-005) discharge/transfer to Conveyor (300-CV-03)
S	2.077	Conveyor (300-CV-03) discharge/transfer to Crusher Surge Bin (2300-BN-03)
S	2.078	Crusher Surge Bin (2300-BN-03) discharge/transfer to Tertiary Cone Crusher Feeder (2300-FE-04)
S	2.079	Tertiary Cone Crusher Feeder (2300-FE-04) discharge/transfer to Tertiary Cone Crusher (300-CR-01)
S	2.080	Tertiary Cone Crusher (300-CR-01)
S	2.081	Tertiary Cone Crusher (300-CR-01) discharge/transfer to Product Conveyor (2300-CV-026)
S	2.082	Product Conveyor (2300-CV-026) discharge/transfer to Conveyor (2300-CV-027)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.068 – S2.082** each, shall be ducted to a control system consisting of **Baghouse (6300-DC-003)** with 100% capture and a maximum volume flow rate of **19,065** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.068 – S2.082,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-003)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.94** pound per hour combined, nor more than **4.12** tons per year combined, based on a 12-month rolling period. This limit is less than the **773.55** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AJ.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.94** pound per hour combined, nor more than **4.12** tons per year combined, based on a 12-month rolling period. This limit is less than the **773.55** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by AJ.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6300-DC-003)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6300-DC-003)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AJ. Emission Units #'s S2.068 – S2.082 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits (Continued)
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 36** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-003)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (6300-DC-003)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.068 – S2.082** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.068 – S2.082** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.068 – S2.082 each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

AJ. Emission Units #'s S2.068 – S2.082 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.068 – S2.082** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.068 – S2.082** each, on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (6300-DC-003)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6300-DC-003)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (6300-DC-003)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.068 – S2.082** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.068 – S2.082** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (6300-DC-003)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (6300-DC-003)**.

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Section VI. Specific Operating Conditions (continued)

AJ. Emission Units #'s S2.068 – S2.082 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (6300-DC-003)** consisting of three valid runs at the maximum throughput rate subject to AJ.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in AJ.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AJ.2. of this section.
      iii. Performance tests required under AJ.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AJ.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (6300-DC-003)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

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Section VI. Specific Operating Conditions (continued)

AJ. Emission Units #'s S2.068 – S2.082 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
Shielded Requirements

No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AK. Emission Unit # S2.083 location North 4514.77 km, East 568.47 km, UTM (Zone 11)

AK. System 37 - Mill 6 Lime/Trona Bin Loading		
S	2.083	Mill 6 Lime/Trona Bin - Loading (600-BN-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.083** shall be ducted to a control system consisting of **Baghouse (600-DC-001)** with 100% capture and a maximum volume flow rate of **1,640** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.083,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (600-DC-001)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.13** pound per hour, nor more than **0.57** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by AK.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.13** pound per hour, nor more than **0.57** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by AK.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (600-DC-001)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour in accordance with SIP 445.721.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (600-DC-001)** will not equal or exceed 20% in accordance with NAC 445B.354.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.083** will not exceed **60.0** tons of **lime/trona** per any one-hour period.
   b. Hours
      S2.083 may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

AK. Emission Unit # S2.083 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of lime/trona, in tons for **S2.083**, each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.083**, each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (600-DC-001)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (600-DC-001)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (600-DC-001)** during silo loading and indicate whether any visible emission was observed. If no visible emissions are observed during the survey of **Baghouse (600-DC-001)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.083** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of lime/trona, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of lime/trona, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (600-DC-001)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AL. Emission Unit # S2.084 location North 4514.80 km, East 568.53 km, UTM (Zone 11)

AL. System 38 - Mill 6 Crushed Ore Transfer		
S	2.084	Conveyor (6300-CV-027) discharge/transfer to Feed Conveyor (6300-CV-028)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.084** shall be ducted to a control system consisting of **Baghouse (6300-DC-004)** with 100% capture and a maximum volume flow rate of **7,708** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.084,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-004)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.38** pound per hour, nor more than **1.66** tons per year, based on a 12-month rolling period. This limit is less than the **70.32** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by AL.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.38** pound per hour, nor more than **1.66** tons per year, based on a 12-month rolling period. This limit is less than the **70.32** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by AL.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6300-DC-004)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6300-DC-004)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 38** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-004)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (6300-DC-004)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.084** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AL. Emission Unit # S2.084 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.084** will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.084 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.084** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.084** on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (6300-DC-004)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6300-DC-004)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (6300-DC-004)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.084** will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.084** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (6300-DC-004)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (6300-DC-004)**.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AL. Emission Unit # S2.084 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (6300-DC-004)** consisting of three valid runs at the maximum throughput rate subject to AL.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in AL.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AL.2. of this section.
      iii. Performance tests required under AL.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AL.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (6300-DC-004)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AL. Emission Unit # S2.084 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
Shielded Requirements

No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AM. Emission Units #'s S2.085 – S2.097 North 4515.02 km, East 568.84 km, UTM (Zone 11)

AM. System 39 - Mill 6 Grinding and Ore Re-circulation Circuit		
S	2.085	Feed Conveyor (6300-CV-028) discharge/transfer to Double Rotator (6300-ML-001)
S	2.086	Double Rotator (6300-ML-001)
S	2.087	Double Rotator (6300-ML-001) discharge/transfer to Air Slide (6300-AS-001)
S	2.088	Air Slide (6300-AS-001) discharge/transfer to Bucket Elevator (6300-BE-001)
S	2.089	Bucket Elevator (6300-BE-001) discharge/transfer to Air Slide (6300-AS-003)
S	2.090	Air Slide (6300-AS-003) discharge/transfer to Dynamic Separator (6300-CS-002)
S	2.091	Dynamic Separator (6300-CS-002) discharge/transfer to Air Slide (6300-AS-025)
S	2.092	Air Slide (6300-AS-025) discharge/transfer to Air Slide (6300-AS-005)
S	2.093	Air Slide (6300-AS-025) discharge/transfer to Air Slide (6300-AS-006)
S	2.094	Air Slide (6300-AS-005) discharge/transfer to Air Slide (6300-AS-050)
S	2.095	Air Slide (6300-AS-006) discharge/transfer to Air Slide (6300-AS-060)
S	2.096	Air Slide (6300-AS-050) discharge/transfer to Double Rotator (6300-ML-001)
S	2.097	Air Slide (6300-AS-060) discharge/transfer to Double Rotator (6300-ML-001)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.085 – S2.097** each, shall be ducted to a control system consisting of **Baghouse (6300-DC-005)** with 100% capture and a maximum volume flow rate of **17,916** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.085 – S2.097,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-005)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.88** pound per hour combined, nor more than **3.87** tons per year combined, based on a 12-month rolling period. This limit is less than the **703.22** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AM.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.88** pound per hour combined, nor more than **3.87** tons per year combined, based on a 12-month rolling period. This limit is less than the **703.22** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by AM.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6300-DC-005)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6300-DC-005)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AM. Emission Units #'s S2.085 – S2.097 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits (Continued)
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 39** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-005)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the exhaust stack of **Baghouse (6300-DC-005)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.085 – S2.097** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.085 – S2.097** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.085 – S2.097 each, may operate **8760** hours per year.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AM. Emission Units #'s S2.085 – S2.097 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.085 – S2.097** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.085 – S2.097** each, on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (6300-DC-005)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6300-DC-005)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (6300-DC-005)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.085 – S2.097** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.085 – S2.097** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (6300-DC-005)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (6300-DC-005)**.

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Section VI. Specific Operating Conditions (continued)

AM. Emission Units #'s S2.085 – S2.097 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (6300-DC-005)** consisting of three valid runs at the maximum throughput rate subject to AM.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 or 17 test in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director). The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.
      ii. The Method 201A and Method 202 tests required in AM.4.b.i. of this section may be replaced by a Method 5 or 17 test which includes the back-half catch. All particulate captured in the Method 5 or 17 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AM.2. of this section.
      iii. Performance tests required under AM.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AM.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (6300-DC-005)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
   c. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
   The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AM. Emission Units #'s S2.085 – S2.097 (continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AN. Emission Units #'s S2.098 – S2.101 North 4515.04 km, East 568.84 km, UTM (Zone 11)

AN. System 40 - Mill 6 Dynamic Separator Baghouses		
S	2.098	Dynamic Separator Product Baghouse (6300-DC-010)
S	2.099	Dynamic Separator Product Baghouse (6300-DC-011)
S	2.100	Dynamic Separator Product Baghouse (6300-DC-012)
S	2.101	Dynamic Separator Product Baghouse (6300-DC-013)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.098 – S2.101** each, shall be ducted to a control system consisting of **four (4) Baghouses, (6300-DC-010 through 6300-DC-013)** with 100% capture and a combined maximum volume flow rate of **203,216** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A. At least three of the four baghouses will be functioning during operation of **S2.098 – S2.101**. This is a series of baghouses with one (1) final exit stack **(E7)**.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.098 – S2.101,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **(E7)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **17.87** pounds per hour combined, nor more than **78.28** tons per year combined, based on a 12-month rolling period. This limit is less than the **281.28** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AN.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **17.87** pounds per hour combined, nor more than **78.28** tons per year combined, based on a 12-month rolling period. This limit is less than the **281.28** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by AN.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **(E7)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **(E7)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.098 – S2.101** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.098 – S2.101 each, may operate **8760** hours per year.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AN. Emission Units #'s S2.098 – S2.101 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.098 – S2.101** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.098 – S2.101** each, on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouses (6300-DC-010 through 6300-DC-013)**.
      iv. Conduct and record a weekly visible emission inspection of exhaust stack **(E7)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressures on **Baghouses (6300-DC-010 through 6300-DC-013)**, and verify that they are within the range established by the baghouse manufacturer; record the time of the reading and the differential pressures. **S2.098 – S2.101** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.098 – S2.101** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouses (6300-DC-010 through 6300-DC-013)**.
         (g) Records and results of the annual check of bags contained in **Baghouses (6300-DC-010 through 6300-DC-013)**.

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Section VI. Specific Operating Conditions (continued)

AN. Emission Units #'s S2.098 – S2.101 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **(E7)** consisting of three valid runs at the maximum throughput rate subject to AN.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
      ii. The Method 201A and Method 202 tests required in AN.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AN.2. of this section.
      iii. Performance tests required under AN.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AN.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **(E7)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AO. Emission Units #'s S2.102 – S2.119 North 4515.00 km, East 568.85 km, UTM (Zone 11)

AO. System 41 - Mill 6 Transfers to Fine Ore Bin and Roaster Day Bins		
S	2.102	Dynamic Separator Product Baghouse (6300-DC-010) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.103	Dynamic Separator Product Baghouse (6300-DC-011) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.104	Dynamic Separator Product Baghouse (6300-DC-012) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.105	Dynamic Separator Product Baghouse (6300-DC-013) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.106	Fine Ore Bin Baghouse (6300-DC-026) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.107	Static Baghouse (6300-DC-006) discharge/transfer to Air Slide (6300-AS-008)
S	2.108	Static Baghouse (6300-DC-007) discharge/transfer to Air Slide (6300-AS-008)
S	2.109	Static Baghouse (6300-DC-008) discharge/transfer to Air Slide (6300-AS-007)
S	2.110	Static Baghouse (6300-DC-009) discharge/transfer to Air Slide (6300-AS-007)
S	2.111	Air Slide (6300-AS-008) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.112	Air Slide (6300-AS-007) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.113	Fine Ore Bin (6300-BN-001) discharge/transfer to Air Slide (6300-AS-009)
S	2.114	Air Slide (6300-AS-021) discharge/transfer to Bucket Elevator (6300-BE-003)
S	2.115	Air Slide (6300-AS-022) discharge/transfer to Bucket Elevator (6300-BE-004)
S	2.116	Bucket Elevator (6300-BE-003) discharge/transfer to Air Slide (6300-AS-023)
S	2.117	Bucket Elevator (6300-BE-004) discharge/transfer to Air Slide (6300-AS-024)
S	2.118	Air Slide (6300-AS-023) discharge/transfer to North Day Bin (6400-BN-003)
S	2.119	Air Slide (6300-AS-024) discharge/transfer to South Day Bin (6400-BN-004)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.102 – S2.119** each, shall be ducted to a control system consisting of **Baghouse (6300-DC-026)** with 100% capture and a maximum volume flow rate of **5,972** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.102 – S2.119,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-026)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.29** pound per hour combined, nor more than **1.29** tons per year combined, based on a 12-month rolling period. This limit is less than the **492.24** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AO.3.a. of this section.
      ii. NAC 445B.305 (445.7075) *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.29** pound per hour combined, nor more than **1.29** tons per year combined, based on a 12-month rolling period. This limit is less than the **492.24** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by AO.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6300-DC-026)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6300-DC-026)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AO. Emission Units #'s S2.102 – S2.119 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.102 – S2.119** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.102 – S2.119 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.102 – S2.119** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.102 – S2.119** each, on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (6300-DC-026)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6300-DC-026)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (6300-DC-026)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.102 – S2.119** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.102 – S2.119** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (6300-DC-026)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (6300-DC-026)**.

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Section VI. Specific Operating Conditions (continued)

AO. Emission Units #'s S2.102 – S2.119 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (6300-DC-026)** consisting of three valid runs at the maximum throughput rate subject to AO.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
      ii. The Method 201A and Method 202 tests required in AO.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AO.2. of this section.
      iii. Performance tests required under AO.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AO.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (6300-DC-026)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AO1. Emission Units #'s S2.102 – S2.119 North 4515.00 km, East 568.85 km, UTM (Zone 11)

AO1. System 41A – Alternative Operating Scenario - Mill 6 Transfers to Fine Ore Bin and Roaster Day Bins		
S	2.102	Dynamic Separator Product Baghouse (6300-DC-010) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.103	Dynamic Separator Product Baghouse (6300-DC-011) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.104	Dynamic Separator Product Baghouse (6300-DC-012) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.105	Dynamic Separator Product Baghouse (6300-DC-013) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.106	Fine Ore Bin Baghouse (6300-DC-026) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.107	Static Baghouse (6300-DC-006) discharge/transfer to Air Slide (6300-AS-008)
S	2.108	Static Baghouse (6300-DC-007) discharge/transfer to Air Slide (6300-AS-008)
S	2.109	Static Baghouse (6300-DC-008) discharge/transfer to Air Slide (6300-AS-007)
S	2.110	Static Baghouse (6300-DC-009) discharge/transfer to Air Slide (6300-AS-007)
S	2.111	Air Slide (6300-AS-008) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.112	Air Slide (6300-AS-007) discharge/transfer to Fine Ore Bin (6300-BN-001)
S	2.113	Fine Ore Bin (6300-BN-001) discharge/transfer to Air Slide (6300-AS-009)
S	2.114	Air Slide (6300-AS-021) discharge/transfer to Bucket Elevator (6300-BE-003)
S	2.115	Air Slide (6300-AS-022) discharge/transfer to Bucket Elevator (6300-BE-004)
S	2.116	Bucket Elevator (6300-BE-003) discharge/transfer to Air Slide (6300-AS-023)
S	2.117	Bucket Elevator (6300-BE-004) discharge/transfer to Air Slide (6300-AS-024)
S	2.118	Air Slide (6300-AS-023) discharge/transfer to North Day Bin (6400-BN-003)
S	2.119	Air Slide (6300-AS-024) discharge/transfer to South Day Bin (6400-BN-004)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.102 – S2.119** each, shall be ducted to a control system consisting of **Baghouse (6300-DC-005)** with 100% capture and a maximum volume flow rate of **17,916** dry standard cubic feet per minute (DSCFM) and **four (4) Baghouses (6300-DC-010 through 6300 DC-013, a series of baghouses with one (1) final exit stack (E7))** with a combined maximum volume flow rate of **203,216** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.102 – S2.119,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6300-DC-005)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.88** pound per hour combined, nor more than **3.87** tons per year combined, based on a 12-month rolling period. This limit is less than the **492.24** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AO1.3.a. of this section.
      ii. NAC 445B.305 (445.7075) *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.88** pound per hour combined, nor more than **3.87** tons per year combined, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from the exhaust stack of **Baghouse (6300-DC-005)** will not equal or exceed **20%** in accordance with NAC 445B.22017.

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Section VI. Specific Operating Conditions (continued)

AO1. Emission Units #'s S2.102 – S2.119 (continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   Emission Limits
   b. On and after the date of startup of **S2.102 – S2.119,** the permittee will not discharge or cause the discharge into the atmosphere from the **single exhaust stack (E7) of the four Baghouses (6300-DC-010 through 6300-DC-013)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **17.87** pounds per hour combined, nor more than **78.28** tons per year combined, based on a 12-month rolling period. This limit is less than the **492.24** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by AO1.3.a. of this section.
      ii. NAC 445B.305 (445.7075) *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **17.87** pounds per hour combined, nor more than **78.28** tons per year combined, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from the **single exhaust stack (E7) of the four Baghouses (6300-DC-010 through 6300-DC-013)** will not equal or exceed **20%** in accordance with NAC 445B.22017.

   c. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 41A** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the **exhaust stack of Baghouse (6300-DC-005) and the single exhaust stack (E7) of the four Baghouses (6300-DC-010 through 6300-DC-013)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. Emissions from the **exhaust stack of Baghouse (6300-DC-005) and the single exhaust stack (E7) of the four Baghouses (6300-DC-010 through 6300-DC-013)** that exhibit greater than 7 percent opacity (40 CFR Part 60.382(a)(2)).
      iii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iv. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.102 – S2.119** each, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.102 – S2.119** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.102 – S2.119 each, may not operate in excess of **500** hours per 12-month rolling period, while operating under this alternative operating scenario.

