



STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION  
BUREAU OF AIR POLLUTION CONTROL  
333 WEST NYE LANE  
CARSON CITY, NEVADA 89706-0851

**NO. AP1041-0739.01**

**CLASS I AIR QUALITY OPERATING PERMIT**

**Issued to:** Barrick Goldstrike Mines Inc., hereafter called the Permittee

**Mailing Address:** P.O. BOX 29, ELKO, NEVADA 89803

**Physical Address:** 27 MILES NORTH OF CARLIN, OFF STATE ROUTE 766

**General Facility Location:** Sections 1 through 4, T35N, R49E; Sections 12 through 15, 21 through 28, and 33 through 36, T36N, R49E; Sections 7 through 9, 16 through 21, and 28 through 32, T36N, R50E, MDB&M (HA 61)

**Emission Unit List:**

**A. System 01 - Mill #1 Lime Silo**

S 2.001 Lime silo, 120 ton, loading  
PF 1.009 Lime silo, 120 ton, discharge to screw conveyor  
PF 1.009.1 Lime silo, 120 ton, screw conveyor transfer to mill conveyor

**B. System 02 – Boulder Valley Water Treatment Plant Lime Silo**

S 2.080 Lime silo, 500 ton, loading  
PF 1.027 Lime silo, 500 ton, discharge to screw conveyor  
PF 1.028 Lime silo, 500 ton, screw conveyor transfer to mill conveyor

**C. System 03 – Removed as part of the Renewal Process**

**D. System 04 - Boilers #2 and #3 Autoclave Circuit**

S 2.022 Boiler #2, Foster Wheeler model No. AG-5110B  
S 2.023 Boiler #3, Foster Wheeler model No. AG-5110B

**E. System 05 - Boiler #4 Autoclave Circuit**

S 2.024 Boiler #4, Foster Wheeler model No. AG-5175C

**F. System 06 - Autoclave Lime Silo #5**

S 2.031.1 Lime silo #5, 28 ton, loading  
PF 1.021.1 Lime silo #5, 28 ton, discharge to screw conveyor  
PF 1.021.2 Lime silo #5, 28 ton, screw conveyor transfer

**G. System 07 – Mill #2 Lime Silo**

S 2.002 Lime silo, 120 ton, loading  
PF 1.016 Lime silo, 120 ton, discharge to screw conveyor  
PF 1.016.1 Lime silo, 120 ton, screw conveyor transfer

**H. System 08 - Magnesium Oxide Silo Boulder Valley Water Treatment Plant**

S 2.081 Magnesium oxide silo, 200 ton, loading  
PF 1.029 Magnesium oxide silo, 200 ton, discharge to screw conveyor  
PF 1.030 Magnesium oxide silo, 200 ton, screw conveyor transfer



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**Emission Unit List (continued):**

**I. System 09 - Roaster Primary Crushing and Conveyance**

- S 2.201.1 Dump hopper
- S 2.201.2 Gyratory crusher
- S 2.201.3 Apron feeder
- S 2.201.4 Transfer conveyor transfer to feed conveyor
- S 2.201.5 Baghouse hopper transfer to feed conveyor

**J. System 10 - Roaster Dump Hopper**

- PF 1.201 Primary crusher dump hopper loading (process fugitive emissions)

**K. System 11 - Roaster Secondary Crushing and Conveyance**

- S 2.202.1 Feed conveyor transfer to screen
- S 2.202.2 Screen
- S 2.202.3 Screen transfer to stacking conveyor
- S 2.202.4 Cone crusher
- S 2.202.5 Cone crusher transfer to stacking conveyor
- S 2.202.6 Baghouse hopper transfer to stacking conveyor

**L. System 12 - Roaster Crushed Ore Conveyance**

- PF 1.202 Coarse ore stacking conveyor

**M. System 13 - Ore/Lime Mills Feed Process**

- S 2.203.1 Mill #1 apron feed system transfer
- S 2.203.2 Mill #2 apron feed system transfer
- S 2.203.3 Emergency Mill #1 apron feed system transfer
- S 2.203.4 Emergency Mill #2 apron feed system transfer
- S 2.203.5 Lime transfer to Mill #1 or Mill #2 belt conveyor
- S 2.203.6 Baghouse hopper transfer to Mill #2 feed conveyor

**N. System 14 - Emergency Reclaim Hoppers (Loading) Process**

- PF 1.203.1 Mill #1 hopper
- PF 1.203.2 Mill #2 hopper

**O. System 15A - Roaster Mill Circuit: Mill #1 Air Pre-heater**

- S 2.204 Mill #1 air pre-heater



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**Emission Unit List (continued):**

**O. System 15B - Roaster Mill Circuit: Mill #1 Dry Grinding Process**

- S 2.205.01 Mill #1 feed conveyor
- S 2.205.02 Mill #1 double rotator grinding mill
- S 2.205.03 Mill #1 grinding mill to bucket elevator air slide system
- S 2.205.04 Mill #1 bucket elevator
- S 2.205.05 Mill #1 bucket elevator to dynamic classifier air slide system
- S 2.205.06 Mill #1 dynamic classifier
- S 2.205.07 Mill #1 dynamic classifier to grinding mill air slide system
- S 2.205.08 Mill #1 product recovery baghouse to roaster #1 silo air slide system
- S 2.205.09 Mill #1 pick-up point baghouse to roaster #1 silo air slide system
- S 2.205.10 Mill #1 static classifier
- S 2.205.11 Roaster #1 silo
- S 2.205.12 Ball chip removal system

**P. System 16A - Roaster Mill Circuit: Mill #2 Air Pre-heater**

- S 2.206 Mill #2 air pre-heater

**P. System 16B - Roaster Mill Circuit: Mill #2 Drying Grinding Process**

- S 2.207.01 Mill #2 feed conveyor
- S 2.207.02 Mill #2 double rotator grinding mill
- S 2.207.03 Mill #2 grinding mill to bucket elevator air slide system
- S 2.207.04 Mill #2 bucket elevator
- S 2.207.05 Mill #2 bucket elevator to dynamic classifier air slide system
- S 2.207.06 Mill #2 dynamic classifier
- S 2.207.07 Mill #2 dynamic classifier to grinding mill air slide system
- S 2.207.08 Mill #2 product recovery baghouse to roaster #2 silo air slide system
- S 2.207.09 Mill #2 pick-up point baghouse to roaster #2 silo air slide system
- S 2.207.10 Mill #2 static classifier
- S 2.207.11 Roaster #2 silo
- S 2.207.12 Ball chip removal system



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**Emission Unit List (continued):**

**Q. System 17 - Roaster Circuit: Roaster #1 and Roaster #2 Feed Process**

- S 2.208.01 Roaster #1 silo to feed box air slide system
- S 2.208.02 Feed box to roaster #1 belt air slide system
- S 2.208.03 Roaster #1 belt
- S 2.208.04 Roaster #1 belt to bucket elevator air slide system
- S 2.208.05 Roaster #1 bucket elevator
- S 2.208.06 Roaster #1 elevator to fluidized feeder air slide system
- S 2.208.07 Roaster #1 fluidized feeder
- S 2.208.08 Roaster #1 baghouse hopper transfer to feed box
- S 2.208.09 Coal transfer to roaster #1 - bucket elevator
- S 2.208.10 Roaster #2 silo to feed box air slide system
- S 2.208.11 Feed box to roaster #2 belt air slide system
- S 2.208.12 Roaster #2 belt
- S 2.208.13 Roaster #2 belt to bucket elevator air slide system
- S 2.208.14 Roaster #2 bucket elevator
- S 2.208.15 Roaster #2 elevator to fluidized feeder air slide system
- S 2.208.16 Roaster 2 fluidized feeder
- S 2.208.17 Roaster #2 baghouse hopper transfer to feed box
- S 2.208.18 Coal transfer to roaster #2 - bucket elevator

**R. System 18 - Roaster Circuit: Ore Roasting Process**

- S 2.209.1 Roaster #1
- S 2.209.2 Roaster #2

**S. System 19 - Roaster Circuit: Quenching Process**

- S 2.210 Roaster #1 quench tank
- S 2.211 Roaster #2 quench tank

**T. System 20 - Ancillary Roaster Processes: Coal Silo**

- S 2.212 Coal silo, 200 ton, loading
- PF 1.204 Coal silo discharge to screw conveyor

**U. System 21 - Ancillary Roaster Processes: Propane Vaporizers**

- S 2.213 Propane vaporizer #1
- S 2.214 Propane vaporizer #2
- S 2.215 Propane vaporizer #3

**V. System 22 - Ancillary Roaster Processes: Slaked Lime Silo**

- S 2.216 Lime silo, slaking, 1,000 ton, loading
- PF 1.205 Lime silo, slaking, discharge to screw conveyor



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***Emission Unit List (continued):***

**W. System 23 - Ancillary Roaster Processes: Roaster Mill Lime Silo**

- S 2.217 Roaster mill lime silo, 500 ton, loading
- PF 1.206 Roaster mill lime silo discharge to mill #1 screw conveyor
- PF 1.207 Roaster mill lime silo discharge to mill #2 screw conveyor

**X. System 24 - Ancillary Roaster Processes: Soda Ash Silo**

- S 2.218 Soda ash silo, 200 ton, loading
- PF 1.208 Soda ash silo discharge to screw conveyor

**Y. System 25 - Ancillary Roaster Processes: Fuel Oil Storage**

- S 2.219 Gasoline storage tank, 16,000 gallon capacity

**Z. System 26 - Ancillary Roaster Processes: Liquid Oxygen Vaporizer**

- S 2.220 Liquid oxygen vaporizer

**AA. System 27 - Ancillary Roaster Processes: Vacuum Housekeeping System**

- S 2.221 Vacuum housekeeping system

**AB. System 28 - Ancillary Roaster Processes: Scrubber Water Cooling Tower**

- S 2.222 Scrubber water cooling tower

**AC. System 29 - Ancillary Roaster Processes: Quench Water Cooling Tower**

- S 2.223 Quench water cooling tower

**AD. - AV. Systems 30 through 48 – Removed from Permit on January 3, 2002**

**AW. System 49 - Meikle Backfill/Cement Feed Plant Feed Hopper**

- PF 1.119 Feed hopper (loading)
- PF 1.120 Feed hopper (discharge)

**AX. System 50 - Meikle Backfill/Cement Feed Plant Feed Conveyor**

- PF 1.121 Feed conveyor (discharge)

**AY. System 51 - Meikle Backfill/Cement Feed Plant Silo #1**

- S 2.101 Cement/ash silo #1 (loading)
- PF 1.122 Cement/ash silo #1 (discharge)
- PF 1.122.1 Cement/ash silo #1 (screw conveyor transfer)

**AZ. System 52 - Meikle Backfill/Cement Feed Plant Silo #2**

- S 2.102 Cement/ash silo #2 (loading)
- PF 1.123 Cement/ash silo #2 (discharge)
- PF 1.123.1 Cement/ash silo #2 (screw conveyor transfer)



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***Emission Unit List (continued):***

**BA. System 53 - Surface Concrete Batch Plant Cement/Fly Ash Silo**

S 2.301 Cement/fly ash silo (pneumatic loading)

**BB. System 54 - Surface Concrete Batch Plant Cement/Fly Ash Silo**

S 2.302 Cement/fly ash silo (pneumatic loading)

**BC. System 55 - Surface Concrete Batch Plant**

PF 1.321 Sand/aggregate loading to storage bin(s)

**BD. System 56 - Surface Concrete Batch Plant**

PF 1.322 Weigh hopper loading

**BE. System 57 – Removed: Not constructed, removed from inventory November 19, 1999.**

**BF. System 58 - Surface Concrete Batch Plant**

PF 1.324 Truck mixer loading

**BG. System 59 - Meikle Shotcrete Load-out Station**

PF 1.325 Delivery truck (discharge)

**BH. System 60 - Meikle Shotcrete Loadout Station**

PF 1.326 Screw conveyor (discharge)