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Section VI. Specific Operating Conditions (continued)

AO1. Emission Units #'s S2.102 – S2.119 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.102 – S2.119** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.102 – S2.119** each, on a daily basis.
      iii. Monitor and record the date and time that the alternate operating scenario begins and when the primary operating scenario (System 41) resumes operation.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (6300-DC-005) and the four Baghouses (6300-DC-010 through 6300-DC-013)**.
      v. Conduct and record a weekly visible emission inspection on the **exhaust stack of Baghouse (6300-DC-005) and the single exhaust stack (E7) of the four Baghouses (6300-DC-010 through 6300-DC-013)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. Conduct and record a weekly reading of differential pressure on **Baghouse (6300-DC-005) and the four Baghouses (6300-DC-010 through 6300-DC-013)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.102 – S2.119** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vii. The required monitoring established in (i.) through (vi.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.102 – S2.119** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The time time that the alternate operating scenario begins and when the primary operating scenario (System 41) resumes operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.
         (f) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (g) The results of the weekly differential pressure readings for **Baghouse (6300-DC-005) and the four Baghouses (6300-DC-010 through 6300-DC-013).**
         (h) Records and results of the annual check of bags contained in **Baghouse (6300-DC-005) and the four Baghouses (6300-DC-010 through 6300-DC-013)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AP. Emission Units #'s S2.120 – S2.124 (Roaster "Umbrella" Units) North 4515.00 km, East 568.85 km, UTM (Zone 11)

AP. System 42 - Mill 6 Static Separator (S2.120 – S2.124) (Exhaust Stack – (E6))		
S	2.120	Double Rotator Air Preheater (6300-BU-001)
S	2.121	Static Separator Product Baghouse (6300-DC-006)
S	2.122	Static Separator Product Baghouse (6300-DC-007)
S	2.123	Static Separator Product Baghouse (6300-DC-008)
S	2.124	Static Separator Product Baghouse (6300-DC-009)

1. NAC 445B.3405 (NAC 445B.316)(445.7114) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.120 – S2.124** each, shall be ducted to a control system consisting of **four (4) Baghouses: (6300-DC-006 through 6300-DC-009)** with 100% capture and a combined maximum volume flow rate of **124,782** dry standard cubic feet per minute (DSCFM), with a final exit stack of **(Exhaust Stack – (E6))**. At least three of the four baghouses will be functioning during operation of **S2.120 – S2.124**. The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of the **Mill 6 Static Separator (S2.120 – S2.124),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **(E6)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere from **S2.120** will not exceed **0.32** pound per million Btu.
      ii. SIP 445.732 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of PM (particulate matter) to the atmosphere from **S2.121 – S2.124** will not exceed **281.28** pounds per hour, combined.
      iii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.120** will not exceed **0.32** pound per million Btu.
      iv. NAC 445B.22033 *State Only Requirement* – The maximum allowable discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.121 – S2.124** will not exceed **281.28** pounds per hour, combined.
      v. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **23.31** pounds per hour.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **27.40** pounds per hour.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **31.93** pounds per hour.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **4.89** pounds per hour.
      ix. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **3.28** pounds per hour.
      x. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.120** will not exceed **96.39** pounds per hour.
      xi. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmoshphere **S2.120** will not exceed **96.39** pounds per hour.
      xii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **(E6)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xiii. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **(E6)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AP. Emission Units #'s S2.120 – S2.124 (Roaster "Umbrella" Units) (Continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.120** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.120** may combust a fuel blend of natural gas and propane/air as an alternative operating scenario.
   c. The maximum operating heat input for **S2.120** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air will not exceed **137.7** million Btu per any one-hour period (MMBTU/hr).
   d. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air for **S2.120** will not exceed **135,800.0** standard cubic feet per hour (SCF/hr).
   e. The maximum allowable throughput rate for **S2.121 – S2.124** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   f. Hours
      S2.120 – S2.124 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.121 – S2.124** each, on a daily basis.
      ii. Monitor and record the fuel consumption rate of natural gas for **S2.120** on a daily basis.
      iii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.120**, while operating under the alternative operating scenario, on a daily basis.
      iv. Monitor and record the hours of operation for **S2.120 – S2.124** each, on a daily basis.
      v. Conduct and record an annual check of all bags contained in **Baghouses (6300-DC-006 through 6300-DC-009)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **(E6)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouses (6300-DC-006 through 6300-DC-009)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.120 – S2.124** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.

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Section VI. Specific Operating Conditions (continued)

AP. Emission Units #'s S2.120 – S2.124 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      ix. The required monitoring established in (i.) through (viii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.120 – S2.124** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (d) The total daily hours of operation for the corresponding date.
         (e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.
         (f) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (g) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (h) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (d) and (f) above.
         (i) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (d) and (g) above.
         (j) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (k) The results of the weekly differential pressure readings for **Baghouses (6300-DC-006 through 6300-DC-009)**.
         (l) Records and results of the annual check of bags contained in **Baghouses (6300-DC-006 through 6300-DC-009)**.

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Section VI. Specific Operating Conditions (continued)

AP. Emission Units #'s S2.120 – S2.124 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 120 days from the date of issuance of this permit, and once annually thereafter, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **(E6)** consisting of three valid runs at the maximum throughput rate subject to AP.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in AP.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AP.2. of this section.
   iii. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **(E6)** while **Mill 6 Static Separator (S2.120 – S2.124 each),** are operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   iv. Performance tests required under AP.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AP.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   v. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **(E6)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   vi. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vii. The emissions results of the Method 5 performance test for PM and the Method 201A and Method 202 performance test for PM_{10} must be reported in both lb/hour and lb/MMBtu.
   viii. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

AP. Emission Units #'s S2.120 – S2.124 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      ix. Within 60 days after completing the performance tests and opacity observations contained in AP.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in AP.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AQ. Emission Units #'s S2.125 – S2.130 (Roaster "Umbrella" Units) North 4515.00 km, East 568.85 km, UTM (Zone 11)

AQ. System 43 - North CFB Preheater (S2.125 – S2.127) and South CFB Preheater (S2.128 – S2.130) (Exhaust Stack – (E8))		
S	2.125	Heater (6400-BU-003)
S	2.126	Day Bin (6400-BN-003) discharge/transfer to CFB Ore Preheater (6400-PH-001)
S	2.127	Preheater Baghouse (6400-DC-017) discharge/transfer to Dust Bin (6400-BN-007)
S	2.128	Heater (6400-BU-002)
S	2.129	Day Bin (6400-BN-004) discharge/transfer to CFB Ore Preheater (6400-PH-002)
S	2.130	Preheater Baghouse (6400-DC-016) discharge/transfer to Dust Bin (6400-BN-008)

1. NAC 445B.3405 (NAC 445B.316)(445.7114) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.125 – S2.130** each, shall be ducted to a control system consisting of **two (2) Baghouses: (6300-DC-016 and 6300-DC-017)** with 100% capture and a combined maximum volume flow rate of **129,331** dry standard cubic feet per minute (DSCFM), and **one (1) SO_2 scrubber control system (6400-TW-013)**; with a final exit stack of **(Exhaust Stack – (E8))**. The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of the **North CFB Preheater (S2.125 – S2.127) and South CFB Preheater (S2.128 – S2.130),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **(E8)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere from **S2.125 and S2.128** will not exceed **0.40** pound per million Btu, each.
      ii. SIP 445.732 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of PM (particulate matter) to the atmosphere from **S2.126, S2.127, S2.129 and S2.130** will not exceed **281.29** pounds per hour, combined.
      iii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.125 and S2.128** will not exceed **0.40** pound per million Btu, each.
      iv. NAC 445B.22033 *State Only Requirement* – The maximum allowable discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.126, S2.127, S2.129 and S2.130** will not exceed **281.29** pounds per hour, combined.
      v. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **5.54** pounds per hour.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **12.91** pounds per hour.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **18.11** pounds per hour.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **10.63** pounds per hour.
      ix. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **9.28** pounds per hour.
      x. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.125 and S2.128** will not exceed **42.00** pounds per hour, each.
      xi. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.125 and S2.128** will not exceed **42.00** pounds per hour, each.
      xii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **(E8)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xiii. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **(E8)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AQ. Emission Units #'s S2.125 – S2.130 (Roaster "Umbrella" Units) (Continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.125 and S2.128** each will combust pipeline quality natural gas as the primary fuel.
   b. **S2.125 and S2.128** each, may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.125 and S2.128** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air will not exceed **60.0** million Btu per any one-hour period (MMBTU/hr), each.
   d. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air for **S2.125 and S2.128** will not exceed **59,171.4** standard cubic feet per hour (SCF/hr), each.
   e. The maximum allowable throughput rate for **S2.126, S2.127, S2.129, S2.130** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   f. Hours
      S2.125 – S2.130 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.126, S2.127, S2.129, S2.130** each, on a daily basis.
      ii. Monitor and record the fuel consumption rate of natural gas for **S2.125 and S2.128** each, on a daily basis.
      iii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.125 and S2.128** each, while operating under the alternative operating scenario, on a daily basis.
      iv. Monitor and record the hours of operation for **S2.125 – S2.130** each, on a daily basis.
      v. Conduct and record an annual check of all bags contained in **Baghouses (6300-DC-016 and 6300-DC-017)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **(E8)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on **Baghouses (6300-DC-016 and 6300-DC-017)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.126, S2.127, S2.129, S2.130** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.

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Section VI. Specific Operating Conditions (continued)

AQ. Emission Units #'s S2.125 – S2.130 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      ix. Conduct and record a weekly reading of the venturi pressure drop and water flow rate of **6400-TW-013**. Record any occurrences when the venturi pressure drop or water flow rate falls outside the manufacturer's recommended operating range and record any corrective actions taken.
      x. Monitor and record the average pH for the **SO_2 scrubber (6400-TW-013)** on a daily basis to verify that the pH is within the range outlined in the operations and maintenance guidelines. The automatic set point for pH during normal operations will be above or commensurate with the average pH recorded during the most recent performance tests. The average daily pH for the **SO_2 scrubber (6400-TW-013)** shall remain at or above 5.3, or the feed to the preheaters must be shut off.
      xi. The required monitoring established in (i.) through (x.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.125 – S2.130** each are operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (d) The total daily hours of operation for the corresponding date.
         (e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.
         (f) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (g) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (h) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (d) and (f) above.
         (i) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (d) and (g) above.
         (j) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (k) The results of the weekly differential pressure readings for **Baghouses (6300-DC-016 and 6300-DC-017)**.
         (l) The results of the weekly venturi pressure drop readings and water flow rate for **SO_2 Scrubber (6400-TW-013)**.
         (m) Records and results of the annual check of bags contained in **Baghouses (6300-DC-016 and 6300-DC-017)**.
         (n) The results of the average daily pH for **SO_2 Scrubber (6400-TW-013)**.

Section VI. Specific Operating Conditions (continued)

AQ. Emission Units #'s S2.125 – S2.130 (Roaster "Umbrella" Units)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 120 days from the date of issuance of this permit, and once annually thereafter, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **(E8)** consisting of three valid runs at the maximum throughput rate subject to AQ.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in AQ.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AQ.2. of this section.
   iii. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **(E8)** while **North CFB Preheater (S2.125 – S2.127) and South CFB Preheater (S2.128 – S2.130),** are operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   iv. Performance tests required under AQ.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AQ.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   v. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **(E8)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   vi. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vii. The emissions results of the Method 5 performance test for PM and the Method 201A and Method 202 performance test for PM_{10} must be reported in lb/hour and lb/MMBtu.
   viii. Record the average pH of **SO_2 Scrubber (6400-TW-013)** during each performance test for SO_2.
   ix. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

AQ. Emission Units #'s S2.125 – S2.130 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      x. Within 60 days after completing the performance tests and opacity observations contained in AQ.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in AQ.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units) North 4515.00 km, East 568.85 km, UTM (Zone 11)

AR. System 44 - North CFB Roaster (S2.131 – S2.142) and South CFB Roaster (S2.143 – S2.154) and Regenerative Thermal Oxidizer (S2.155 – S2.156) (Exhaust Stack – (E14A))		
S	2.131	Primary Gas Heater (6400-BU-005)
S	2.132	Primary Gas Heater (6400-BU-009)
S	2.133	CFB Ore Preheater (6400-PH-001) discharge/transfer to CFB Roaster (6400-RO-001)
S	2.134	Roaster Seal Device discharge/transfer to Calcine Cooler (6400-CC-001 and 6400-CC-003)
S	2.135	Dust Bin (6400-BN-007) discharge/transfer to CFB Roaster (6400-RO-001)
S	2.136	Calcine Cooler (6400-CC-001 and 6400-CC-003) discharge/transfer to Air Cyclones (6400-CS-011 and 6400-CS-013)
S	2.137	Air Cyclones (6400-CS-011 and 6400-CS-013) discharge/transfer to Screw Conveyors
S	2.138	Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-001)
S	2.139	Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-003)
S	2.140	Waste Heat Boiler (6400-WB-001) discharge/transfer to Screw Conveyors
S	2.141	Precipitator (6500-EP-001) discharge/transfer to Screw Conveyors
S	2.142	Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-001 and 6400-CC-003)
S	2.143	Primary Gas Heater (6400-BU-004)
S	2.144	Primary Gas Heater (6400-BU-008)
S	2.145	CFB Ore Preheater (6400-PH-002) discharge/transfer to CFB Roaster (6400-RO-002)
S	2.146	Roaster Seal Device discharge/transfer to Calcine Cooler (6400-CC-002 and 6400-CC-004)
S	2.147	Dust Bin (6400-BN-008) discharge/transfer to CFB Roaster (6400-RO-002)
S	2.148	Calcine Cooler (6400-CC-002 and 6400-CC-004) discharge/transfer to Air Cyclones (6400-CS-012 and 6400-CS-014)
S	2.149	Air Cyclones (6400-CS-012 and 6400-CS-014) discharge/transfer to Screw Conveyors
S	2.150	Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-002)
S	2.151	Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-004)
S	2.152	Waste Heat Boiler (6400-WB-002) discharge/transfer to Screw Conveyors
S	2.153	Precipitator (6500-EP-002) discharge/transfer to Screw Conveyors
S	2.154	Screw Conveyor discharge/transfer to Calcine Cooler (6400-CC-002 and 6400-CC-004)
S	2.155	Thermal Oxidizer Heater (6600-BU-011), Burner #1
S	2.156	Thermal Oxidizer Heater (6600-BU-011), Burner #2

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units) (Continued)

1. NAC 445B.3405 (NAC 445B.316)(445.7114) *Part 70 Program*
   Air Pollution Equipment
   a. Emissions from **S2.131 – S2.156** each, shall be controlled by a control system depicted in **Table 1** below, and consisting of the following: **Gas Cooling and Cleaning and Sulfuric Acid Production Plant**, rated at a maximum volume flow rate of **39,600** dry standard cubic feet per minute (DSCFM), with a final exit through the **Regenerative Thermal Oxidizer** to **(Exhaust Stack – (E14A))**, rated at a maximum volume flow rate of **19,800** dry standard cubic feet per minute (DSCFM). At any given time during operation, at least 1 of the 2 absorption towers (6600-TW-006 and 6600-TW-007) and at least 1 of the 2 Wet Electrostatic Precipitators (6500-EP-003 and 6500-EP-004) must be operated.