**BI. System 61 - Carbon Reactivation Kiln #2**

S 2.004.1 Carbon kiln #2 drum

S 2.004.2 Carbon kiln #2 burner

**BJ. System 62 - Meikle Production Shaft**

PF 1.101 Skips - discharge/transfer to upper chute

PF 1.102 Upper chute discharge - transfer to one of two transfer cars

PF 1.103 Transfer cars discharge - transfer to one of two lower chutes

PF 1.104 Bins loading - lower chutes discharge to one of two bins

PF 1.105 Bins discharge - transfer to haul truck



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**Emission Unit List (continued):**

**BK. System 63 - Autoclave Lime Silos #1 through #4**

S	2.028	Lime silo #1, 250 ton, loading
PF	1.018	Lime silo #1, 250 ton, discharge
S	2.029	Lime silo #2, 500 ton, loading
PF	1.019	Lime silo #2, 500 ton, discharge
S	2.030	Lime silo #3, 500 ton, loading
PF	1.020	Lime silo #3, 500 ton, discharge
S	2.031	Lime silo #4, 1,000 ton, loading
PF	1.021	Lime silo #4, 1,000 ton, discharge

**BL. System 64 - Mill #1 Primary and Tertiary Crushing Process**

PF	1.001	Ore hopper
PF	1.003	Jaw crusher
PF	1.004	Apron feeder
PF	1.005	Cone crusher
PF	1.005.01	Conveyor (cone outlet)
PF	1.006	Conveyor #001 (jaw outlet)
PF	1.007	Conveyor/radial stacker #002
PF	1.008	Conveyor #003 (mill inlet)
PF	1.008.1	Apron feeders (load and discharge)

**BM. System 65 - Mill #2 Primary and Tertiary Crushing Process**

PF	1.010	Conveyor #304 (fixed stacker)
PF	1.011	Dump pocket
PF	1.012	Gyratory crusher
PF	1.013	Conveyor #101 (gyratory outlet)

**BM. System 65 - Mill #2 Primary and Tertiary Crushing Process (Continued)**

PF	1.014	Cone crusher
PF	1.014.1	Conveyor (cone outlet)
PF	1.015	Conveyor #301 (mill inlet)
PF	1.015.1	Apron feeders (loading and discharge)

**BN. System 66 - Autoclave Circuit**

S	2.015	Autoclave #1
S	2.016	Autoclave #2
S	2.017	Autoclave #3
S	2.018	Autoclave #4
S	2.019	Autoclave #5
S	2.020	Autoclave #6



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***Emission Unit List (continued):***

**BO. System 67 - Mercury Retorts**

- S 2.009 Mercury retort #1
- S 2.010 Mercury retort #2
- S 2.011 Mercury retort #3

**BP. System 68 - Furnaces**

- S 2.013 West melting furnace
- S 2.014 East melting furnace

**BQ. System 69 - Analytical Laboratories Sample Preparation**

- S 2.033 Laboratory crusher
- S 2.034 Laboratory crusher
- S 2.035 Laboratory crusher
- S 2.036 Laboratory crusher
- S 2.037 Laboratory crusher
- S 2.038 Laboratory crusher
- S 2.039 Laboratory crusher
- S 2.040 Laboratory crusher
- S 2.041 Laboratory crusher
- S 2.042 Laboratory pulverizer
- S 2.043 Laboratory pulverizer
- S 2.044 Laboratory pulverizer
- S 2.045 Laboratory pulverizer

**BQ. System 69 - Analytical Laboratories Sample Preparation (Continued)**

- S 2.046 Laboratory pulverizer
- S 2.047 Laboratory pulverizer
- S 2.048 Laboratory pulverizer
- S 2.049 Laboratory pulverizer
- S 2.050 Sample reject conveyor



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***Emission Unit List (continued):***

**BR. System 70 - Analytical Laboratory, Fire Assay Facility**

S	2.051	Assay furnace
S	2.052	Assay furnace
S	2.053	Assay furnace
S	2.054	Assay furnace
S	2.055	Assay furnace
S	2.056	Assay furnace
S	2.057	Assay furnace
S	2.058	Assay furnace
S	2.059	Assay furnace
S	2.060	Assay furnace
S	2.061	Assay furnace
S	2.062	Assay furnace
S	2.063	Assay furnace
S	2.064	Assay furnace
S	2.065	Tumbler
S	2.065.1	Mixed flux dispenser
S	2.066	Drag conveyor
S	2.066.01	Furnace table
S	2.066.02	Furnace table
S	2.066.03	Furnace table
S	2.066.04	Furnace table
S	2.066.05	Furnace table
S	2.066.05	Furnace table
S	2.066.06	Furnace table
S	2.066.07	Furnace table
S	2.066.08	Furnace table
S	2.066.09	Furnace table
S	2.066.10	Furnace table
S	2.066.11	Furnace table
S	2.066.12	Furnace table
S	2.066.14	Furnace table
S	2.066.15	Waste crusher

***Emission Unit List (continued):***



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**BS. System 71 - Metallurgical Laboratory Sample Preparation**

- S 2.067 Crusher
- S 2.068 Crusher
- S 2.072 Pulverizer

**BT. System 72 - Metallurgical Laboratory, Fire Assay Facility**

- S 2.074 Furnace
- S 2.075 Furnace
- S 2.076 Furnace
- S 2.077 Furnace

**BU. System 73 - AA Block Heap Leach Lime Silo**

- S 2.079 Lime silo (loading)
- PF 1.027 Lime silo (discharge)

**BV. System 74 - Propane Vaporizers**

- S 2.025 Propane vaporizer #1
- S 2.026 Propane vaporizer #2
- S 2.027 Propane vaporizer #3

**BW. System 75 - Fuel Storage Tanks**

- S 2.080 Fuel oil storage tank, 150,000 gallons
- S 2.081 Fuel oil storage tank, 250,000 gallons
- S 2.082 Gasoline storage tank, 12,000 gallons
- S 2.083 Fuel oil storage tank, 34,200 gallons

**BX. System 76 - Meikle Mine Air Heaters**

- S 2.104 Air heater #1
- S 2.105 Air heater #2
- S 2.106 Air heater #3
- S 2.107 Air heater #4

**BY. System 77 - Rodeo Shaft**

- PF 1.125 Skip (discharge)
- PF 1.126 Chute (discharge)