TABLE 1

Gas Cooling and Cleaning	***Sulfuric Acid Production Plant***
Waste Heat Boiler (6400-WB-001)	*SO_2 Drying Tower (6500-TW-005)*
Waste Heat Boiler (6400-WB-002)	*Heat Exchanger (6600-HX-010)*
Hot Gas Precipitator (6500-EP-001)	*Heat Exchanger (6600-HX-011)*
Hot Gas Precipitator (6500-EP-002)	*SO_2 Converter Vessel (6600-RE-001)*
Wash Tower (6500-TW-001)	*Intermediate Adsorption Tower (6600-TW-006)*
Gas Cooler/Heat Exchanger (6500-HX-004)	*Final Adsorption Tower (6600-TW-007)*
Gas Cooler/Heat Exchanger (6500-HX-005)	*SO_2 Scrubber (6600-TW-008)*
Wet Electrostatic Precipitator (6500-EP-003)	
Wet Electrostatic Precipitator (6500-EP-004)	***Regenerative Thermal Oxidizer** (6600-BU-011)*
Fluorine Tower (6500-TW-002)	
Mercury Removal Tower (6500-TW-003)	

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units) (Continued)

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of the **CFB North Roaster (S2.131 – S2.142) and South CFB Roaster (S2.143 – S2.154) and Regenerative Thermal Oxidizer (S2.155 – S2.156)**, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **(E14A)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere from **S2.131, S2.132, and S2.143, S2.144** will not exceed **0.58** pound per million Btu, each.
      ii. SIP 445.732 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of PM (particulate matter) to the atmosphere from **S2.133 – S2.142, S2.145 – S2.154** will not exceed **70.32** pounds per hour, each.
      iii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.131, S2.132, and S2.143, S2.144** will not exceed **0.58** pound per million Btu, each.
      iv. NAC 445B.22033 *State Only Requirement* – The maximum allowable discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.133 – S2.142, S2.145 – S2.154** will not exceed **70.32** pounds per hour, each.
      v. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere from **S2.155 – S2.156** will not exceed **0.74** pound per million Btu, each.
      vi. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.155 – S2.156** will not exceed **0.74** pound per million Btu, each.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **3.70** pounds per hour.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **39.53** pounds per hour.
      ix. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **13.22** pounds per hour.
      x. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **24.18** pounds per hour.
      xi. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.70** pound per hour.
      xii. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.131 – S2.132, and S2.143 – S2.144** will not exceed **8.33** pounds per hour, each.
      xiii. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmoshphere from **S2.131 – S2.132, and S2.143 – S2.144** will not exceed **8.33** pounds per hour, each.
      xiv. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.155 – S2.156** will not exceed **2.80** pounds per hour, each.
      xv. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmoshphere from **S2.155 – S2.156** will not exceed **2.80** pounds per hour, each.
      xvi. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **(E14A)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xvii. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **(E14A)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units) (Continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.131, S2.132, S2.143, S2.144, S2.155 and S2.156** each, will combust pipeline quality natural gas as the primary fuel.
   b. **S2.131, S2.132, S2.143, S2.144, S2.155 and S2.156** each, may combust a fuel blend of natural gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.131, S2.132, S2.143, S2.144** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **11.9** million Btu, per any one-hour period (MMBTU/hr), each.
   d. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air for **S2.131, S2.132, S2.143, S2.144,** will not exceed **11,700.0** standard cubic feet per hour (SCF/hr), each.
   e. The maximum operating heat input for **S2.155 – S2.156** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **4.0** million Btu per any one-hour period (MMBTU/hr), each.
   f. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air for **S2.155 – S2.156,** will not exceed **3,960.0** standard cubic feet per hour (SCF/hr), each.
   g. The maximum allowable throughput rate for **S2.133 – S2.142, S2.145 – S2.154** each, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   h. Hours
      S2.131 – S2.156 each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.133 – S2.142, S2.145 – S2.154** each, on a daily basis.
      ii. Monitor and record the fuel consumption rate of natural gas for **S2.131, S2.132, S2.143, S2.144, S2.155 and S2.156** each, on a daily basis.
      iii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.131, S2.132, S2.143, S2.144, S2.155 and S2.156** each, while operating under the alternative operating scenario, on a daily basis.
      iv. Monitor and record the hours of operation for **S2.131 – S2.156** each, on a daily basis.
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **(E14A)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. Monitor and record the **Regenerative Thermal Oxidizer** operating temperature on a daily basis, and verify that the **Regenerative Thermal Oxidizer** is operated in accordance with the manufacturer's specifications. The operating temperature of the **Regenerative Thermal Oxidizer** shall remain at or above 1280 degrees Farenheit or the feed to the **CFB North Roaster (S2.131 – S2.142) and South CFB Roaster (S2.143 – S2.154)** each, must be shut off.
      vii. Monitor and record the average SO_2 concentration (in parts per million) emitted from the SO_2 Scrubber **(6600-TW-008)** on a daily basis to verify that the operation of the scrubber is within operations and maintenance guidelines. The average SO_2 concentration will not exceed the maximum SO_2 concentration recorded from Scrubber **(6600-TW-008)** during the most recent performance tests for SO_2.
      viii. Monitor and record the pressure drop across the **Gas Cooling and Cleaning Plant** on a weekly basis. Record any occurrences when the pressure drop falls outside the manufacturer's recommended operating range and record any corrective actions taken.

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      ix. The required monitoring established in (i.) through (viii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.131 – S2.156** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (d) The total daily hours of operation for the corresponding date.
         (e) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (c) and (d) above.
         (f) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (g) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (h) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (d) and (f) above.
         (i) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (d) and (g) above.
         (j) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (k) The results of the daily operating temperature for the **Regenerative Themal Oxidizer**.
         (l) The results of the weekly pressure drop readings for the **Gas Cooling and Cleaning Plant**
         (m) The results of the average daily SO_2 concentration (in parts per million) emitted from SO_2 Scrubber **(6600 -TW-008)**.

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 120 days from the date of issuance of this permit, and once annually thereafter, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **(E14A)** consisting of three valid runs at the maximum throughput rate subject to AR.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in AR.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AR.2. of this section.
   iii. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **(E14A)** while **CFB North Roaster (S2.131 – S2.142) and South CFB Roaster (S2.143 – S2.154) and Regenerative Thermal Oxidizer (S2.155 – S2.156),** are operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   iv. Performance tests required under AR.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AR.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   v. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **(E14A)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   vi. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vii. The emissions results of the Method 5 performance test for PM and the Method 201A and Method 202 performance test for PM_{10} must be reported in lb/hour and lb/MMBtu.
   viii. Record the SO_2 concentration (in parts per million) emitted from SO_2 Scrubber **(6600 -TW-008)** during each performance test for SO_2.
   ix. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

AR. Emission Units #'s S2.131 – S2.156 (Roaster "Umbrella" Units) (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      x. Within 60 days after completing the performance tests and opacity observations contained in AR.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in AR.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AS. Emission Unit # S2.157 North 4515.07 km, East 568.88 km, UTM (Zone 11)

AS. System 45 - Acid Plant Startup Heater (S2.157)		
S	2.157	Acid Plant Startup Heater (6600-BU-010), Burner #10 **(Revised: March 23, 2007)**

1. NAC 445B.3405 (NAC 445B.316)(445.7114) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.157** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of the **Acid Plant Startup Heater (S2.157),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Acid Plant Startup Heater (S2.157)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere from **S2.157** will not exceed **0.53** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.157** will not exceed **0.53** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.23** pound per hour, nor more than **0.61** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.16** pound per hour, nor more than **0.43** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **2.34** pounds per hour, nor more than **6.23** tons per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.59** pound per hour, nor more than **1.56** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.09** pound per hour, nor more than **0.25** ton per year.
      viii. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.157** will not exceed **11.86** pounds per hour.
      ix. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.157** will not exceed **11.86** pounds per hour.
      x. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Acid Plant Startup Heater (S2.157)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xi. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Acid Plant Startup Heater (S2.157)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

AS. Emission Unit # S2.157 (Continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.157** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.157** may combust a fuel blend of natural gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.157** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **16.949** million Btu per any one-hour period (MMBTU/hr).
   d. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.157** will not exceed **16,714.8** standard cubic feet per hour (SCF/hr).
   e. The maximum annual consumption of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.157** will not exceed **89.00** million standard cubic feet total per calendar year (MMSCF/yr).
   f. Hours
      S2.157 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the fuel consumption rate of natural gas for **S2.157** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.157** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.157** on a daily basis.
      iv. Conduct and record an annual visible emission inspection on the exhaust stack of **Acid Plant Startup Heater (S2.157)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.157** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the annual visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

AS. Emission Unit # S2.157 (Continued)

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
Shielded Requirements

No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AT. Emission Unit # S2.401 location North 4514.98 km, East 569.09 km, UTM (Zone 11)

AT. System 46 – ROTP/Mill 6 Cooling Tower		
S	2.401	ROTP/Mill 6 two-cell counterflow Cooling Tower (Model & Serial Numbers not provided by Facility)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.401** shall be ducted to a control system consisting of **drift eliminators** (manufactured by Prichard (Marley)) with a 0.005% drift loss efficiency.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.401**, the permittee will not discharge or cause the discharge into the atmosphere from **S2.401**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.75** pound per hour combined, nor more than **3.27** tons per year combined, based on a 12-month rolling period.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.75** pound per hour combined, nor more than **3.27** tons per year combined, based on a 12-month rolling period.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **S2.401** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **S2.401** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for the addition of makeup water to **S2.401** will not exceed **600** gallons of **makeup water** per any one-minute period, averaged on a daily basis.
   b. Hours
      S2.401 may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

AT. Emission Unit # S2.401 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of additional makeup water for **S2.401** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.401** on a daily basis.
      iii. Conduct and record a weekly visible emission inspection on **S2.401**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.401** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of makeup water, in gallons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of additional makeup water, in gallons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

AU. Emission Units #'s S2.158 – S2.159 location North 4515.05 km, East 568.89 km, UTM (Zone 11)

AU. System 47 - North Calcine Quench (Normal Operating Conditions)		
S	2.158	Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S	2.159	Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.158 – S2.159** each, shall be ducted to a control system consisting of **two (2) Wet Scrubbers (6400-DC-21 and 6400-DC-23)** operating in series, with 100% capture and a maximum combined volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM); with a final exit stack from one (1) **Wet Scrubber (6400-DC-23)**. The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.158 – S2.159,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (6400-DC-23)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than **4.55** tons per year combined, based on a 12-month rolling period. This limit is less than the **70.32** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited in AU.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than **4.55** tons per year combined, based on a 12-month rolling period. This limit is less than the **70.32** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited in AU.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Wet Scrubber (6400-DC-23)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Wet Scrubber (6400-DC-23)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.158 – S2.159** and **S2.160 – S2.161** combined, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.158 – S2.159 each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

AU. Emission Units #'s S2.158 – S2.159 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **S2.158 - S2.159** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.158 - S2.159** each, on a daily basis.
      iii. Conduct and record a weekly visible emission inspection on the exhaust stack of **Wet Scrubber (6400-DC-23)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.158 - S2.159** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

AU. Emission Units #'s S2.158 – S2.159 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Wet Scrubber (6400-DC-23)** consisting of three valid runs at the maximum throughput rate subject to AU.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
      ii. The Method 201A and Method 202 tests required in AU.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AU.2. of this section.
      iii. Performance tests required under AU.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AU.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Wet Scrubber (6400-DC-23)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AV. Emission Units #'s S2.158A – S2.159A location North 4515.05 km, East 568.89 km, UTM (Zone 11)

AV. System 48 - Alternative Operating Scenario - North Calcine Quench (Maintenance Conditions #1)		
S	2.158A	Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S	2.159A	Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.158A – S2.159A** each, shall be ducted to a control system consisting of two (2) **Wet Scrubbers (6400-DC-21 and 6400-DC-23)** operating in parallel; with 100% capture and a maximum volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM) each, and a final emissions discharge to the atmosphere exiting from the exhaust stacks of 2 **Wet Scrubbers (6400-DC-21 and 6400-DC-23)** operating in parallel. The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.158A – S2.159A**, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stacks of 2 **Wet Scrubbers (6400-DC-21 and 6400-DC-23)** operating in parallel, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AU.2.a. i**. of this section. This limit is less than the **47.8** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in AV.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AU.2.a. ii**. of this section. This limit is less than the **47.8** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in AV.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stacks of 2 **Wet Scrubbers (6400-DC-21 and 6400-DC-23)** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stacks of 2 **Wet Scrubbers (6400-DC-21 and 6400-DC-23)** each, will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.158A – S2.159A** combined, will not exceed **70.0** tons of **as fed ore** per any one-hour period while operating under this alternative operating scenario.
   b. Hours
      S2.158A – S2.159A each, will not operate in excess of **500.0** hours per calendar year, while operating under this alternative operating scenario.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AV. Emission Units #'s S2.158A – S2.159A (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
      ii. Monitor and record the throughput rate of as fed ore for **S2.158A - S2.159A** each, on a daily basis, when operating under this alternative operating scenario.
      iii. Monitor and record the hours of operation for **S2.158A - S2.159A** each, on a daily basis, when operating under this alternative operating scenario.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.158A – S2.159A** each, on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in AU.2.a.i. and ii. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in AV.4.a.iii. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

         Hourly emissions rate for **S2.158A – S2.159A** each, while operating under this alternative operating scenario:
         PM_{10} = 1.87 lbs-PM_{10}/hr
         PM = 1.87 lbs-PM/hr

      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.158A - S2.159A** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      vi. If **S2.158A – S2.159A** each, are operated more than 500 hours per calendar year while operating under this alternative operating scenario, the permittee will, within 90 days of reaching the 500 hours, conduct the emissions test outlined in AU.4.b.i. through AU.4.b.vi. of this section.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AW. Emission Units #'s S2.158B – S2.159B location North 4515.05 km, East 568.89 km, UTM (Zone 11)

AW. System 49 - Alternative Operating Scenario - North Calcine Quench (Maintenance Conditions #2)		
S	2.158B	Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S	2.159B	Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.158B** and **S2.159B**, shall be ducted to a control system consisting of one (1) **Wet Scrubber (6400-DC-21 or 6400-DC-023)**; with 100% capture and a maximum volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.158B – S2.159B**, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (6400-DC-21 or 6400-DC-023)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AU.2.a. i**. of this section. This limit is less than the **133.77** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in AW.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AU.2.a. ii**. of this section. This limit is less than the **133.77** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in AW.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Wet Scrubber (6400-DC-21 or 6400-DC-023)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Wet Scrubber (6400-DC-21 or 6400-DC-023)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.158B – S2.159B** combined, will not exceed **70.0** tons of **as fed ore** per any one-hour period while operating under this alternative operating scenario.
   b. Hours
      S2.158B – S2.159B each, will not operate in excess of **500.0** hours per calendar year, while operating under this alternative operating scenario.

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Section VI. Specific Operating Conditions (continued)

AW. Emission Units #'s S2.158B – S2.159B (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
      ii. Monitor and record the throughput rate of as fed ore for **S2.158B - S2.15B** each, on a daily basis, when operating under this alternative operating scenario.
      iii. Monitor and record the hours of operation for **S2.158B - S2.159B** each, on a daily basis, when operating under this alternative operating scenario.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.158B – S2.159B** each, on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in AU.2.a.i. and ii. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in AW.4.a.iii. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

         Hourly emissions rate for **S2.158B – S2.159B** each, while operating under this alternative operating scenario:
         PM_{10} = 1.87 lbs-PM_{10}/hr
         PM = 1.87 lbs-PM/hr

      v. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.158B - S2.159B** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      vi. If **S2.158B – S2.159B** each, are operated more than 500 hours per calendar year while operating under this alternative operating scenario, the permittee will, within 90 days of reaching the 500 hours, conduct the emissions test outlined in AU.4.b.i. through AU.4.b.vi. of this section.

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Section VI. Specific Operating Conditions (continued)

AX. Emission Units #'s S2.158C – S2.159C location North 4515.05 km, East 568.89 km, UTM (Zone 11)

AX. System 50 - Alternative Operating Scenario - North Calcine Quench (Maintenance Conditions #3)		
S	2.158C	Calcine Cooler (6400-CC-001) discharge/transfer to Quench Tank (6400-TK-001)
S	2.159C	Calcine Cooler (6400-CC-003) discharge/transfer to Quench Tank (6400-TK-003)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.158C or S2.159C** each, shall be ducted to a control system consisting of one (1) **Wet Scrubber (6400-DC-21 or 6400-DC-023)**, with 100% capture and a maximum volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.158C – S2.159C**, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (6400-DC-21 or 6400-DC-023)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AU.2.a. i**. of this section. This limit is less than the **45.5** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in AX.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AU.2.a. ii**. of this section. This limit is less than the **45.5** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in AX.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Wet Scrubber (6400-DC-21 or 6400-DC-023)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Wet Scrubber (6400-DC-21 or 6400-DC-023)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.158C or S2.159C**, will not exceed **55.0** tons of **as fed ore** per any one-hour period while operating under this alternative operating scenario.
   b. Hours
      S2.158C – S2.159C each, will not operate in excess of **500.0** hours per calendar year, while operating under this alternative operating scenario.

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Section VI. Specific Operating Conditions (continued)

AX. Emission Units #'s S2.158C – S2.159C (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
      ii. Monitor and record the throughput rate of as fed ore for **S2.158C - S2.15C** each, on a daily basis, when operating under this alternative operating scenario.
      iii. Monitor and record the hours of operation for **S2.158C - S2.159C** each, on a daily basis, when operating under this alternative operating scenario.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.158C – S2.159C** each, on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in AU.2.a.i. and ii. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in AX.4.a.iii. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

         Hourly emissions rate for **S2.158C – S2.159C** each, while operating under this alternative operating scenario:
         PM_{10} = 0.99 lb-PM_{10}/hr
         PM = 0.99 lb-PM/hr

      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.158C - S2.159C** each, are operating:
         (i) The calendar date of any required monitoring.
         (j) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      vi. If **S2.158C – S2.159C** each, are operated more than 500 hours per calendar year while operating under this alternative operating scenario, the permittee will, within 90 days of reaching the 500 hours, conduct the emissions test outlined in AU.4.b.i. through AU.4.b.vi. of this section.