**BZ. System 78 - Cooling Tower**

- S 2.224 Oxygen plant cooling tower

**CA. - CB. Systems 79 and 80 – Removed as part of the Renewal Process**

***Emission Unit List (continued):***



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**CC. System 81 - Rodeo Backfill Mixing Plant Cement/Fly Ash Silos #1 and #2**

- S 2.303 Cement/fly ash silo #1 (loading)
- S 2.304 Cement/fly ash silo #2 (loading)
- PF 1.335 Cement/fly ash silo #1 discharge/transfer to screw conveyor
- PF 1.336 Cement/fly ash silo #2 discharge/transfer to screw conveyor

**CD. System 82 - Rodeo Backfill Mixing Plant Slurry Mixer**

- PF 1.340 Mixer loading

**CE. - CF. Systems 83 and 84 – Removed from Permit on January 3, 2002**

**CG. System 85 - Rodeo Backfill Feed Plant Aggregate Feed**

- PF 1.347 Feed hopper loading

**CH. System 86 - Rodeo Shotcrete Loadout Station**

- PF 1.350 Delivery truck discharge
- PF 1.351 Screw conveyor discharge

**CI. System 87 - Rodeo Mine Air Heaters**

- S 2.307 Mine air heater #1
- S 2.308 Mine air heater #2
- S 2.309 Mine air heater #3
- S 2.310 Mine air heater #4

**CJ. System 88 - Backup Crushing System**

- PF 1.352 Crusher feeder (load)
- PF 1.353 Crusher feeder (discharge)
- PF 1.354 Primary crusher
- PF 1.355 Crusher outlet conveyor transfer
- PF 1.356 Conveyor transfer
- PF 1.357 Hopper (load)
- PF 1.358 Hopper (discharge)
- PF 1.359 Conveyor transfer

**CK. System 89 – Removed from Permit on January 3, 2002**

**CL. System 90 - Electric Power Generators**

- S 2.311.1 Diesel-fueled engine electric generator #1 (autoclave) (MP-750, Autoclave)
- S 2.311.2 Diesel-fueled engine electric generator #2 (autoclave) (MP-598, Autoclave)
- S 2.311.3 Diesel-fueled engine electric generator #3 (autoclave) (MP-606, Autoclave)
- S 2.311.4 Diesel-fueled engine electric generator #4 (autoclave) (MP-607, Autoclave)

***Emission Unit List (continued):***

**CM. System 91 - Electric Power Generators**



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- S 2.312.1 Diesel-fueled engine electric generator #5 (Mill) (MP-608, Mill)
- S 2.312.2 Diesel-fueled engine electric generator #10 (Meikle) (KCG-002, Meikle)

**CN. System 92 - Electric Power Generators**

- S 2.313.1 Diesel-fueled engine electric generator #6 (Roaster) (MP-610, Roaster)
- S 2.313.2 Diesel-fueled engine electric generator #7 (Roaster) (MP-705, Roaster)
- S 2.313.3 Diesel-fueled engine electric generator #8 (Roaster) (MP-706, Roaster)
- S 2.313.4 Diesel-fueled engine electric generator #9 (Rodeo) (MP-704, Rodeo)

Removed S2.313.5 Diesel-fueled engine electric generator #12 (Boulder Valley) as part of renewal process

**CO. System 93 – Removed as part of the Renewal Process**

**Emissions Cap: Systems 90, 91 & 92 - Electric Power Generators (See Section VII.B)**

- S 2.311.1 Diesel-fueled engine electric generator #1 (autoclave) (MP-750, Autoclave)
- S 2.311.2 Diesel-fueled engine electric generator #2 (autoclave) (MP-598, Autoclave)
- S 2.311.3 Diesel-fueled engine electric generator #3 (autoclave) (MP-606, Autoclave)
- S 2.311.4 Diesel-fueled engine electric generator #4 (autoclave) (MP-607, Autoclave)
- S 2.312.1 Diesel-fueled engine electric generator #5 (Mill) (MP-608, Mill)
- S 2.312.2 Diesel-fueled engine electric generator #10 (Meikle) (KCG-002, Meikle)
- S 2.313.1 Diesel-fueled engine electric generator #6 (Roaster) (MP-610, Roaster)
- S 2.313.2 Diesel-fueled engine electric generator #7 (Roaster) (MP-705, Roaster)
- S 2.313.3 Diesel-fueled engine electric generator #8 (Roaster) (MP-706, Roaster)
- S 2.313.4 Diesel-fueled engine electric generator #9 (Rodeo) (MP-704, Rodeo)

***Emission Unit List (continued):***

**CP. System 95 - Backfill Crushing and Screening Plant**

- PF 1.400 Jaw crusher pan feeder #1 (load)



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PF 1.401	Jaw crusher pan feeder #2 (load)
PF 1.402	Jaw crusher pan feeder #1 (discharge)
PF 1.403	Jaw crusher pan feeder #2 (discharge)
PF 1.404	Jaw crusher #1
PF 1.405	Jaw crusher #2
PF 1.406	Cone crusher #1 and associated transfer belts
PF 1.407	Cone crusher #2 and associated transfer belts
PF 1.408	Reject screen and transfer belts
PF 1.409	(A) half of twin screen and transfer belts
PF 1.410	(B) half of twin screen and transfer belts
PF 1.411	Truck loadout surge bin (discharge)
PF 1.412	Twin screen feed conveyor transfer
PF 1.413	Conveyor transfer
PF 1.414	Conveyor transfer
PF 1.415	Conveyor transfer
PF 1.416	Conveyor transfer
PF 1.417	Conveyor transfer
PF 1.418	Conveyor transfer
PF 1.419	Conveyor transfer
PF 1.420	Conveyor transfer
PF 1.421	Conveyor transfer
PF 1.422	Conveyor transfer
PF 1.423	Conveyor transfer
PF 1.424	Conveyor transfer
PF 1.425	Conveyor transfer
PF 1.426	Conveyor transfer
PF 1.427	Conveyor transfer
PF 1.428	Conveyor transfer
PF 1.429	Conveyor transfer
PF 1.430	Conveyor transfer
PF 1.431	Conveyor transfer
PF 1.432	Conveyor transfer
PF 1.433	Stacker conveyor transfer
PF 1.434	Stacker conveyor transfer
PF 1.435	Stacker conveyor transfer
PF 1.436	Stacker conveyor transfer