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Section VI. Specific Operating Conditions (continued)

AY. Emission Units #'s S2.160 – S2.161 location North 4515.05 km, East 568.89 km, UTM (Zone 11)

AY. System 51 - South Calcine Quench (Normal Operating Conditions)		
S	2.160	Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S	2.161	Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.160 – S2.161** each, shall be ducted to a control system consisting of **two (2) Wet Scrubbers (6400-DC-20 and 6400-DC-22)** operating in series with 100% capture and a maximum combined volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM) with a final exit stack from **Wet Scrubber (6400-DC-22)**. The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.160 – S2.161,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (6400-DC-22)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than **4.55** tons per year combined, based on a 12-month rolling period. This limit is less than the **70.32** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited in AY.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than **4.55** tons per year combined, based on a 12-month rolling period. This limit is less than the **70.32** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited in AY.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Wet Scrubber (6400-DC-22)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Wet Scrubber (6400-DC-22)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.160 – S2.161** and **S2.158 – S2.159** combined, will not exceed **560.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.160 – S2.161 each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

AY. Emission Units #'s S2.160 – S2.161 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **S2.160 - S2.161** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.160 - S2.161** each, on a daily basis.
      iii. Conduct and record a weekly visible emission inspection on the exhaust stack of **Wet Scrubber (6400-DC-22)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.160 - S2.161** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

AY. Emission Units #'s S2.160 – S2.161 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Wet Scrubber (6400-DC-22)** consisting of three valid runs at the maximum throughput rate subject to AY.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
      ii. The Method 201A and Method 202 tests required in AY.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in AY.2. of this section.
      iii. Performance tests required under AY.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in AY.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Wet Scrubber (6400-DC-22)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AZ. Emission Units #'s S2.160A – S2.161A location North 4515.05 km, East 568.89 km, UTM (Zone 11)

AZ. System 52 - Alternative Operating Scenario - South Calcine Quench (Maintenance Conditions #1)		
S	2.160A	Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S	2.161A	Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.160A – S2.161A** each, shall be ducted to a control system consisting of two (2) **Wet Scrubbers (6400-DC-20 and 6400-DC-22)** operating in parallel, with 100% capture and a maximum volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM) each, and a final emissions exit to the atmosphere discharging from 2 **Wet Scrubbers (6400-DC-20 and 6400-DC-22)**. The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.160A – S2.161A**, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stacks of **Wet Scrubbers (6400-DC-20 and 6400-DC-22)** operating in parallel, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **VI.AY.2.a. i**. of this section. This limit is less than the **133.77** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in AZ.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **VI.AY.2.a. ii**. of this section. This limit is less than the **133.77** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in AZ.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stacks of **Wet Scrubbers (6400-DC-20 and 6400-DC-22)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stacks of **Wet Scrubbers (6400-DC-20 and 6400-DC-22)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.160A – S2.161A** combined, will not exceed **70.0** tons of **as fed ore** per any one-hour period while operating under this alternative operating scenario.
   b. Hours
      S2.160A – S2.161A each, will not operate in excess of **500.0** hours per calendar year, while operating under this alternative operating scenario.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

AZ. Emission Units #'s S2.160A – S2.161A (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
      ii. Monitor and record the throughput rate of as fed ore for **S2.160A - S2.161A** each, on a daily basis, when operating under this alternative operating scenario.
      iii. Monitor and record the hours of operation for **S2.160A - S2.161A** each, on a daily basis, when operating under this alternative operating scenario.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.160A – S2.161A** each, on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in AY.2.a.i. and ii. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in AZ.4.a.iii. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

         Hourly emissions rate for **S2.160A – S2.161A** each, while operating under this alternative operating scenario:
         PM_{10} = 1.87 lbs-PM_{10}/hr
         PM = 1.87 lbs-PM/hr

      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.160A - S2.161A** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      vii. If **S2.160A – S2.161A** each, are operated more than 500 hours per calendar year while operating under this alternative operating scenario, the permittee will, within 90 days of reaching the 500 hours, conduct the emissions test outlined in AY.4.b.i. through AY.4.b.vi. of this section.

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Section VI. Specific Operating Conditions (continued)

BA. Emission Units #'s S2.160B – S2.161B location North 4515.05 km, East 568.89 km, UTM (Zone 11)

BA. System 53 - Alternative Operating Scenario - South Calcine Quench (Maintenance Conditions #2)		
S	2.160B	Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S	2.161B	Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.160B** and **S2.161B**, shall be ducted to a control system consisting of one (1) **Wet Scrubber (6400-DC-20 or 6400-DC-22)** operating in isolation, with 100% capture and a maximum volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM) each, with a final emissions exit to the atmosphere discharging from **Wet Scrubber (6400-DC-20)** operating in isolation. The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.160B – S2.161B**, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (6400-DC-20 or 6400-DC-22)** operating in isolation, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AY.2.a. i**. of this section. This limit is less than the **47.8** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in BA.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.87** pounds per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in **VI.AY.2.a. i**. of this section This limit is less than the **47.8** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in BA.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Wet Scrubber (6400-DC-20 or 6400-DC-22)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Wet Scrubber (6400-DC-20 or 6400-DC-22)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.160B – S2.161B** combined, will not exceed **70.0** tons of **as fed ore** per any one-hour period while operating under this alternative operating scenario.
   b. Hours
      S2.160B – S2.161B each, will not operate in excess of **500.0** hours per calendar year, while operating under this alternative operating scenario.

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Section VI. Specific Operating Conditions (continued)

BA. Emission Units #'s S2.160B – S2.161B (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
      ii. Monitor and record the throughput rate of as fed ore for **S2.160B - S2.161B** each, on a daily basis, when operating under this alternative operating scenario.
      iii. Monitor and record the hours of operation for **S2.160B - S2.161B** each, on a daily basis, when operating under this alternative operating scenario.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.160B – S2.161B** each, on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These emissions will be added to the emissions records required in AY.2.a.i. and ii. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in BA.4.a.iii. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

         Hourly emissions rate for **S2.160B – S2.161B** each, while operating under this alternative operating scenario:
         PM_{10} = 1.87 lbs-PM_{10}/hr
         PM = 1.87 lbs-PM/hr

      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.160B - S2.161B** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      vi. If **S2.160B – S2.161B** each, are operated more than 500 hours per calendar year while operating under this alternative operating scenario, the permittee will, within 90 days of reaching the 500 hours, conduct the emissions test outlined in AY.4.b.i. through AY.4.b.vi. of this section.

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Section VI. Specific Operating Conditions (continued)

BB. Emission Units #'s S2.160C – S2.161C location North 4515.05 km, East 568.89 km, UTM (Zone 11)

BB. System 54 - Alternative Operating Scenario - North Calcine Quench (Maintenance Conditions #3)		
S	2.160C	Calcine Cooler (6400-CC-002) discharge/transfer to Quench Tank (6400-TK-002)
S	2.161C	Calcine Cooler (6400-CC-004) discharge/transfer to Quench Tank (6400-TK-004)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.160C or S2.161C**, shall be ducted to a control system consisting of one (1) **Wet Scrubber (6400-DC-20 or 6400-DC-22)**, with 100% capture and a maximum volume flow rate of **10,000** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.160C – S2.161C**, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Wet Scrubber (6400-DC-20 or 6400-DC-22)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AY.2.a. i**. of this section. This limit is less than the **133.77** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in BB.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.99** pound per hour combined, nor more than the ton per year emission rate, based on a 12-month rolling period, as established in**VI.AY.2.a. ii**. of this section. This limit is less than the **133.77** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in BB.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Wet Scrubber (6400-DC-20 or 6400-DC-22)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Wet Scrubber (6400-DC-20 or 6400-DC-22)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.160C or S2.161C**, will not exceed **55.0** tons of **as fed ore** per any one-hour period while operating under this alternative operating scenario.
   b. Hours
      S2.160C – S2.161C each, will not operate in excess of **500.0** hours per calendar year, while operating under this alternative operating scenario.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BB. Emission Units #'s S2.160C – S2.161C (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
      ii. Monitor and record the throughput rate of as fed ore for **S2.160C - S2.161C** each, on a daily basis, when operating under this alternative operating scenario.
      iii. Monitor and record the hours of operation for **S2.160C - S2.161C** each, on a daily basis, when operating under this alternative operating scenario.
      iv. Calculate and record the cumulative annual PM and PM_{10} emissions for **S2.160C – S2.161C** each, on a monthly basis for each 12-month rolling period, while operating under this alternative operating scenario. These, emissions will be added to the emissions records required in AY.2.a.i. and ii. of this section. The annual emissions will be calculated by multiplying the monthly hours of operation required in BB.4.a.iii. of this section, by the appropriate hourly emissions rate established below, and converted to tons of emissions per year.

         Hourly emissions rate for **S2.160C – S2.161C** each, while operating under this alternative operating scenario:
         PM_{10} = 0.99 lb-PM_{10}/hr
         PM = 0.99 lb-PM/hr

      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.158C - S2.159C** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      vi. If **S2.160C – S2.161C** each, are operated more than 500 hours per calendar year while operating under this alternative operating scenario, the permittee will, within 90 days of reaching the 500 hours, conduct the emissions test outlined in AY.4.b.i. through AY.4.b.vi. of this section.

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Section VI. Specific Operating Conditions (continued)

BC. Emission Unit # 2.162 location North 4514.79 km, East 568.51 km, UTM (Zone 11)

BC. System 55 - Mill 6 Lime Storage		
S	2.162	Lime Bin – Loading (6800-BN-09)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.162** shall be ducted to a control system consisting of **Baghouse (6800-DC-025)** with 100% capture and a maximum volume flow rate of **1,640** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.162,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6800-DC-025)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.35** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in BC.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.35** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in BC.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6800-DC-025)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6800-DC-025)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.162** will not exceed **60.0** tons of **lime** per any one-hour period.
   b. Hours
      S2.162 may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

BC. Emission Unit # S2.162 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of lime, in tons for **S2.162** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.162** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (6800-DC-025)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (6800-DC-025)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6800-DC-025)** during silo loading and indicate whether any visible emission was observed. If no visible emissions are observed during the survey of **Baghouse (6800-DC-025)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.162** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of lime, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of lime, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (6800-DC-025)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BD. Emission Unit # 2.163 location North 4515.04 km, East 568.88 km, UTM (Zone 11)

BD. System 56 - CFB North Roaster Lime/Soda Ash Storage		
S	2.163	Bin - Loading (6400-BN-005)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.163** shall be ducted to a control system consisting of **Baghouse (6400-DC-019)** with 100% capture and a maximum volume flow rate of **1,300** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.163,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6400-DC-019)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.35** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in BD.3.a. of this section.
      ii. NAC 445B.305 (445.7075) *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.35** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited in BD.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6400-DC-019)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6400-DC-019)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.163** will not exceed **60.0** tons of **lime/soda ash** per any one-hour period.
   b. Hours
      S2.163 may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

BD. Emission Unit # S2.163 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of lime/soda ash, in tons for **S2.163** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.163** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (6400-DC-019)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (6400-DC-019)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6400-DC-019)** during silo loading and indicate whether any visible emission was observed. If no visible emissions are observed during the survey of **Baghouse (6400-DC-019)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.163** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of lime/soda ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of lime/soda ash, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (6400-DC-019)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BE. Emission Unit # 2.164 location North 4515.02 km, East 568.88 km, UTM (Zone 11)

BE. System 57 - CFB South Roaster Lime/Soda Ash Storage		
S	2.164	Bin - Loading (6400-BN-006)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.164** shall be ducted to a control system consisting of **Baghouse (6400-DC-018)** with 100% capture and a maximum volume flow rate of **1,300** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.164,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (6400-DC-018)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.35** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by BE.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.35** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by BE.3.a. of this section
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (6400-DC-018)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (6400-DC-018)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.164** will not exceed **60.0** tons of **lime/soda ash** per any one-hour period.
   b. Hours
      S2.164 may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

BE. Emission Unit # S2.164 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of lime/soda ash, in tons for **S2.164** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.164** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (6400-DC-018)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (6400-DC-018)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (6400-DC-018)** during silo loading and indicate whether any visible emission was observed. If no visible emissions are observed during the survey of **Baghouse (6400-DC-018)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.164** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of lime/soda ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of lime/soda ash, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (6400-DC-018)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BF. Emission Unit # S2.165 location North 4515.01 km, East 568.89 km, UTM (Zone 11)

BF. System 58 - CFB North Roaster Oxygen Preheater		
S	2.165	Oxygen Preheater (6400-BU-007)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.165** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.165,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **CFB North Roaster Oxygen Preheater (6400-BU-007)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.65** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.65** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.36** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.36** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.07** pound per hour, nor more than **0.29** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.68** pounds per hour, nor more than **2.98** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.50** pounds per hour, nor more than **2.19** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.07** pound per hour, nor more than **0.32** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.165** will not exceed **4.84** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.165** will not exceed **4.84** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **CFB North Roaster Oxygen Preheater (6400-BU-007)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **CFB North Roaster Oxygen Preheater (6400-BU-007)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BF. Emission Unit # S2.165 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.165** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.165** may combust a fuel blend of natural gas and propane/air as an alternative operating scenario.
   c. The maximum operating heat input for **S2.165** while combusting natural gas or while operating under the alternative operating sceanario of a fuel blend of natural gas and propane/air will not exceed **6.91** million Btu per any one-hour period (MMBTU/hr).
   d. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air for **S2.165** will not exceed **6,814.8** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.165 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the fuel consumption rate of natural gas for **S2.165** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.165**, while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.165** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **CFB North Roaster Oxygen Preheater (6400-BU-007)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

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Section VI. Specific Operating Conditions (continued)

BF. Emission Unit # S2.165 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.165** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas in standard cubic feet per hour. The average hourly natural gas fuel consumption rate will be determined from the daily natural gas fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BF. Emission Unit # S2.165 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **CFB North Roaster Oxygen Preheater (6400-BU-007)** while **CFB North Roaster Oxygen Preheater (6400-BU-007)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   ii. Performance tests required under BF.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BF.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **CFB North Roaster Oxygen Preheater (6400-BU-007)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BF. Emission Unit # S2.165 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BF.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BF.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BG. Emission Unit # S2.166 location North 4515.05 km, East 568.87 km, UTM (Zone 11)

BG. System 59 - CFB South Roaster Oxygen Preheater		
S	2.166	Oxygen Preheater (6400-BU-006)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.166** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.166,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **CFB South Roaster Oxygen Preheater (6400-BU-006)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.65** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.65** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.36** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.36** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.07** pound per hour, nor more than **0.29** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.68** pounds per hour, nor more than **2.98** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.50** pounds per hour, nor more than **2.19** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.07** pound per hour, nor more than **0.32** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.166** will not exceed **4.84** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.166** will not exceed **4.84** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **CFB South Roaster Oxygen Preheater (6400-BU-006)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **CFB South Roaster Oxygen Preheater (6400-BU-006)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BG. Emission Unit # S2.166 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.166** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.166** may combust a fuel blend of natural gas and propane/air as an alternative operating scenario.
   c. The maximum operating heat input for **S2.166** while combusting natural gas or while operating under the alternative operating sceanario of a fuel blend of natural gas and propane/air will not exceed **6.91** million Btu per any one-hour period (MMBTU/hr).
   d. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air for **S2.166** will not exceed **6,814.8** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.166 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.166** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.166**, while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.166** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **CFB South Roaster Oxygen Preheater (6400-BU-006)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

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Section VI. Specific Operating Conditions (continued)

BG. Emission Unit # S2.166 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.166** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas in standard cubic feet per hour. The average hourly natural gas fuel consumption rate will be determined from the daily natural gas fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BG. Emission Unit # S2.166 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **CFB South Roaster Oxygen Preheater (6400-BU-006)** while **CFB South Roaster Oxygen Preheater (6400-BU-006)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      ii. Performance tests required under BG.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BG.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **CFB South Roaster Oxygen Preheater (6400-BU-006)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BG. Emission Unit # S2.166 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BG.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BG.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BH. Emission Units #'s S2.167 – S2.168 location North 4515.08 km, East 568.92 km, UTM (Zone 11)

BH. System 60 - Liquid Sulfur/Acid Tank Heaters		
S	2.167	Tank Heater (6100-BO-001)
S	2.168	Tank Heater (6100-BO-002)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.167 – S2.168** each, shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Liquid Sulfur/Acid Tank Heaters (S2.167 – S2.168),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stacks of **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.73** pound per million Btu, each.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.73** pound per million Btu, each.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.05** pound per hour each, nor more than **0.22** ton per year, each.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.05** pound per hour each, nor more than **0.22** ton per year, each.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.04** pound per hour each, nor more than **0.174** ton per year, each.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.41** pounds per hour each, nor more than **1.81** tons per year, each.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.17** pounds per hour each, nor more than **0.76** ton per year, each.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.044** pound per hour each, nor more than **0.19** ton per year, each.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.167 – 2.168** will not exceed **2.94** pounds per hour, each.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmoshphere from **S2.167 – 2.168** will not exceed **2.94** pounds per hour, each.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from exhaust stacks of **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from exhaust stacks of **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)** each, will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BH. Emission Units #'s S2.167 – S2.168 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.167 – S2.168** each, will combust pipeline quality natural gas as the primary fuel.
   b. **S2.167 – S2.168** each, may combust a fuel blend of natural gas and propane/air as an alternative operating scenario
   c. The maximum operating heat input for **S2.167 – S2.168** while combusting natural gas or while operating under the alternative operating sceanario of a fuel blend of natural gas and propane/air will not exceed **4.20** million Btu per any one-hour period (MMBTU/hr), each.
   d. The maximum consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air for **S2.167 – S2.168** will not exceed **4,141.8** standard cubic feet per hour (SCF/hr), each.
   e. Hours
      S2.167 – S2.168 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.167 – S2.168** each, on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.167 – S2.168** each, while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.167 – S2.168** each, on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stacks of **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)** each; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BH. Emission Units #'s S2.167 – S2.168 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.167 – S2.168** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas in standard cubic feet per hour. The average hourly natural gas fuel consumption rate will be determined from the daily natural gas fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BH. Emission Units #'s S2.167 – S2.168 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stacks of **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)** each consisting of three valid runs at the maximum throughput rate subject to BH.3. of this section:
   ii. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stacks of **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)** each while **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)** are operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   iii. Performance tests required under BH.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BH.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iv. Conduct and record a Method 9 visible emissions reading on the exhaust stacks of **Liquid Sulfur/Acid Tank Heaters (6100-BO-001 & 6100-BO-002)** each concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BH. Emission Units #'s S2.167 – S2.168 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vii. Within 60 days after completing the performance tests and opacity observations contained in BH.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BH.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BI. Emission Unit # PF1.035 location: Portable (within the Gold Quarry Operations Area)

BI. System 61 - Gold Quarry Bioleach Test Project - Mixer		
PF	1.035	Mixer (BLM-002)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.035** shall be controlled by maintaining a minimum ore moisture content of 7% by weight.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.035,** the permittee will not discharge or cause the discharge into the atmosphere from **Mixer (BLM-002)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.03** ton per year, based on a 12-month rolling period. This limit is less than the **77.59** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by BI.3.a. of this section.
      ii. NAC 445B.305 (445.7075) *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.17** pound per hour, nor more than **0.09** ton per year, based on a 12-month rolling period. This limit is less than the **77.59** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by BI.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.035** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.035** will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR, Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 61** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.035** will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.035** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

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Section VI. Specific Operating Conditions (continued)

BI. Emission Unit # PF1.035 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.035** will not exceed **1000.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.035** will not exceed **1,000,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.035 may operate a total of **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.035** on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.035** on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.035** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Monitor and record the ore moisture content of the as fed ore for **PF1.035** on a daily basis.
      v. Conduct and record a weekly visible emission inspection on **PF1.035**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.035** is operating:
         a. The calendar date of any required monitoring.
         b. The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         c. The total daily hours of operation for the corresponding date.
         d. The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         e. The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         f. Results and verification of the as fed ore moisture content.
         g. Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         h. Monitor and record the ore moisture content of the as fed ore for **PF1.035** on a daily basis..
   b. New Source Performance Standards (NSPS) – Notification and Record Keeping (40 CFR Part 60.7(b))
      The permittee, upon issuance date of this permit, shall:
      i. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BJ. Emission Unit # S2.169 location: Portable (within the Gold Quarry Operations Area)

BJ. System 62 - Gold Quarry Bioleach Test Project - Silo Loading (REVISED: November 7, 2006)		
S	2.169	Lime/Cement/Ash Silo - Loading

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **S2.169** shall be ducted to a control system consisting of **Baghouse (SAL-DC-001)** with 100% capture and a maximum volume flow rate of **1,440** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.169,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (SAL-DC-001)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.28** pound per hour, nor more than **0.09** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by BJ.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.43** pound per hour, nor more than **0.15** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by BJ.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (SAL-DC-001)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (SAL-DC-001)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.169** will not exceed **60.0** tons of **cement/lime/soda ash** per any one-hour period.
   b. Hours
      S2.169 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

BJ. Emission Unit # S2.169 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of cement/lime/soda ash, in tons for **S2.169** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.169** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (SAL-DC-001)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (SAL-DC-001)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (SAL-DC-001)** during silo loading and indicate whether any visible emission was observed. If no visible emissions are observed during the survey of **Baghouse (SAL-DC-001)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.169** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of cement/lime/soda ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of cement/lime/soda ash, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the quarterly checks of bags contained in **Baghouse (SAL-DC-001)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BK. Emission Unit # PF1.036 location: Portable (within the Gold Quarry Operations Area)

BK. System 63 - Gold Quarry Bioleach Test Project - Silo Discharge (REVISED: November 7, 2006)		
PF	1.036	Lime/Cement/Soda Ash Silo - Discharge

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.036** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.036,** the permittee will not discharge or cause the discharge into the atmosphere from **Gold Quarry Bileach Test Project Lime/Cement/Soda Ash Silo** the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.03** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **19.18** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by BK.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.05** ton per year, based on a 12-month rolling period. This limit is less than the **19.18** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by BK.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.036** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.036** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable discharge rate for **PF1.036** will not exceed **24.0** tons of **cement/lime/soda ash** per any one-hour period.
   b. The maximum annual discharge rate for **PF1.036** will not exceed **41,000.0** tons of **cement/lime/soda ash** per year, based on a 12-month rolling period.
   c. Hours
      PF1.036 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

BK. Emission Unit # PF1.036 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the discharge rate of cement/lime/soda ash for **PF1.036** each day silo discharging occurs.
      ii. Monitor and record the hours of operation for **PF1.036** each day silo discharging occurs.
      iii. Monitor and record the discharge rate of cement/lime/soda ash for **PF1.036** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct and record a weekly visible emission inspection on **PF1.036**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.036** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily discharge rate of cement/lime/soda ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly discharge rate of cement/lime/soda ash, in tons per hour. The average hourly discharge rate will be determined from the daily discharge rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly discharge rate of cement/lime/soda ash, for each 12-month rolling period.
         (f) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BL. Emission Unit # S2.170 location: Portable (within the Gold Quarry Operations Area)

BL. System 64 - Gold Quarry Bioleach Test Project - Silo Loading (REVISED: November 7, 2006)		
S	2.170	Lime/Cement/Ash Silo - Loading

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **S2.170** shall be ducted to a control system consisting of **Baghouse (SAL-DC-002)** with 100% capture and a maximum volume flow rate of **1,440** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.170,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (SAL-DC-002)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.28** pound per hour, nor more than **0.09** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by BL.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.43** pound per hour, nor more than **0.15** ton per year, based on a 12-month rolling period. This limit is less than the **46.29** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by BL.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of of **Baghouse (SAL-DC-002)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of of **Baghouse (SAL-DC-002)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.170** will not exceed **60.0** tons of **cement/lime/soda ash** per any one-hour period.
   b. Hours
      S2.170 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

BL. Emission Unit # S2.170 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the loading rate of cement/lime/soda ash, in tons for **S2.170** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.170** each day loading occurs.
      iii. Monitor and record that the maintenance and operation of **Baghouse (SAL-DC-002)** is in accordance with the manufacturer's and/or the permittee's operation and maintenance guidelines, on a monthly basis. Monthly records must show that observations were made, and records of any corrective actions taken.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (SAL-DC-002)**
      v. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (SAL-DC-002)** during silo loading and indicate whether any visible emission was observed. If no visible emissions are observed during the survey of **Baghouse (SAL-DC-002)**, then no further observations are required. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.170** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of cement/lime/soda ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading rate of cement/lime/soda ash, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) Records and results of the annual check of bags contained in **Baghouse (SAL-DC-002)**.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BM. Emission Unit # PF1.037 location: Portable (within the Gold Quarry Operations Area)

BM. System 65 - Gold Quarry Bioleach Test Project - Silo Discharge (REVISED: November 7, 2006)		
PF	1.037	Lime/Cement/Soda Ash Silo - discharge

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.037** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.037,** the permittee will not discharge or cause the discharge into the atmosphere from **Gold Quarry Bileach Test Project Lime/Cement/Soda Ash Silo – discharge**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.03** pound per hour, nor more than **0.02** ton per year, based on a 12-month rolling period. This limit is less than the **19.18** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by BM.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.05** ton per year, based on a 12-month rolling period. This limit is less than the **19.18** pounds per hour maximum allowable emission limit as determined from SIP 445.732 and the maximum allowable throughput as limited by BM.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from **PF1.037** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.037** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable discharge rate for **PF1.037** will not exceed **24.0** tons of **cement/lime/soda ash** per any one-hour period.
   b. The maximum annual discharge rate for **PF1.037** will not exceed **41,000.0** tons of **cement/lime/soda ash** per year, based on a 12-month rolling period.
   c. Hours
      PF1.037 may operate a total of **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

BM. Emission Unit # PF1.037 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the discharge rate of cement/lime/soda ash for **PF1.037** each day silo discharging occurs.
      ii. Monitor and record the hours of operation for **PF1.037** each day silo discharging occurs.
      iii. Monitor and record the discharge rate of cement/lime/soda ash for **PF1.037** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct and record a weekly visible emission inspection on **PF1.037**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.037** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily discharge rate of cement/lime/soda ash, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly discharge rate of cement/lime/soda ash, in tons per hour. The average hourly discharge rate will be determined from the daily discharge rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The cumulative monthly discharge rate of cement/lime/soda ash, for each 12-month rolling period.
         (f) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BN. Emission Unit # S2.050 location North 4514.80 km, East 568.6 km, UTM (Zone 11)

BN. System 66 - Carbon Stripping Boiler #1		
S	2.050	Boiler (500-BO-01)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.050** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Stripper Boiler #1 (S2.050),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Carbon Stripper Boiler #1 (500-BO-01)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.60** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.60** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.14** pound per hour, nor more than **0.61** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.14** pound per hour, nor more than **0.61** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.09** pound per hour, nor more than **0.41** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **1.38** pounds per hour, nor more than **6.05** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.35** pound per hour, nor more than **1.51** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.24** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.050** will not exceed **7.01** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.050** will not exceed **7.01** pounds per hour
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Carbon Stripper Boiler #1 (500-BO-01)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Carbon Stripper Boiler #1 (500-BO-01)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BN. Emission Unit # S2.050 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.050** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.050** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.050** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **10.01** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.050** will not exceed **9,871.8** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.050 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.050** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.050** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.050** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Stripper Boiler #1 (500-BO-01)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.050** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BN. Emission Unit # S2.050 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **Carbon Stripper Boiler #1 (500-BO-01)** while **Carbon Stripper Boiler #1 (500-BO-01)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      ii. Performance tests required under BN.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BN.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Stripper Boiler #1 (500-BO-01)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BN. Emission Unit # S2.050 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BN.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BN.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BO. Emission Unit # S2.051 location North 4514.90 km, East 568.5 km, UTM (Zone 11)

BO. System 67 - Carbon Stripping Boiler #2		
S	2.051	Boiler, (500-BO-02)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.051** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Stripper Boiler #2 (S2.051),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Carbon Stripper Boiler #2 (500-BO-02)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.64** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.64** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.09** pound per hour, nor more than **0.39** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.09** pound per hour, nor more than **0.39** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.07** pound per hour, nor more than **0.31** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.74** pound per hour, nor more than **3.24** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.16** pound per hour, nor more than **0.68** ton per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.08** pound per hour, nor more than **0.34** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.051** will not exceed **5.25** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.051** will not exceed **5.25** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from **Carbon Stripper Boiler #2 (500-BO-02)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from **Carbon Stripper Boiler #2 (500-BO-02)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BO. Emission Unit # S2.051 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.051** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.051** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.051** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **7.5** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.051** will not exceed **7,396.2** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.051 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.051** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.051** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.051** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Stripper Boiler #2 (500-BO-02)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.051** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BO. Emission Unit # S2.051 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **Carbon Stripper Boiler #2 (500-BO-02)** while **Carbon Stripper Boiler #2 (500-BO-02)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      ii. Performance tests required under BO.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BO.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Stripper Boiler #2 (500-BO-02)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BO. Emission Unit # S2.051 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BO.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BO.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BP. Emission Unit # S2.052 location North 4514.92 km, East 568.5 km, UTM (Zone 11)

BP. System 68 - Carbon Stripping Boiler #3		
S	2.052	Boiler, (550-HE-41)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.052** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Stripper Boiler #3 (S2.052),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Carbon Stripper Boiler #3 (550-HE-41)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.70** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.70** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.21** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.49** pounds per hour, nor more than **2.16** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.21** pounds per hour, nor more than **0.91** ton per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.23** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.052** will not exceed **3.50** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.052** will not exceed **3.50** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Carbon Stripper Boiler #3 (550-HE-41)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Carbon Stripper Boiler #3 (550-HE-41)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BP. Emission Unit # S2.052 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.052** will combust pipeline quality natural gas as the primary fuel only.
   b. **S2.052** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.052** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **5.0** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.052** will not exceed **4,930.8** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.052 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.052** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.052** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.052** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Stripper Boiler #3 (550-HE-41)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.052** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BP. Emission Unit # S2.052 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **Carbon Stripper Boiler #3 (550-HE-41)** while **Carbon Stripper Boiler #3 (550-HE-41)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   ii. Performance tests required under BP.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BP.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Stripper Boiler #3 (550-HE-41)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BP. Emission Unit # S2.052 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BP.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BP.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BQ. Emission Unit # S2.053 location North 4514.90 km, East 568.53 km, UTM (Zone 11)

BQ. System 69 - Carbon Stripping Boiler #4		
S	2.053	Boiler, Cleaver-Brooks (550-HE-42)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.053** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Stripper Boiler #4 (S2.053),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Carbon Stripper Boiler #4 (550-HE-42)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.70** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.70** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.21** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.49** pound per hour, nor more than **2.16** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.21** pound per hour, nor more than **0.91** ton per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.23** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.053** will not exceed **3.50** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.053** will not exceed **3.50** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Carbon Stripper Boiler #4 (550-HE-42)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Carbon Stripper Boiler #4 (550-HE-42)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BQ. Emission Unit # S2.053 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.053** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.053** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.053** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **5.0** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.053** will not exceed **4,930.8** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.053 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.053** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.053** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.053** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Stripper Boiler #4 (550-HE-42)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.053** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BQ. Emission Unit # S2.053 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **Carbon Stripper Boiler #4 (550-HE-42)** while **Carbon Stripper Boiler #4 (550-HE-42)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      ii. Performance tests required under BQ.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BQ.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Stripper Boiler #4 (550-HE-42)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BQ. Emission Unit # S2.053 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*

   b. Performance/Compliance Testing (Continued)

      vi. Within 60 days after completing the performance tests and opacity observations contained in BQ.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BQ.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BR. Emission Unit # S2.054 location North 4514.91 km, East 568.52 km, UTM (Zone 11)

BR. System 70 - Carbon Stripping Boiler #5		
S	2.054	Boiler, Cleaver-Brooks (550-HE-43)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.054** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Stripper Boiler #5 (S2.054),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Carbon Stripper Boiler #5 (550-HE-43)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.70** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.70** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.21** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.49** pound per hour, nor more than **2.16** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.21** pound per hour, nor more than **0.91** ton per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.23** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.054** will not exceed **3.50** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.054** will not exceed **3.50** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Carbon Stripper Boiler #5 (550-HE-43)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Carbon Stripper Boiler #5 (550-HE-43)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BR. Emission Unit # S2.054 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.054** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.054** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.054** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **5.0** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.054** will not exceed **4,930.8** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.054 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.054** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.054** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.054** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Stripper Boiler #5 (550-HE-43)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.054** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BR. Emission Unit # S2.054 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **Carbon Stripper Boiler #5 (550-HE-43)** while **Carbon Stripper Boiler #5 (550-HE-43)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      ii. Performance tests required under BQ.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BQ.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Stripper Boiler #5 (550-HE-43)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BR. Emission Unit # S2.054 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*

   b. Performance/Compliance Testing (Continued)

      vi. Within 60 days after completing the performance tests and opacity observations contained in BR.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BR.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BS. Emission Unit # S2.055 location North 4514.90 km, East 568.53 km, UTM (Zone 11)

BS. System 71 - Carbon Stripping Boiler #6		
S	2.055	Boiler, Cleaver-Brooks (550-HE-44)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.055** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Stripper Boiler #6 (S2.055),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Carbon Stripper Boiler #6 (550-HE-44)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.70** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.70** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.06** pound per hour, nor more than **0.26** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.21** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.49** pounds per hour, nor more than **2.16** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.21** pounds per hour, nor more than **0.91** ton per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.23** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.055** will not exceed **3.50** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.055** will not exceed **3.50** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Carbon Stripper Boiler #6 (550-HE-44)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Carbon Stripper Boiler #6 (550-HE-44)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BS. Emission Unit # S2.055 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.055** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.055** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.055** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **5.0** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.055** will not exceed **4,930.8** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.055 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the natural gas consumption rate for **S2.055** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.055** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.055** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Stripper Boiler #6 (550-HE-44)**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.055** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BS. Emission Unit # S2.055 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **Carbon Stripper Boiler #6 (550-HE-44)** while **Carbon Stripper Boiler #6 (550-HE-44)** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   ii. Performance tests required under BR.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BR.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Stripper Boiler #6 (550-HE-44)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minuites. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BS. Emission Unit # S2.055 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BS.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BS.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BT. Emission Units #'s S2.056 – S2.057 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

BT. System 72 - Carbon Regeneration Kiln #1		
S	2.056	Carbon Regeneration Kiln (500-DC-014)
S	2.057	Carbon Regeneration Kiln Burner (500-DC-014-Burner)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.056 (Kiln, 500-DC-014)** shall be ducted to a control system consisting of **Wet Scrubber (500-DC-014)** with 100% capture and a maximum volume flow rate of **1,818.39** dry standard cubic feet per minute (DSCFM).
   Emissions from **S2.057 (Kiln Burner, 500-DC-014-Burner)** shall be controlled by best operational practices.