***Emission Unit List (continued):***

**CQ. System 96 - Shotcrete Plant with Aggregate Dryer**

PF 1.437	Bins #1 and #2 (loading)
PF 1.438	Bins #1 and #2 (discharge)



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PF 1.439	Feeders (discharge)
PF 1.440	Feeder belt (discharge)
S 2.400.1	Dryer
S 2.400.2	Blending screen
S 2.400.3	Bucket elevator
S 2.400.4	Loadout silo #1 (loading)
S 2.400.5	Loadout silo #2 (loading)
S 2.400.6	Loadout silo #3 (loading)
PF 1.447	Scale belt (discharge)
S 2.401.1	Cement/fly ash silo #1 (loading)
S 2.401.2	Cement/fly ash silo #2 (loading)
PF 1.450	Cement/fly ash silo #1 (discharge)
PF 1.451	Cement/fly ash silo #2 (discharge)
PF 1.452	Auger #1 (discharge)
PF 1.453	Auger #2 (discharge)
PF 1.454	Loadout silo #1 (discharge to trucks)
PF 1.455	Loadout silo #2 (discharge to trucks)
PF 1.456	Loadout silo #3 (discharge to trucks)

**CR. System 97 - Intermediate Crushing System (Mill #1)**

PF 1.457.1	Feed hopper and feeder (load)
PF 1.457.2	Feed hopper and feeder (discharge)
PF 1.458	Conveyor transfer
PF 1.459	Double deck screen
PF 1.460	Double deck screen under conveyor transfer
PF 1.461	Conveyor transfer
PF 1.462	Conveyor transfer
PF 1.463	Cone crusher
PF 1.464	Stacker conveyor

**CS. System 98 – Indoor Air Dust Removal System (Added to Permit on April 15, 2005)**

S 2.084	Dust Removal System
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STATE OF NEVADA  
BUREAU OF AIR POLLUTION CONTROL

NO. AP1041-0739.01

CLASS I AIR QUALITY OPERATING PERMIT

Issued to: Barrick Goldstrike Mines Inc.

**Section I. General Conditions**

- A. Severability (Nevada Administrative Code (NAC) 445B.315.3(c)) (NAC 445B.315.2(c)) Federally Enforceable Part 70 Program  
Each of the conditions and requirements of this Operating Permit is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.
- B. Prohibited Acts (Nevada Revised Statute (NRS) 445B.470) State Only Requirement  
Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
  2. Fail to pay any fee;
  3. Falsify any material statement, representation or certification in any notice or report; or
  4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or NRS 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.
- C. Prohibited Discharge (NAC 445B.22013) State Only Requirement  
Permittee shall not cause or permit the discharge into the atmosphere from any stationary source of any hazardous air pollutant or toxic regulated air pollutant that threatens the health and safety of the general public, as determined by the director.
- D. Prohibited Conduct: Concealment of Emissions (NAC 445B.225) State Only Requirement  
Permittee shall not install, construct, or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.
- E. Concealment of Emissions Prohibited (NAC 445.663) Federally Enforceable State Implementation Plan (SIP) Requirement  
Except for the sole purpose of reducing the odor of an emission, Permittee shall not install, construct, or use any device which conceals any emission without reducing the total release of air contaminants to the atmosphere.
- F. Compliance/Noncompliance (NAC 445B.315.3(d)) (NAC 445B.315.2(d)) Federally Enforceable Part 70 Program  
Permittee shall comply with all conditions of this Operating Permit. Any noncompliance constitutes a violation and is a ground for:
1. An action for noncompliance;
  2. Revising, revoking, reopening and revising, or terminating the Operating Permit by the director; or
  3. Denial of an application for a renewal of the Operating Permit by the director.
- G. Time for Compliance (NAC 445.695.1) Federally Enforceable SIP Requirement  
Permittee's new and existing sources must comply with NAC 445.430 to 445.846, inclusive. Existing sources are in compliance with these regulations and may continue to operate under the provisions of their approved compliance schedules, which may be amended from time to time.
- H. Schedules for Compliance (NAC 445B.273) State Only Requirement  
Permittee must comply with NAC 445B.001 through 445B.3497, inclusive. Existing stationary sources are in compliance with those sections and may continue to operate under the provisions of their approved compliance schedules, which may be amended from time to time.
- I. Assertion of Emergency as Affirmative Defense to Action for Noncompliance (NAC 445B.326.1) Federally Enforceable Part 70 Program  
Permittee may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the Operating Permit if the holder of the Operating Permit demonstrates through signed, contemporaneous operating logs or other relevant evidence that:
1. An emergency occurred and the holder of the Operating Permit can identify the cause of the emergency;
  2. The facility was being properly operated at the time of the emergency;
  3. During the emergency, the holder of the Operating Permit took all reasonable steps to minimize excess emissions; and
  4. The holder of the Operating Permit submitted notice of the emergency to the director within 2 working days after the emergency. The notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken to restore the normal operation of the facility.
- J. NAC 445B.315.3(e) (NAC 445B.315.2(e)) Federally Enforceable Part 70 Program  
The need to halt or reduce activity to maintain compliance with the conditions of this Operating Permit is not a defense to noncompliance with any conditions of this Operating Permit.
- K. NAC 445B.315.3(f) (NAC 445B.315.2(f)) Federally Enforceable Part 70 Program  
The director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.