   Stack Parameters – Burner
   a. Stack Height – 57.0 Feet
   b. Stack Inside Diameter – 3.0 Feet
   c. Stack Exit Gas Temperature – 1,000.0 ^{o}F

   Stack Parameters - Scrubber
   a. Stack Height – 52.0 Feet
   b. Stack Inside Diameter – 0.67 Feet
   c. Stack Exit Gas Temperature – 90.0 ^{o}F

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Regeneration Kiln #1 (500-DC-014)** and **Carbon Regeneration Kiln #1 Burner (500-DC-014-Burner),** the permittee will not discharge or cause the discharge into the atmosphere from the **combined** exhaust stacks of **Wet Scrubber (500-DC-014)** and **Carbon Regeneration Kiln Burner (500-DC-014-Burner)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.52** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.52** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate Matter) to the atmosphere will not exceed **0.47** pound per hour, nor more than **2.08** tons per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.47** pound per hour, nor more than **2.08** tons per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.17** pound per hour, nor more than **0.74** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **2.49** pounds per hour, nor more than **10.89** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **10.0** pounds per hour, nor more than **43.8** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **2.40** pounds per hour, nor more than **10.51** tons per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.057** will not exceed **12.6** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.057** will not exceed **12.6** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the combined exhaust stacks of **Wet Scrubber (500-DC-014)** and **Carbon Regeneration Kiln Burner (500-DC-014-Burner)**, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the combined exhaust stacks of **Wet Scrubber (500-DC-014)** and **Carbon Regeneration Kiln Burner (500-DC-014-Burner)**, will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BT. Emission Units #'s S2.056 – S2.057 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.057** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.057** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.057** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **18.0** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.057** will not exceed **17,751.6** standard cubic feet per hour (SCF/hr).
   e. The maximum allowable throughput rate for **S2.056** will not exceed **1.25** tons of **as fed ore** per any one-hour period.
   f. Hours
      S2.056 – S2.057 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.056** on a daily basis.
      ii. Monitor and record the fuel consumption rate of natural gas for **S2.057** on a daily basis.
      iii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.057** while operating under the alternative operating scenario, on a daily basis.
      iv. Monitor and record the hours of operation for **S2.056 – S2.057** each on a daily basis.
      v. Conduct and record a weekly visible emission inspection on the **combined** exhaust stacks of **Wet Scrubber (500-DC-014)** and **Carbon Regeneration Kiln Burner (500-DC-014-Burner)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. Conduct and record a weekly reading of the venturi pressure drops and water flow rate of **Wet Scrubber (500-DC-014)**. Record any occurrences when the venturi pressure drop or water flow rate falls outside the manufacturer's recommended operating range and record any corrective actions taken.

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Section VI. Specific Operating Conditions (continued)

BT. Emission Units #'s S2.056 – S2.057 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      vii. The required monitoring established in (i.) through (vi.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.056 – S2.057** each are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (f) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (g) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (h) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (f) above.
         (i) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (g) above.
         (j) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (k) The results of the weekly venture pressure drop readings and water flow rate for **Wet Scrubber (500-DC-014)**.

Section VI. Specific Operating Conditions (continued)

BT. Emission Units #'s S2.056 – S2.057 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests **simultaneously** on the combined exhaust stacks of **Wet Scrubber (500-DC-014)** and **Carbon Regeneration Kiln #1 Burner (500-DC-014-Burner)** consisting of three valid runs at the maximum throughput rate subject to BT.3. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in BT.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in BT.2.a. of this section.
   iii. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the **combined** exhaust stacks of **Wet Scrubber (500-DC-014)** and **Carbon Regeneration Kiln #1 Burner (500-DC-014-Burner)** while **Carbon Regeneration Kiln #1 (500-DC-014)** and **Carbon Regeneration Kiln #1 Burner (500-DC-014-Burner)** are operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   iv. Performance tests required under BT.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BT.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   v. Conduct and record a Method 9 visible emissions reading on the combined exhaust stacks of **Wet Scrubber (500-DC-014)** and **Carbon Regeneration Kiln #1 Burner (500-DC-014-Burner)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   vi. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vii. The emissions results of the Method 5 performance test for PM and the Method 201A and Method 202 performance test for PM_{10} must be reported in lb/hour and lb/MMBtu.

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Section VI. Specific Operating Conditions (continued)

BT. Emission Units #'s S2.056 – S2.057 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
      viii. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
      ix. Within 60 days after completing the performance tests and opacity observations contained in BT.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BT.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BU. Emission Units #'s S2.058 – S2.059 location North 4514.9 km, East 568.5 km, UTM (Zone 11)

BU. System 73 - Carbon Regeneration Kiln #2		
S	2.058	Boliden-Allis Carbon Regeneration Kiln (2550-DC-03)
S	2.059	Boliden-Allis Carbon Regeneration Kiln Burner (2550-DC-03-Burner)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.058 (Kiln, 2550-DC-03)** shall be ducted to a control system consisting of a **Wet Scrubber (2550-DC-03)** with 100% capture and a maximum volume flow rate of **1,818.39** dry standard cubic feet per minute (DSCFM).
   Emissions from **S2.059 (Kiln Burner, 2550-DC-03-Burner)** shall be controlled by best operational practices.

   Stack Parameters – Burner
   a. Stack Height – 74.0 Feet
   b. Stack Inside Diameter – 2.33 Feet
   c. Stack Exit Gas Temperature – 1,000.0 ^{o}F

   Stack Parameters - Scrubber
   a. Stack Height – 35.0 Feet
   b. Stack Inside Diameter – 0.83 Feet
   c. Stack Exit Gas Temperature – 90.0 ^{o}F

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **Carbon Regeneration Kiln #2 (2550-DC-03)** and **Carbon Regeneration Kiln #2 Burner (2550-DC-03-Burner),** the permittee will not discharge or cause the discharge into the atmosphere from the combined exhaust stacks of **Wet Scrubber (2550-DC-03)** and **Carbon Regeneration Kiln Burner (2550-DC-03-Burner)**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.52** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.52** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.47** pound per hour, nor more than **2.08** tons per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.47** pound per hour, nor more than **2.08** tons per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.17** pound per hour, nor more than **0.74** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **2.49** pounds per hour, nor more than **10.89** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **10.0** pounds per hour, nor more than **43.8** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **2.40** pounds per hour, nor more than **10.51** tons per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.059** will not exceed **12.6** pounds per hour.
      ix. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.059** will not exceed **12.6** pounds per hour.
      xi. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stacks of **Wet Scrubber (2550-DC-03)** and **Carbon Regeneration Kiln #2 Burner (2550-DC-03-Burner)** each, will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stacks of **Wet Scrubber (2550-DC-03)** and **Carbon Regeneration Kiln #2 Burner (2550-DC-03-Burner)** each, will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

BU. Emission Units #'s S2.058 – S2.059 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.059** will combust pipeline quality natural gas as the primary fuel.
   b. **S2.059** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.059** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **18.0** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.059** will not exceed **17,751.6** standard cubic feet per hour (SCF/hr).
   e. The maximum allowable throughput rate for **S2.058** will not exceed **1.25** tons of **as fed ore** per any one-hour period.
   f. Hours
      S2.058 – S2.059 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.058** on a daily basis.
      ii. Monitor and record the fuel consumption rate of natural gas for **S2.059** on a daily basis.
      iii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.059** while operating under the alternative operating scenario, on a daily basis.
      iv. Monitor and record the hours of operation for **S2.058 – S2.059** each, on a daily basis.
      v. Conduct and record a weekly visible emission inspection on the **combined** exhaust stacks of **Wet Scrubber (2550-DC-03)** and **Carbon Regeneration Kiln #2 Burner (2550-DC-03-Burner)** each; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vi. Conduct and record a weekly reading of the venturi pressure drops and water flow rate of **Wet (Scrubber 2550-DC-03)**. Record any occurrences when the venturi pressure drop or water flow rate falls outside the manufacturer's recommended operating range and record any corrective actions taken.

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Section VI. Specific Operating Conditions (continued)

BU. Emission Units #'s S2.058 – S2.059 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   a. Monitoring, Record keeping and Compliance (Continued)
      vii. The required monitoring established in (i.) through (vi.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.058 – S2.059** each are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (f) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (g) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (h) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (f) above.
         (i) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (g) above.
         (j) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (k) The results of the weekly venture pressure drop readings and water flow rate for **Wet Scrubber (2550-DC-03)**.

Section VI. Specific Operating Conditions (continued)

BU. Emission Units #'s S2.058 – S2.059 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests **simultaneously** on the combined exhaust stacks of **Wet Scrubber (2550-DC-03)** and **Carbon Regeneration Kiln Burner (2550-DC-03-Burner)** consisting of three valid runs at the maximum throughput rate subject to BU.3. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in BU.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in BU.2.a. of this section.
   iii. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the combined exhaust stacks of **Wet Scrubber (2550-DC-03)** and **Carbon Regeneration Kiln Burner (2550-DC-03-Burner)** while **Carbon Regeneration Kiln (2550-DC-03)** and **Carbon Regeneration Kiln Burner (2550-DC-03-Burner)** are operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   iv. Performance tests required under BU.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BU.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   v. Conduct and record a Method 9 visible emissions reading on the combined exhaust stacks of **Wet Scrubber (2550-DC-03)** and **Carbon Regeneration Kiln Burner (2550-DC-03-Burner)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   vi. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vii. The emissions results of the Method 5 performance test for PM and the Method 201A and Method 202 performance test for PM_{10} must be reported in lb/hour and lb/MMBtu.

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Section VI. Specific Operating Conditions (continued)

BU. Emission Units #'s S2.058 – S2.059 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
      viii. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).
      ix. Within 60 days after completing the performance tests and opacity observations contained in BU.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BU.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BV. Emission Unit # S2.171 location North 4515.2 km, East 569.1 km, UTM (Zone 11)

BV. System 74 – Propane Vaporizer		
S	2.171	Propane Vaporizer #1 (Model & Serial Numbers not provided)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.171** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.171** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Propane Vaporizer #1**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.74** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.74** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.017** pound per hour, nor more than **0.038** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.017** pound per hour, nor more than **0.038** ton per year.
      v. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.171** will not exceed **2.8** pounds per hour.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.065** pound per hour, nor more than **0.146** ton per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.61** pound per hour, nor more than **1.373** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.083** pound per hour, nor more than **0.187** ton per year.
      ix. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.021** pound per hour, nor more than **0.47** ton per year.
      x. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Propane Vaporizer #1** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xi. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Propane Vaporizer #1** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.171** will combust propane fuel as the primary fuel only.
   b. The maximum operating heat input for **S2.171** while combusting propane fuel will not exceed **4.0** million Btu per any one-hour period (MMBTU/hr).
   c. The maximum propane fuel consumption rate for **S2.171** will not exceed **1,587.33** standard cubic feet per hour (SCF/hr).
   d. Hours
      S2.171 will not operate in excess of **4,500** hours per year.

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Section VI. Specific Operating Conditions (continued)

BV. Emission Unit # S2.171 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Within 90 days of issuance of this operating permit, the Permittee shall install, calibrate and operate a device for monitoring and recording the consumption rate of propane fuel, in standard cubic feet, for **S2.171** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.171** on a daily basis.
      iii. Conduct and record a weekly visible emission inspection on the exhaust stack of **Propane Vaporizer #1**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.171** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily consumption rate of propane fuel, in standard cubic feet, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly consumption rate of propane fuel, in standard cubic feet per hour. The average hourly propane fuel consumption rate will be determined from the daily propane fuel consumption rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BV. Emission Unit # S2.171 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **PropaneVaporizer #1** while **Propane Vaporizer #1** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
   ii. Performance tests required under BV.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BV.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Propane Vaporizer #1** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   vi. Tests of performance and visible emissions readings must be conducted under such conditions as the directorsvpecifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BV. Emission Unit # S2.171 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BV.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BV.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BW. Emission Unit # S2.172 location North 4515.2 km, East 569.1 km, UTM (Zone 11)

BW. System 75 – Propane Vaporizer		
S	2.172	Propane Vaporizer #2 (Model & Serial Numbers not provided)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.172** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.172** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Propane Vaporizer #2**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.74** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.74** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.017** pound per hour, nor more than **0.038** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.017** pound per hour, nor more than **0.038** ton per year.
      v. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.172** will not exceed **2.8** pounds per hour.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.065** pound per hour, nor more than **0.146** ton per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.61** pound per hour, nor more than **1.373** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.083** pound per hour, nor more than **0.187** ton per year.
      ix. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.021** pound per hour, nor more than **0.47** ton per year.
      x. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Propane Vaporizer #2** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xi. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Propane Vaporizer #2** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.172** will combust propane fuel as the primary fuel only.
   b. The maximum operating heat input for **S2.172** while combusting propane fuel will not exceed **4.0** million Btu per any one-hour period (MMBTU/hr).
   c. The maximum propane fuel consumption rate for **S2.172** will not exceed **1,587.33** standard cubic feet per hour (SCF/hr).
   d. Hours
      S2.172 will not operate in excess of **4,500** hours per year.

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Section VI. Specific Operating Conditions (continued)

BW. Emission Unit # S2.172 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Within 90 days of issuance of this operating permit, the Permittee shall install, calibrate and operate a device for monitoring and recording the consumption rate of propane fuel, in standard cubic feet, for **S2.172** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.172** on a daily basis.
      iii. Conduct and record a weekly visible emission inspection on the exhaust stack of **Propane Vaporizer #2**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.172** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily consumption rate of propane fuel, in standard cubic feet, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly consumption rate of propane fuel, in standard cubic feet per hour. The average hourly propane fuel consumption rate will be determined from the daily propane fuel consumption rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BW. Emission Unit # S2.172 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **PropaneVaporizer #2** while **Propane Vaporizer #2** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      ii. Performance tests required under BW.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BW.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Propane Vaporizer #2** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BW. Emission Unit # S2.172 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BW.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BW.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

BX. Emission Unit # S2.173 location North 4515.2 km, East 569.1 km, UTM (Zone 11)

BX. System 76 – Propane Vaporizer		
S	2.173	Propane Vaporizer #3 (Model & Serial Numbers not provided)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.173** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.173** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Propane Vaporizer #3**, the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.74** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.74** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.017** pound per hour, nor more than **0.038** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.017** pound per hour, nor more than **0.038** ton per year.
      v. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.173** will not exceed **2.8** pounds per hour.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.065** pound per hour, nor more than **0.146** ton per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.61** pound per hour, nor more than **1.373** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.083** pound per hour, nor more than **0.187** ton per year.
      ix. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.021** pound per hour, nor more than **0.47** ton per year.
      x. SIP 445.721 *Federally Enforceable SIP Requirement* - The opacity from the exhaust stack of **Propane Vaporizer #3** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xi. NAC 445B.22017 *State Only Requirement* – The opacity from the exhaust stack of **Propane Vaporizer #3** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.173** will combust propane fuel as the primary fuel only.
   b. The maximum operating heat input for **S2.173** while combusting propane fuel will not exceed **4.0** million Btu per any one-hour period (MMBTU/hr).
   c. The maximum propane fuel consumption rate for **S2.173** will not exceed **1,587.33** standard cubic feet per hour (SCF/hr).
   d. Hours
      S2.173 will not operate in excess of **4,500** hours per year.

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Section VI. Specific Operating Conditions (continued)

BX. Emission Unit # S2.173 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Within 90 days of issuance of this operating permit, the Permittee shall install, calibrate and operate a device for monitoring and recording the consumption rate of propane fuel, in standard cubic feet, for **S2.173** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.173** on a daily basis.
      iii. Conduct and record a weekly visible emission inspection on the exhaust stack of **Propane Vaporizer #3**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.173** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily consumption rate of propane fuel, in standard cubic feet, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly consumption rate of propane fuel, in standard cubic feet per hour. The average hourly propane fuel consumption rate will be determined from the daily propane fuel consumption rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

BX. Emission Unit # S2.173 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **PropaneVaporizer #3** while **Propane Vaporizer #3** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      ii. Performance tests required under BX.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BX.3. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iii. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Propane Vaporizer #3** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      iv. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      v. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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Section VI. Specific Operating Conditions (continued)

BX. Emission Unit # S2.173 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      vi. Within 60 days after completing the performance tests and opacity observations contained in BX.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in BX.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BY. Emission Units #'s S2.041 – S2.046 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

BY. System 77 - Refinery Mercury Retort Circuit		
S	2.041	Mercury Retort Furnace (500-FC-10)
S	2.042	Mercury Retort Furnace (500-FC-11)
S	2.043	Mercury Retort Furnace (500-FC-12)
S	2.044	Mercury Retort Furnace (500-FC-13)
S	2.045	Mercury Retort Furnace (500-FC-14)
S	2.046	Mercury Retort Furnace (500-FC-15)
S	2.046.1	Mercury Retort Furnace (700-FC-01) **(Removed: December 6, 2007)**
S	2.046.2	Mercury Retort Furnace (700-FC-02) **(Removed: December 6, 2007)**

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.041 – S2.046** each, shall be ducted to a control system consisting of a **Carbon Filter Pack (500-DC-010) and Vacuum Pumps** with 100% capture and a maximum volume flow rate of **7,500** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.041 – S2.046,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the **Carbon Filter Pack (500-DC-010)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.39** pound per hour, nor more than **1.69** tons per year, based on a 12-month rolling period. This limit is less than the **96.42** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by BY.3.a of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.39** pound per hour, nor more than **1.69** tons per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Carbon Filter Pack (500-DC-010)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.041 – S2.046** combined, will not exceed **5.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.041 – S2.046 each, may operate **8760** hours per year.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BY. Emission Units #'s S2.041 – S2.046 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.041 – S2.046** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.041 – S2.046** each, on a daily basis.
      iii. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Filter Pack (500-DC-010)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iv. Conduct and record a weekly reading of differential pressure on **Carbon Filter Pack (500-DC-010)**, and verify that it is within the range established by the manufacturer; record the time of the reading and the differential pressure. **S2.041 – S2.046** each, will not be operated when the **Carbon Filter Pack (500-DC-010)** differential pressure falls outside the range established in the operation and maintenance guidelines. The permittee will install and operate an alarm system for the **Carbon Filter Pack (500-DC-010)**. The alarm system will activate when the differential pressure falls outside the range set by the manufacturer. The permittee will record the time of the alarm and the time the equipment was shut down. Following any repairs and /or corrective actions taken, the permittee will monitor and record the differential pressure and verify that it is within the range established in the operation and maintenance guidelines before resuming operations for **S2.041 – S2.046** each.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.041 – S2.046** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Carbon Filter Pack (500-DC-010)**.
         (g) Date and time of any activations of the differential pressure alarm system, and any repairs and/or corrective actions taken to correct the problem.
         (h) After any repairs and/or corrective actions are made, a differential pressure reading will be recorded, prior to resuming operations for **S2.041 – S2.046** each.