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**Section I. General Conditions (continued)**

- L. Termination, reopening and revision, modification, and revocation and reissuance (NAC 445B.325) *Federally Enforceable Part 70 Program*
1. A Class I operating permit must be reopened and revised to incorporate any additional applicable requirement adopted pursuant to the Act if, on the effective date of the applicable requirement, the operating permit has a remaining term of 3 or more years. The reopening must be completed no later than 18 months after the effective date of the applicable requirement.
  2. An operating permit may be terminated, reopened and revised, revised, or revoked and reissued if:
    - a. The director or the Administrator determines that the operating permit contains a material mistake or is based on inaccurate statements;
    - b. The director or the Administrator determines that the operating permit, as written, does not ensure compliance with all applicable requirements; or
    - c. The director determines that there has been a violation of any of the provisions of NAC 445B.001 to 445B.3497, inclusive, any applicable requirement, or any condition contained in the operating permit.
- M. Revocation and Reissuance (NAC 445B.3265) *State Only Requirement*
1. Permittee's operating permit may be revoked if the control equipment is not operating.
  2. Permittee's operating permit may be revoked by the director upon determining that there has been a violation of NAC 445B.001 to 445B.3497, inclusive, or the provisions of 40 C.F.R. § 52.21, or 40 C.F.R Part 60 or 61, Prevention of Significant Deterioration, New Source Performance Standards, and National Emission Standards for Hazardous Air Pollutants, adopted by reference in NAC 445B.221.
  3. The revocation is effective 10 days after the service of a written notice, unless a hearing is requested.
  4. To reissue a revoked operating permit, Permittee must file a new application with the director, accompanied by the fee for an initial operating permit as specified in NAC 445B.327. An environmental review of the stationary source must be conducted as though construction had not yet commenced.
- N. Revocation and Reissuance (NAC 445.715) *Federally Enforceable SIP Requirement*
1. Permittee's operating permit may be revoked if the control equipment is not operating.
  2. Permittee's operating permit may be revoked by the director upon determining that there has been a violation of NAC 445.430 through 445.846, inclusive, or 40 C.F.R. Parts 60 or 61, New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants.
  3. The revocation is effective 10 days after the service of a written notice, and the revoked operating permit must be surrendered immediately unless a hearing is requested.
- O. NAC 445B.315.3(g) (NAC 445B.315.2(g)) *Federally Enforceable Part 70 Program*  
This Operating Permit does not convey any property rights or any exclusive privilege.
- P. Requested Information (NAC 445B.315.3(h)) (NAC 445B.315.2(h)) *Federally Enforceable Part 70 Program*  
Permittee shall provide the director, within a reasonable time, with any information that the director requests in writing to determine whether cause exists for revising, revoking and reissuing, reopening and revising, or terminating this Operating Permit or to determine compliance with the conditions of this Operating Permit.
- Q. Fees (NAC 445B.315.3(i)) (NAC 445B.315.2(i)) *Federally Enforceable Part 70 Program*  
Permittee shall pay fees to the director in accordance with the provisions set forth in NAC 445B.327 and 445B.331.
- R. Right to Entry (NAC 445B.315.3(j)) (NAC 445B.315.2(j)) *Federally Enforceable Part 70 Program*  
Permittee shall allow the director or any authorized representative, upon the presentation of credentials, to:
1. Enter upon the premises of Permittee where:
    - a. The stationary source is located;
    - b. Activity related to emissions is conducted; or
    - c. Records are kept pursuant to the conditions of this Operating Permit;
  2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of this Operating Permit;
  3. Inspect, at reasonable times, any facilities, practices, operations, or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to this Operating Permit; and
  4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of this Operating Permit or applicable requirements.
- S. Certification (NAC 445B.315.3(k)) (NAC 445B.315.2(k)) *Federally Enforceable Part 70 Program*  
A responsible official of Permittee shall certify that, based on information and belief formed after a reasonable inquiry, the statements made in any document required to be submitted by any condition of this Operating Permit are true, accurate and complete.



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**Section I. General Conditions (continued)**

- T. Prevention of Significant Deterioration (PSD) (40 CFR Part 52.21(r)(4)) Federally Enforceable Requirement  
At such time that Permittee becomes a major stationary source or major modification solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of 40 CFR Part 52.21 paragraphs (j) through (s) of this section shall apply to the source or modification as though construction had not yet commenced on the source or modification.
- U. Testing and Sampling (NAC 445B.252) State Only Requirement
1. To determine compliance with NAC 445B.001 to 445B.3497, inclusive, before the approval or the continuance of an operating permit or similar class of permits, the director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the director determines necessary. Testing and sampling or either of them must be conducted and the results submitted to the director within 60 days after achieving the maximum rate of production at which the affected facility shall be operated, but not later than 180 days after initial startup of the facility and at such times as may be required by the director.
  2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the tests contained in each applicable subsection of this section unless the director:
    - a. Specifies or approves, in specific cases, the use of a method of reference with minor changes in methodology;
    - b. Approves the use of an equivalent method;
    - c. Approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific stationary source is in compliance; or
    - d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the director's satisfaction that the affected facility is in compliance with the standard.
  3. Tests of performance must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the tests of performance. Operations during periods of startup, shutdown, and malfunction must not constitute representative conditions of tests of performance unless otherwise specified in the applicable standard.
  4. The owner or operator of an affected facility shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the tests of performance to allow the director to review the proposed testing procedures.
  5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions, or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the director's approval.
  6. All testing and sampling shall be performed in accordance with recognized methods as specified by the director.
  7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power, and other pertinent allied facilities as may be required and specified in writing by the director must be provided and paid for by the owner of the stationary source.
  8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of NAC 445B.001 to 445B.3497, inclusive, and copies of these results must be provided to the director no later than 60 days after the testing or sampling, or both.