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Section VI. Specific Operating Conditions (continued)

BY. Emission Units #'s S2.041 – S2.046 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **Carbon Filter Pack (500-DC-010)** consisting of three valid runs at the maximum throughput rate subject to BY.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   i. The Method 201A and Method 202 tests required in BY.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in BY.2. of this section.
   iii. Performance tests required under BY.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BY.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Filter Pack (500-DC-010)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with a 6-minute average is determined.
   v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

BZ. Emission Units #'s S2.047 – S2.049 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

BZ. System 78 - Electric Refinery Induction Furnaces		
S	2.047	Electric Induction Furnace (700-FC-16)
S	2.048	Electric Induction Furnace (500-FC-17)
S	2.049	Electric Induction Furnace (500-FC-05)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.047 – S2.049** each, shall be ducted to a control system consisting of **Carbon Filter Pack Baghouse (500-DC-012)** with 100% capture and a maximum volume flow rate of **9,500** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.047 – S2.049,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Carbon Filter Pack Baghouse (500-DC-012)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.22** pounds per hour, nor more than **1.34** tons per year, based on a 12-month rolling period. This limit is less than the **36.16** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by BZ.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed nor more than **1.22** pounds per hour, **1.34** tons per year, based on a 12-month rolling period. This limit is less than the **36.16** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by BZ.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Carbon Filter Pack Baghouse (500-DC-012)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Carbon Filter Pack Baghouse (500-DC-012)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.047 – S2.049** each, will not exceed **5.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.047 – S2.049 combined, will not operate in excess of **2,200** hours per year.

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Section VI. Specific Operating Conditions (continued)

BZ. Emission Units #'s S2.047 – S2.049 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.047 – S2.049** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.047 – S2.049** each, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.047 – S2.049** each, on a monthly basis.
      iv. Monitor and record the hours of operation for **S2.047 – S2.049** each, on an annual basis.
      v. Conduct and record an annual check of all bags contained in **Carbon Filter Pack Baghouse (500-DC-012)**.
      vi. Conduct and record a weekly visible emission inspection on the exhaust stack of **Carbon Filter Pack Baghouse (500-DC-012)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      vii. Conduct and record a weekly reading of differential pressure on the **Carbon Filter Pack Baghouse (500-DC-012)**, and verify that it is within the range established by the manufacturer; record the time of the reading and the differential pressure. **S2.047 – S2.049** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines. The permittee will install and operate an alarm system for the **Carbon Filter Pack Baghouse (500-DC-012)**. The alarm system will activate when the differential pressure falls outside the range set by the manufacturer. The permittee will record the time of the alarm and the time the equipment was shut down. Following any repairs and /or corrective actions taken, the permittee will monitor and record the differential pressure and verify that it is within the range established in the operation and maintenance guidelines before resuming operations for **S2.047 – S2.049** each.
      viii. The required monitoring established in (i.) through (vii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.047 – S2.049** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for the **Carbon Filter Pack Baghouse (500-DC-012)**.
         (g) Date and time of any activations of the differential pressure alarm system, and any repairs and/or corrective actions taken to correct the problem.
         (h) After any repairs and/or corrective actions are made, a differential pressure reading will be recorded, prior to resuming operations for **S2.047 – S2.049** each.
         (i) Records and results of the annual check of bags contained in **Carbon Filter Pack Baghouse (500-DC-012)**.

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Section VI. Specific Operating Conditions (continued)

BZ. Emission Units #'s S2.047 – S2.049 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Carbon Filter Pack Baghouse (500-DC-012)** consisting of three valid runs at the maximum throughput rate subject to BZ.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
      ii. The Method 201A and Method 202 tests required in BZ.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in BZ.2. of this section.
      iii. Performance tests required under BZ.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in BZ.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Carbon Filter Pack Baghouse (500-DC-012)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CA. Emission Units #'s S2.036 – S2.037 location North 4514.6 km, East 568.6 km, UTM (Zone 11)

CA. System 79 - Integrated Laboratory Crushing System #1		
S	2.036	Primary Crusher (858-LB-70A)
S	2.037	Secondary Crusher (858-CR-87)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.036 – S2.037** each, shall be ducted to a control system consisting of **Baghouse (858-DC-001)** with 100% capture and a maximum volume flow rate of **13,000** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.036 – S2.037,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (858-DC-001)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.84** pound per hour, nor more than **3.66** tons per year, based on a 12-month rolling period. This limit is less than the **7.21** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by CA.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.84** pound per hour, nor more than **3.66** tons per year, based on a 12-month rolling period. This limit is less than the **7.21** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by CA.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (858-DC-001)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (858-DC-001)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.036 – S2.037** each, will not exceed **0.825** ton of **as fed ore** per any one-hour period.
   b. Hours
      S2.036 – S2.037 each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

CA. Emission Units #'s S2.036 – S2.037 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.036 – S2.037** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.036 – S2.037** each, on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (858-DC-001)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (858-DC-001)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (858-DC-001)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.036 – S2.037** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.036 – S2.037** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (858-DC-001)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (858-DC-001)**.

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Section VI. Specific Operating Conditions (continued)

CA. Emission Units #'s S2.036 – S2.037 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (858-DC-001)** consisting of three valid runs at the maximum throughput rate subject to CA.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in CA.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in CA.2. of this section.
   iii. Performance tests required under CA.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in CA.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (858-DC-001)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined
   v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CB. Emission Units #'s S2.038 – S2.039B location North 4514.6 km, East 568.7 km, UTM (Zone 11)

CB. System 80 - Integrated Laboratory Crushing System # 2

S 2.038 Primary Crusher (858-CR-86)
S 2.039 Secondary Crusher (858-CR-88)
S 2.039A Secondary Crusher (858-CR-89)
S 2.039B Secondary Crusher (858-CR-90)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.038– S2.039B** each, shall be ducted to a control system consisting of **Baghouse (858-DC-002)** with 100% capture and a maximum volume flow rate of **13,000** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.038 – S2.039B,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (858-DC-002)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.84** pound per hour, nor more than **3.66** tons per year, based on a 12-month rolling period. This limit is less than the **14.42** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by CB.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.84** pound per hour, nor more than **3.66** tons per year, based on a 12-month rolling period. This limit is less than the **14.42** pounds per hour combined maximum allowable emission limit as determined from SIP 445.732 and the combined maximum allowable throughput as limited by CB.3.a. of this section.
      iii. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Baghouse (858-DC-002)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      iv. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (858-DC-002)** will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.038 – S2.039B** each, will not exceed **0.825** ton of **as fed ore** per any one-hour period.
   b. Hours
      S2.038 – S2.039B each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

CB. Emission Units #'s S2.038 – S2.039B (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.038 – S2.039B** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.038 – S2.039B** each, on a daily basis.
      iii. Conduct and record a quarterly check of all bags contained in **Baghouse (858-DC-002)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (858-DC-002)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (858-DC-002)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.038 – S2.039B** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.038 – S2.039B** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (858-DC-002)**.
         (g) Records and results of the quarterly checks of bags contained in **Baghouse (858-DC-002)**.

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Section VI. Specific Operating Conditions (continued)

CB. Emission Units #'s S2.038 – S2.039B (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (858-DC-002)** consisting of three valid runs at the maximum throughput rate subject to CB.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in CB.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in CB.2. of this section.
   iii. Performance tests required under CB.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in CB.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (858-DC-002)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

CC. Emission Unit # S2.040 location North 4514.5 km, East 568.64 km, UTM (Zone 11)

CC. System 81 - Integrated Laboratory Flux Mixer		
S	2.040	Flux Mixer (858-LB-75)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.040** shall be ducted to a control system consisting of **Baghouse (858-DC-003)** with 100% capture and a maximum volume flow rate of **2,800** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.040,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (858-DC-003)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **1.08** pounds per hour, nor more than **1.58** tons per year, based on a 12-month rolling period. This limit is less than the **0.59** pound per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by CC.3.a. of this section.
      ii. NAC 445B.305 (445.7075) *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.08** pounds per hour, nor more than **1.58** tons per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from the exhaust stack of **Baghouse (858-DC-003)** will not equal or exceed **20%** in accordance with NAC 445B.22017.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.040** will not exceed **0.165** ton of **as fed ore** per any one-hour period.
   b. Hours
      S2.040 will not operate in excess of **2920** hours per year.

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Section VI. Specific Operating Conditions (continued)

CC. Emission Unit # S2.040 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.040** on a daily basis.
      ii. Monitor and record the hours of operation for **S2.040** on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (858-DC-003)**.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Baghouse (858-DC-003)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. Conduct and record a weekly reading of differential pressure on **Baghouse (858-DC-003)**, and verify that it is within the range established by the baghouse manufacturer; record the time of the reading and the differential pressure. **S2.040** will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      vi. The required monitoring established in (i.) through (v.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.040** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.
         (f) The results of the weekly differential pressure readings for **Baghouse (858-DC-003)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (858-DC-003)**.

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Section VI. Specific Operating Conditions (continued)

CC. Emission Unit # S2.040 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
   i. Conduct and record the following performance tests on the exhaust stack of **Baghouse (858-DC-003)** consisting of three valid runs at the maximum throughput rate subject to CC.3.a. of this section.
      (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
      (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
   ii. The Method 201A and Method 202 tests required in CC.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in CC.2. of this section.
   iii. Performance tests required under CC.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in CC.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
   iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Baghouse (858-DC-003)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
   v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
   vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

CD. Emission Unit # PF1.038 location North 4514.1 km, East 568.9 km, UTM (Zone 11)

CD. System 82 - Trim Fuel Storage Tank		
PF	1.038	Trim Fuel Storage Tank, 50,000 gallons capacity

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **PF1.038** shall be controlled by an internal floating roof, submerged fill and best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   On and after the date of startup of **PF1.038**, the permittee will not discharge or cause the discharge into the atmosphere from **PF1.038**, the following pollutants in excess of the following specified limits:
   a. NAC 445B.305 *Part 70 Program* - The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.13** pound per hour, nor more than **0.55** ton per year.
   b. The opacity from **PF1.038** will not exceed **20%** in accordance with NAC 445B.22017.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **PF1.038** may store **a mixture of kerosene and methanol** only.
   b. The true vapor pressure of stored liquid fuel for **PF1.038** shall remain below 3.5 kPa.
   c. The maximum capacity of **PF1.038** will not exceed **50,000** gallons.
   d. Hours
      PF1.038 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor the fuel mixture of kerosene and methanol throughput for **PF1.038** on a daily basis.
      ii. Conduct and record a Method 9 visible emissions inspection on the exhaust vent from **PF1.038** on an annual basis. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iii. The required monitoring established in (i.) through (ii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.038** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of kerosene and methanol, in gallons per hour, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of kerosene and methanol, in gallons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the annual visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

CE. Emission Units #'s PF1.039 – PF1.042 location North 4515.1 km, East 568.9 km, UTM (Zone 11)

CE. System 83 - Diesel Fuel Storage Tanks		
PF	1.039	Diesel Fuel Storage Tank, 50,000 gallons capacity (830-TK-01)
PF	1.040	Diesel Fuel Storage Tank, 50,000 gallons capacity (830-TK-09)
PF	1.041	Diesel Fuel Storage Tank, 50,000 gallons capacity (830-TK-10)
PF	1.042	Diesel Fuel Storage Tank, 50,000 gallons capacity

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **PF1.039 – PF1.042** each, shall be controlled by submerged fill and best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   On and after the date of startup of **PF1.039 – PF1.042**, the permittee will not discharge or cause the discharge into the atmosphere from **PF1.039 – PF1.042** combined, the following pollutants in excess of the following specified limits:
   a. NAC 445B.305 *Part 70 Program* - The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.02** pound per hour, nor more than **0.08** ton per year.
   b. The opacity from **PF1.039 – PF1.042** each, will not exceed **20%** in accordance with NAC 445B.22017.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **PF1.039 – PF1.042** each, may store **diesel fuel** only.
   b. The maximum capacity of **PF1.039 – PF1.042** each, will not exceed **50,000** gallons.
   c. The true vapor pressure of stored liquid fuel for **PF1.039 – PF1.042** each, shall remain below 3.5 kPa.
   d. Hours
      PF1.039 – PF1.042 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor the fuel mixture of diesel fuel throughput for **PF1.039 – PF1.042** each, on a daily basis.
      ii. Conduct and record a Method 9 visible emissions inspection on the exhaust vents from **PF1.039 – PF1.042** each, on an annual basis. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      iii. The required monitoring established in (i.) through (ii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.039 – PF1.042** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of diesel fuel, in gallons per hour, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of diesel fuel, in gallons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) Results and verification of the annual visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

CF. Emission Unit # S2.400 North 4515.0 km, East 568.88 km, UTM (Zone 11)

CF. System 84 – Oxygen Plant Regenerative Heater		
S	2.400	Oxygen Plant Regenerative Heater (Model & Serial #'s not provided by Facility)

1. NAC 445B.3405 (NAC 445B.316)(445.7114) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.400** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of the **Oxygen Plant Regenerative Heater (S2.400),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Oxygen Plant Regenerative Heater (S2.400),** the following pollutants in excess of the following specified limits:
      i. SIP 445.731 *Federally Enforceable SIP Requirement* – The discharge of PM (particulate matter) to the atmosphere from **S2.400** will not exceed **0.62** pound per million Btu.
      ii. NAC 445B.2203 *State Only Requirement* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from **S2.400** will not exceed **0.62** pound per million Btu.
      iii. NAC 445B.305 *Part 70 Program* – The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.07** pound per hour, nor more than **0.28** ton per year.
      iv. NAC 445B.305 *Part 70 Program* – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.07** pound per hour, nor more than **0.28** ton per year.
      v. NAC 445B.305 *Part 70 Program* – The discharge of SO_2 (sulfur dioxide) to the atmosphere will not exceed **0.005** pound per hour, nor more than **0.02** ton per year.
      vi. NAC 445B.305 *Part 70 Program* – The discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed **0.85** pounds per hour, nor more than **3.74** tons per year.
      vii. NAC 445B.305 *Part 70 Program* – The discharge of CO (carbon monoxide) to the atmosphere will not exceed **0.72** pound per hour, nor more than **3.14** tons per year.
      viii. NAC 445B.305 *Part 70 Program* – The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed **0.05** pound per hour, nor more than **0.21** ton per year.
      ix. SIP Article 8.2.1.1 *Federally Enforceable SIP Requirement* – The maximum allowable discharge of Sulfur to the atmosphere from **S2.400** will not exceed **6.09** pounds per hour.
      x. NAC 445B.22047 *(State Only Requirement)* – The maximum allowable discharge of Sulfur to the atmoshphere from **S2.400** will not exceed **6.09** pounds per hour.
      xi. SIP 445.721 *(Federally Enforceable SIP Requirement)* - The opacity from the exhaust stack of **Oxygen Plant Regenerative Heater (S2.400)** will not equal or exceed 20% for a period or periods aggregating more than 3 minutes in any one hour.
      xii. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Oxygen Plant Regenerative Heater (S2.400)** will not equal or exceed 20%.