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**Section I. General Conditions (continued)**

- V. Testing and Sampling (NAC 445.682) *Federally Enforceable SIP Requirement*
1. To determine compliance with NAC 445.430 to 445.846, inclusive, prior to approval of or prior to the continuance of an operating permit or similar class of permits, the director may either conduct or order the owner of any source to conduct or have conducted such testing and sampling as the director determines necessary. Testing and sampling or either of them must be conducted within 60 days after achieving the maximum production rate at which the affected facility shall be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the director.
  2. Performance tests shall be conducted and data reduced in accordance with the test's methods and procedures contained in each applicable subsection unless the director;
    - a. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
    - b. Approves the use of an equivalent method;
    - c. Approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance; or
    - d. Waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the director's satisfaction that the affected facility is in compliance with the standard.
  3. Performance tests must be conducted under such conditions as the director specifies to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction must not constitute representative conditions of performance tests unless otherwise specified in the applicable standard.
  4. The owner or operator of an affected facility shall provide the director 30 days prior notice of the performance test to afford the director the opportunity to have an observer present.
  5. Each performance test shall consist of at least two separate runs using the applicable test method. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs shall apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than two valid samples being obtained, an additional performance test must be conducted.
  6. All testing and sampling will be performed in accordance with recognized methods as specified by the director.
  7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power, and other pertinent allied facilities as may be required and specified in writing by the director shall be provided and paid for by the owner of the source.
  8. All information and analytical results of testing and sampling shall be certified as to their truth and accuracy and as to their compliance with all provisions of these (SIP) regulations and copies of these results shall be provided to both the owner and director.
- W. Open Burning (NAC 445B.22067) *State Only Requirement*  
The open burning of any combustible refuse, waste, garbage, oil, or for any salvage operations, except as specifically exempt, is prohibited. Specific exemptions from open burning are described in NAC 445B.22067.2 (NAC445B.381.2).
- X. Open Burning (SIP Article 5.1) *Federally Enforceable SIP Requirement*  
The open burning of any combustible refuse, waste, garbage, oil fires, or for any salvage operations, except as specifically exempt, is prohibited. Specific exemptions from open burning are described in SIP Articles 5.2, 5.2.1, 5.2.2, 5.2.3, 5.2.4 and 5.2.5.
- Y. Odors (NAC 445B.22087) *State Only Requirement*  
Permittee may not discharge or cause to be discharged, from any stationary source, any material or regulated air pollutant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents the comfortable enjoyment of life or property.
- Z. Odors (NAC 445.844) *Federally Enforceable SIP Requirement*  
Permittee shall not discharge, or cause to be discharged from, any source, any material or air contaminant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents the comfortable enjoyment of life or property.
- AA. Permit Changes (NAC 445B.319, NAC 445B.342 (NAC 445B.320), NAC 445B.3245 (NAC 445B.321) and NAC 445B.344 (NAC 445B.322) *Federally Enforceable Part 70 Program*  
Any changes to this operating permit will comply with all applicable provisions established under NAC 445B.319, NAC 445B.342 (NAC 445B.320), NAC 445B.3425 (NAC 445B.321) and NAC 445B.344 (NAC 445B.322).
- BB. Renewal (NAC 445B.3443) (NAC 445.323) *Federally Enforceable Part 70 Program*  
Renewal of this operating permit will be in accordance with NAC 445B.3443 (NAC 445B.323).



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**Section I. General Conditions (continued)**

CC. Organic Solvents and Other Volatile Compounds (NAC 445B.22093) State Only Requirement

1. Solvents or other volatile compounds such as paints, acids, alkalis, pesticides, fertilizers and manure must be processed, stored, used and transported in such a manner and by such means as to minimize the tendency to evaporate, leak, escape or be otherwise discharged into the ambient air causing or contributing to air pollution. If methods of control are available and feasible effectively to reduce the contribution to air pollution from evaporation, leakage or discharge, as determined by the director, the installation and use of such methods, devices or equipment for control is mandatory.
2. No person may place, store or hold in any new reservoir, stationary tank or other container with a capacity equal to or greater than 40,000 gallons (150 kiloliters) any gasoline, petroleum distillate, or volatile organic compound having a vapor pressure of 1.5 lb/square inch absolute (1,055 kg/square meter) or greater under actual storage conditions unless the tank, reservoir or other container is a pressure tank maintaining working pressure sufficient at all times to prevent loss of vapor or gas to the atmosphere or is equipped with one of the following devices properly installed, in good working order, and in operation:
  - (a) A floating roof which consists of a pontoon type or double-deck roof which rests on the surface of the liquid contents and is equipped with a seal to close the space between the roof eave and tank wall or a vapor balloon or a vapor dome designed in accordance with accepted standards of the petroleum industry. This control equipment is not permitted if the gasoline or petroleum distillate has a vapor pressure of 11 lb/square inch absolute (7,734 kg/square meter) or greater under actual conditions. All gauging and sampling devices for tanks must be gastight except when gauging or sampling is taking place.
  - (b) Other equipment proven to be of equal efficiency for preventing discharge of gases and vapors to the atmosphere.
3. Any tank for the storage of any other petroleum or volatile organic compound which is constructed or extensively remodeled on or after November 7, 1975, must be equipped with a submerged fill pipe or the equivalent, as approved by the director, for the control of emissions.
4. All facilities for dock loading of products consisting of petroleum or other volatile organic compounds having a vapor pressure of 1.5 lb/square inch absolute (1,055 kg/square meter) or greater at loading pressure must have facilities for submerged filling by a submerged fill pipe or an acceptable equivalent, for the control of emissions.

DD. Organic Solvent, Other Volatile Compounds (NAC 445.846) Federally Enforceable SIP Requirement

1. Solvents or other volatile compounds such as paints, acids, alkalis, pesticides, fertilizers, and manure must be processed, stored, used, and transported in such a manner and by such means as to minimize the tendency to evaporate, leak, escape, or to be otherwise discharged into the ambient air causing or contributing to air pollution. If methods of control are available and feasible effectively to reduce the contribution to air pollution from evaporation, leakage, or discharge, as determined by the director, the installation and use of such control methods, devices or equipment for control is mandatory.
3. Any tank for the storage of any other petroleum or volatile organic compound which is constructed or extensively remodeled on or after November 7, 1975, must be equipped with a submerged fill pipe or the equivalent, as approved by the director, for the control of emissions. All facilities for dock loading of products consisting of petroleum or other volatile organic compounds having a vapor pressure of 1.5 lb/square inch absolute (1,055 kg/square meter) or greater at loading pressure must have facilities for submerged filling by a submerged fill pipe or an acceptable equivalent, for the control of emissions.