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Section VI. Specific Operating Conditions (continued)

CF. Emission Unit # S2.400 (Continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. **S2.400** will combust pipeline quality natural gas as the primary fuel only.
   b. **S2.400** may combust a fuel blend of natual gas and propane/air while operating under an alternative operating scenario.
   c. The maximum operating heat input for **S2.400** while combusting natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, will not exceed **8.7** million Btu per any one-hour period (MMBTU/hr).
   d. The consumption rate of natural gas or while operating under the alternative operating scenario of a fuel blend of natural gas and propane/air, for **S2.400** will not exceed **8,700.0** standard cubic feet per hour (SCF/hr).
   e. Hours
      S2.400 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the fuel consumption rate of natural gas for **S2.400** on a daily basis.
      ii. Monitor and record the fuel mixture consumption rate of natural gas and propane/air for **S2.057** while operating under the alternative operating scenario, on a daily basis.
      iii. Monitor and record the hours of operation for **S2.400** on a daily basis.
      iv. Conduct and record a weekly visible emission inspection on the exhaust stack of **Oxygen Plant Regenerative Heater (S2.400)**; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.400** is operating:
         (a) The calendar date of any required monitoring.
         (b) Maintain a contemporaneous log of each change from normal operation to the alternative operating scenario. The log must contain, at a minimum, the date and time of the change to the alternative operating scenario, and the date and time the alternative operating scenario is terminated, and when the emission units return to normal operation.
         (c) The total daily hours of operation for the corresponding date.
         (d) The total daily fuel consumption rate of natural gas, in standard cubic feet, for the corresponding date.
         (e) The total daily fuel consumption rate of the fuel blend of natural gas and propane/air, in standard cubic feet, for the corresponding date, while operating under the alternative operating scenario.
         (f) The corresponding average hourly fuel consumption rate of natural gas, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (d) above.
         (g) The corresponding average hourly fuel consumption rate of a fuel blend of natural gas and propane/air, while operating under the alternative operating scenario, in standard cubic feet per hour. The average hourly fuel consumption rate will be determined from the daily fuel consumption rate and the total daily hours of operation recorded in (c) and (e) above.
         (h) Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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Section VI. Specific Operating Conditions (continued)

CF. Emission Unit # S2.400 (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **Oxygen Plant Regenerative Heater (S2.400)** consisting of three valid runs at the maximum throughput rate subject to CF.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
      ii. The Method 201A and Method 202 tests required in CF.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in CF.2. of this section.
      iii. Conduct and record a Method 6, 7, 10 and 18 for SO_2, NO_x, CO and VOC's (or equivalent methods as approved by the Director) on the exhaust stack of **Oxygen Plant Regenerative Heater (S2.400)** while **Oxygen Plant Regenerative Heater (S2.400),** is operating, consisting of three valid runs. The Method 6, 7, 10 and 18 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A. All performance tests will be conducted at the maximum production rate of the emission unit(s) and all performance tests must be conducted under conditions that are representative of maximum emissions potential for each stack.
      iv. Performance tests required under CF.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in CF.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      v. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **Oxygen Plant Regenerative Heater (S2.400)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6 minutes. The opacity readings must be averaged such that compliance with both a 6-minute average, and a 3-minute average is determined.
      vi. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vii. The emissions results of the Method 5 performance test for PM and the Method 201A and Method 202 performance test for PM_{10} must be reported in lb/hour and lb/MMBtu.
      viii. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CF. Emission Unit # S2.400 (Continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   b. Performance/Compliance Testing (Continued)
      ix. Within 60 days after completing the performance tests and opacity observations contained in CF.4.b.of this Section, the permittee shall furnish the director a written report of the results of the performance tests and the opacity observations required in CF.4.b.of this Section (40 CFR Part 60.385, 60.8(a)). All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.395 (NAC 445B.252.8).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CG. Emission Unit # PF1.048 East 568.163 km, North 4,514.767 km, UTM (Zone 11)
East 567.391 km, North 4,515.220 km, UTM (Zone 11) **(added March 19, 2008)**

CG. System 85 – Underground Ore Receiving System (Added on December 6, 2007)		
PF	1.048	Underground Ore Receiving System

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.048** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.048,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.048**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.672** pound per hour, nor more than **0.504** ton per year, based on a 12-month rolling period. This limit is less than the **77.59** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by CG.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.92** pounds per hour, nor more than **1.44** tons per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.048** will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **PF1.048** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.048** will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.048** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CG. Emission Unit # PF1.048 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.048** will not exceed **1000.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.048** will not exceed **1,500,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.048 may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.048** on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.048** on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.048** on a cumulative monthly basis, for each 12-month rolling period.
      iv. The required monitoring established in (i.) through (iii.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.048** is operating:
         a. The calendar date of any required monitoring.
         b. The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         c. The total daily hours of operation for the corresponding date.
         d. The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         e. The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

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Section VI. Specific Operating Conditions (continued)

CH. Emission Units #'s S2.220 – S2.223 East 568.163 km, North 4,514.767, UTM (Zone 11)
East 567.391 km, North 4,515.220, UTM (Zone 11) **(added March 19, 2008)**

CH. System 86 – Underground Ore Metal Removal Plant (Added on December 6, 2007)		
S	2.220	Vibratory grizzly discharge to metal removal conveyor #1
S	2.220.1	Vibratory grizzly discharge to oversize inclined belt feeder
S	2.221	Metal removal conveyor #1 discharge to metal removal conveyor #2
S	2.222	Metal removal conveyor #2 discharge to transfer conveyor #3
S	2.223	Transfer conveyor #3 discharge to radial stacker

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.220 – S2.223** each, shall be ducted to a control system consisting of **Baghouse (MRB-01)** with 100% capture and a combined maximum volume flow rate of **9,056** dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **S2.220 – S2.223,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **(MRB-01)**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.776** pound per hour combined, nor more than **3.39** tons per year combined, based on a 12-month rolling period. This limit is less than the **310.35** pounds per hour combined maximum allowable emission limit as determined from NAC 445B.22033 and the combined maximum allowable throughput as limited by CH.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **0.776** pound per hour combined, nor more than **3.39** tons per year combined, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(State Only Requirement)* – The opacity from the exhaust stack of **Baghouse (MRB-01)** will not equal or exceed 20%.
   b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **System 86** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (MRB-01)**, the following pollutants in excess of the following specified limits:
      i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (40 CFR Part 60.382(a)(1)).
      ii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **S2.020 - S2.223** each including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **S2.220 – S2.223** each, will not exceed **1,000.0** tons of **as fed ore** per any one-hour period.
   b. Hours
      S2.220 – S2.223 each, may operate **8760** hours per year.

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Section VI. Specific Operating Conditions (continued)

CH. Emission Units #'s S2.220 – S2.223 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore, in tons for **S2.220 – S2.223** each, on a daily basis.
      ii. Monitor and record the hours of operation for **S2.220 – S2.223** each, on a daily basis.
      iii. Conduct and record an annual check of all bags contained in **Baghouse (MRB-01)**.
      iv. Conduct and record a weekly reading of differential pressure on **Baghouse (MRB-01)**, and verify that they are within the range established by the baghouse manufacturer; record the time of the reading and the differential pressures. **S2.220 – S2.223** each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.220 – S2.223** each, are operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         (e) The results of the weekly differential pressure readings for **Baghouse (MRB-01)**.
         (f) Records and results of the annual check of bags contained in **Baghouse (MRB-01)**.

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Section VI. Specific Operating Conditions (continued)

CH. Emission Units #'s S2.220 – S2.223 (continued)

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program* (Continued)
   b. Performance/Compliance Testing
   Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:
      i. Conduct and record the following performance tests on the exhaust stack of **(Baghouse MRB-01)** consisting of three valid runs at the maximum throughput rate subject to CH.3.a. of this section.
         (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM_{10}.
         (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
      ii. The Method 201A and Method 202 tests required in CH.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in CH.2. of this section.
      iii. Performance tests required under CH.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in CH.3.a. of this section, shall be subject to the director's review to determine if the throughput during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration then, the director may order additional performance testing for the purpose of a compliance demonstration.
      iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of **(Baghouse MRB-01)** concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with a 6-minute average is determined.
      v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee based on representative performance of the affected facility. The permittee shall make available to the director such records as may be necessary to determine the conditions of the tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
      vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CI. Emission Units # PF1.049 & PF1.050 East 568.163 km, North 4,514.767 km, UTM (Zone 11)
East 567.391 km, North 4,515.200 km, UTM (Zone 11) **(added March 19, 2008)**

CI. System 87 – Ore Stockpile Drops (Added on December 6, 2007)		
PF	1.049	Radial stacker discharge to undersize stockpile
PF	1.050	Inclined belt feeder discharge to oversize stockpile

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Control Equipment
   Emissions from **PF1.049 & PF1.050 each,** shall be controlled by best operational practices.

2. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Emission Limits
   a. On and after the date of startup of **PF1.049 & PF1.050,** the permittee will not discharge or cause the discharge into the atmosphere from **PF1.049 & PF1.050 combined**, the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.672** pound per hour, nor more than **0.504** ton per year, based on a 12-month rolling period. This limit is less than the **77.59** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by CI.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed **1.92** pounds per hour, nor more than **1.44** tons per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(State Only Requirement)* – The opacity from **PF1.049 & PF1.050 each** will not equal or exceed 20%.
   b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
      On and after the sixtieth day after achieving the maximum production rate at which **PF1.049 & PF1.050 each** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
      i. Process fugitive emissions from **PF1.049 & PF1.050 each** will not exceed 10 percent opacity (40 CFR Part 60.382(b).
      ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
      iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.049 & PF1.050 each** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CI. Emission Units # PF1.049 & PF1.050 (continued)

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable throughput rate for **PF1.049 & PF1.050 each,** will not exceed **1000.0** tons of **as fed ore** per any one-hour period.
   b. The maximum annual throughput rate for **PF1.049 & PF1.050 each,** will not exceed **1,500,000.0** tons of **as fed ore** per year, based on a 12-month rolling period.
   c. Hours
      PF1.049 & PF1.050 each, may operate **8760** hours per year.

4. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   a. Monitoring, Record keeping and Compliance
      The Permittee, upon issuance of this operating permit will:
      i. Monitor and record the throughput rate of as fed ore for **PF1.049 & PF1.050 each,** on a daily basis.
      ii. Monitor and record the hours of operation for **PF1.049 & PF1.050 each,** on a daily basis.
      iii. Monitor and record the throughput rate of as fed ore for **PF1.049 & PF1.050 each,** on a cumulative monthly basis, for each 12-month rolling period.
      iv. Conduct and record a weekly visible emission inspection on **PF1.049 & PF1.050 each**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
      v. The required monitoring established in (i.) through (iv.) above, will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **PF1.049 & PF1.050** are operating:
         a. The calendar date of any required monitoring.
         b. The total daily throughput rate of as fed ore, in tons, for the corresponding date.
         c. The total daily hours of operation for the corresponding date.
         d. The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
         e. The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
         f. Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

5. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Shielded Requirements

   No Shielded Requirements

**************End of Specific Operating Conditions*************

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VII. Emission Caps

A. **Cap for Emission Units S2.120 - S2.156 (Roaster "Umbrella" Units)**

1. Emission Limits
When operating under the provisions of Part A of this Section, the emission limits and fuel consumption limits specified in **AP.2** of Section VI of this operating permit do not apply for those pollutants limited under this paragraph. On and after the date of startup of **S2.120 - S2.156, S2.120A – S2.156A,** and during periods specified by Permittee as operating under the provisions of Part A of this Section, the permittee will not discharge or cause the discharge into the atmosphere from **S2.120 – S2.156 combined**, the following pollutants in excess of the following specified limits:

   a. The combined discharge of **PM_{10}** (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed more than **129.54** tons per year, based on a 12-month rolling period.
   b. The combined discharge of **PM** (particulate matter) to the atmosphere will not exceed more than **129.54** tons per year, based on a 12-month rolling period.
   c. The combined discharge of **SO_2** (sulfur dioxide) to the atmosphere will not exceed more than **218.61** tons per year, based on a 12-month rolling period.
   d. The combined discharge of **NO_x** (nitrogen oxides) to the atmosphere will not exceed more than **214.80** tons per year, based on a 12-month rolling period.
   e. The combined discharge of **CO** (carbon monoxide) to the atmosphere will not exceed more than **97.10** tons per year, based on a 12-month rolling period.
   f. The combined discharge of **VOC** (volatile organic compounds) to the atmosphere will not exceed more than **35.39** tons per year, based on a 12-month rolling period.

2. Monitoring, Recordkeeping, Reporting and Compliance
   a. Permittee shall demonstrate compliance with the annual emissions cap in **Section VII.A.1. a. through f.** of this operating permit by multiplying the most recent tested pound per hour emission rate as established in **Sections VI. AP. through Sections VI. AX**., by the operating hours per day for **S2.120 – S2.156** to obtain a daily emission rate in units of pounds per day. Permittee shall then add the pounds per day for **S2.120 – S2.156** each day to get a monthly total in pounds per month. Permittee shall then convert the monthly emission rate to units of tons per month. Permittee shall total the emission rates from all stacks for a cumulative monthly total (in tons); then the Permittee shall add the cumulative monthly total (in tons) to that of the previous 11 months cumulative total (in tons) to obtain a rolling 12-month emission total.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VIII. Surface Area Disturbance Conditions

Surface area disturbance in excess of 20 acres.

A. NAC 445B.22037

Fugitive Dust

1. No person may cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, no person may cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.

B. State Implementation Plan (SIP) Article 7.3

In accordance with SIP Article 7.3, a plan for the control of particulate matter will be submitted within 60 days days of issuance date of this permit. Acceptance of the plan for the control of particulate matter by the Administrator does not limit the permittee's need to control particulate matter, nor from putting into effect the ongoing program using the best practical methods as required in A.1and A.2, of this section.

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section IX. Schedules of Compliance

A. Chemical Accident Prevention Provisions

The permittee shall:

1. Submit a compliance schedule for meeting the requirements of 40 CFR Part 68.215 by the date provided in 40 CFR Part 68.10(a) or;
2. Submit as part of the compliance certification submitted under 40 CFR Part 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 CFR Part 68.215, including the registration and submission of the risk management plan.

B. Plan for reduction of emissions

1. Any person who is able to cause or permit the emission of 100 tons (90.7 metric tons) or more per year of a regulated air pollutant from a stationary source shall prepare and submit to the director a plan for reducing or eliminating that emission in accordance with the episode stages of alert, warning, and emergency as defined in the air quality plan for the State of Nevada. (NAC 445B.230)
2. The permittee shall submit the above-mentioned plan for reducing or eliminating emissions within 180 days of issuance of this Operating Permit.

**************End of Schedules of Compliance****************

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section X. Amendments

April 15, 2004 – Minor Revision Application received on February 24, 2004: Added Systems 03a., 03b., & 03c. – Reagent Mix Tanks 1, 2 & 3 for the New Flotation Circuit at Mill 5.

November 7, 2006 – Minor Revision Application (Aircase # 07AP0043) received on July 24, 2006: Increased discharge rate from two lime silos (Systems 63 & 65) and revised PM and PM_{10} emission rates for Systems 62 & 64 resulting in an increase of PM emissions of 0.24 ton per year and an increase of PM_{10} emissions of 0.08 ton per year. Removed Systems 22, 23, 24, 27, 28, 29, 30, 31 & 32 as these systems were never constructed.

March 26, 2007 – Minor Revision Application (Aircase # 07AP0216) received on December 14, 2006: Increased annual fuel useage rate for Acid Plant Start-up Heater (System 45) resulting in annual emissions increases of the following pollutants as follows: PM_{10} = 0.55 tpy, SO_2 = 0.39 tpy, NO_x = 5.59 tpy, CO = 1.40 tpy, VOC = 0.22 tpy.

December 6, 2007 – Minor Revision Application (Aircase # 08AP0040) received on July 30, 2007: Removed two mercury retort furnaces (S2.046.1 and S2.046.2; Added an Underground Metal Removal Plant resulting in annual emissions increases as follows: PM = 6.28 tpy, PM_{10} = 4.4 tpy.

March 19, 2008 – Amend Systems 85, 86, and 87, Underground Ore Metal Removal Plant, to add location East 567.391 km, North 4,515.220.

March 12, 2009 – Minor Revision Application (Aircase # 09AP0139). Add Systems 4A-11A-12A-19A-41A. Revise VOC emissions limits for System 72-73. Revise hourly emission limits, hourly throughput, and annual operating hours for System 81.
Annual emissions increases: PM = 12.39 tpy, PM_{10} = 4.46 tpy, VOC = 19.22 tpy.

This permit:

1. **Is non-transferable. (NAC 445B.287) *Part 70 Program***
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318)(State Only Requirement)**
3. **Will expire and be subject to renewal five (5) years after the issuance date of *February 25, 2004* NAC 445B.315) *Part 70 Program***
4. **A completed application for renewal of an operating permit must be submitted to the director on the form provided by him with the appropriate fee at least 180 calendar days before the expiration date of this operating permit. (NAC 445B.323.2) *Part 70 Program***
5. **Any party aggrieved by the Department's decision to issue this permit may appeal to the State Environmental Commission (SEC) within ten days after the date of notice of the Department's action. (NRS 445B.340)(State Only Requirement)**

THIS PERMIT EXPIRES ON: ***February 25, 2009***

Signature _____

Issued by: Matthew A. DeBurle
Supervisor, Class I Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687-9350 Date: **March 12, 2009**

Rm
Revised: 04/15/04; 11/07/2006, 3/26/2007, 12/6/2007, 3/19/2008 Rp 03/12/2009

Class I Non-Permit Equipment List

Appended to Newmont Mining Corporation AP1041-0793

Emission Unit #	Emission Unit Description
IA1.001	Air Conditioning Equipment or fuel burning equipment having a rating of less than 4 Million Btu's per hour.
IA1.002	Motor vehicles and special mobile equipment.
IA1.003	Portable internal combustion engines that, individually, have a rating less than 500 horsepower output, or equal to or greater than 500 horsepower output, but operating less than 100 hours per calendar year.
IA1.004	Stationary internal combustion engines that, individually, have a rating less than 250 horsepower output, or equal to or greater than 250 horsepower output, but operating less than 100 hours per calendar year.
IA1.005	Emergency generators as defined in NAC 445B.288.2(h)
IA1.006	Prill Silos, with throughput less than 100,000 tons per year.
IA1.007	Parts cleaner – cold cleaning only
IA1.008	Storage tanks with the following dimensions: Non-HAP VIL, less than 40,000 gallons storage capacity with a vapor pressure less than 0.60 psia. Non-HAP VIL, less than 200,000 gallons storage capacity with a vapor pressure less than 0.13 psia. HAP VIL, less than 40,000 gallons storage capacity with a vapor pressure less than 0.15 psia. HAP VIL, less than 200,000 gallons storage capacity with a vapor pressure less than 0.03 psia. Storing Liquid NaCN.
IA1.009	Carbon stripping/electrowinning circuit, with a total liquid surface area of less than 610 square feet and a solution flow rate of less than 400 gallons per minute.
IA1.010	Mine analytical laboratory fume hoods.
IA1.011	Mine metallurgical laboratory fume hoods.
IA1.012	Land farming of not more than 270,000 tons per year of diesel-based hydrocarbon Contaminated soil, with a concentration of less than 50,000 ppm Total Petroleum Hydrocarbons.
IA1.013	Land farming of not more than 338 tons per year of gasoline-based hydrocarbon Contaminated soil, with a concentration of less than 50,000 ppm Total Petroleum Hydrocarbons.
IA1.014	Portable screening plant, processing less than or equal to 100,000 tons of metallic mineral, in less than six months, with greater than or equal to 4% moisture content.
IA1.015	Cooling Towers (< 2 tpy of PM_{10} emissions)