EE. Storage Containers Equal to or Greater Than 150 kiloliters (40,000 Gallons) (SIP Article 9.2) Federally Enforceable SIP Requirement

Article 9.2.1 - No person shall place, store, or hold in any new reservoir, stationary tank, or other container any gasoline, petroleum distillate, or volatile organic compound having a vapor pressure of 1,055 kilograms per square meter (1.5 pounds per square inch absolute) or greater (under actual storage conditions) unless such tank, reservoir, or other container is a pressure tank maintaining working pressure sufficient at all times to prevent vapor or gas loss to the atmosphere or is equipped with one of the following vapor loss control devices (see 9.2.1.1, 9.2.1.2) properly installed, in good working order, and in operation.

Article 9.2.1.1 - A floating roof which consists of a pontoon type or double-deck roof which rests on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof eave and tank wall; or a vapor balloon or a vapor dome, designed in accordance with accepted standards of the petroleum industry. This control equipment shall not be permitted if the gasoline or petroleum distillate has a vapor pressure of 7,734 kilograms per square meter (11 pounds per square inch absolute) or greater under actual conditions. All tank gauging and sampling devices shall be gas tight except when gauging or sampling is taking place.

Article 9.2.1.2 - Other equipment proven to be of equal efficiency for preventing discharge of gases and vapors to the atmosphere.

FF. (NAC 445B.308) State Only Requirement

This operating permit applies only to the emission units listed on the front page and Section VI of this operating permit. Any remaining emission units not covered by this operating permit shall continue to be operated in accordance with the existing facility-wide operating permit conditions, as issued to those emission units by the Bureau of Air Pollution Control.

\*\*\*\*\*End of General Conditions\*\*\*\*\*



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**Section II. General Construction Conditions**

- A. Notification (NAC 445B.250, NAC 445B.346.2) State Only Requirement  
The director shall be notified in writing of the following:
1. The date that construction, or reconstruction as defined under NAC 445B.247, of an affected facility is commenced, postmarked no later than 30 days after such date;
  2. The anticipated date of initial startup of an affected facility, postmarked not more than 60 days nor less than 30 days prior to such date.
  3. The actual date of initial startup of the affected facility, postmarked within 15 days after such date.
- B. Notification (NAC 445B.250.4, NAC 445B.346.2) State Only Requirement  
The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.
- C. Notification and Recordkeeping (SIP Article 2.16) Federally Enforceable SIP Requirement  
Any owner or operator subject to the provisions of this part shall furnish the director written notification as follows:(SIP Article 2.16.1):
1. SIP Article 2.16.1.1 - A notification of the date construction (or reconstruction as defined under 2.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.
  2. SIP Article 2.16.1.2 - A notification of the anticipated date of initial startup of an affected facility postmarked not more than 60 days nor less than 30 days prior to such date.
  3. SIP Article 2.16.1.3 - A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
- D. Expiration (NAC 445B.3395) (NAC 445B.300) Federally Enforceable Part 70 Program
1. If construction will occur in one phase, a Class I operating permit or the revision of a Class I operating permit for a new or modified stationary source, other than a stationary source subject to the provisions of 40 C.F.R. § 52.21 regarding the prevention of significant deterioration of air quality, expires if construction is not commenced within 18 months after the date of issuance thereof or construction of the facility is delayed for 18 months after initiated. The director may extend the date on which the construction may be commenced upon a showing that the extension is justified.
  2. If construction will occur in more than one phase, the projected date of the commencement of construction of each phase of construction must be approved by the director. A Class I operating permit or the revision of a Class I operating permit for a new or modified stationary source, other than a stationary source subject to the provisions of 40 C.F.R. § 52.21 regarding the prevention of significant deterioration of air quality, expires if the initial phase of construction is not commenced within 18 months after the projected date of the commencement of construction approved by the director. The director may extend only the date on which the initial phase of construction may be commenced upon a showing that the extension is justified.

\*\*\*\*\*End of General Construction Conditions\*\*\*\*\*



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**Section III. General Operating Conditions**

A. Facilities Operation (NAC 445B.227) *Federally Enforceable Part 70 Program*

The Permittee may not:

1. Operate a stationary source of air pollution unless the control equipment for air pollution which is required by applicable requirements or conditions of this Operating Permit is installed and operating.
2. Disconnect, alter, modify or remove any of the control equipment for air pollution or modify any procedure required by an applicable requirement or condition of this Operating Permit.

B. Excess Emissions (NAC 445B.232; NAC 445B.346.2) *State Only Requirement*

1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3497, inclusive, must be approved by the Director and performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. The Director must be notified in writing of the time and expected duration at least 24 hours in advance of any scheduled maintenance which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3497, inclusive.
3. The Director must be notified in writing or by telephone of the time and expected duration at least 24 hours in advance of any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3497, inclusive.
4. The Director must be notified of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during startup or shutdown of such equipment. The telephone number for the notification is (775) 687-4670.
5. The Permittee, as the owner or operator of an affected facility, shall provide the Director, within 15 days after any malfunction, upset, startup, shutdown, or human error which results in excess emissions, sufficient information to enable the Director to determine the seriousness of the excess emissions. The information must include at least the following:
  - a. The identity of the stack or other point of emission, or both, where the excess emissions occurred.
  - b. The estimated magnitude of the excess emissions expressed in opacity or in units of the applicable limitation on emission and the operating data and methods used in estimating the magnitude of the excess emissions.
  - c. The time and duration of the excess emissions.
  - d. The identity of the equipment causing the excess emissions.
  - e. If the excess emissions were the result of a malfunction, the steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunction.
  - f. The steps taken to limit the excess emissions.
  - g. Documentation that the equipment for controlling air pollution, process equipment, or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

C. Scheduled Maintenance, Testing, and Breakdown or Upset (NAC 445.667) *Federally Enforceable SIP Requirement*

1. Scheduled maintenance or testing approved by the Director or repairs which may result in excess emissions of air contaminants prohibited by SIP 445.430 to 445.846, inclusive, must be performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. The Director shall be notified in writing on the time and expected duration at least 24 hours in advance of any scheduled maintenance or repairs which may result in excess emissions of air contaminants prohibited by SIP 445.430 to 445.846, inclusive.
3. The Director must be notified within 24 hours after any malfunction, breakdown or upset of process or pollution control equipment or during startup of such equipment. Phone (775) 687-4670.
4. The owner or operator of an affected facility shall provide the Director, within 15 days after any malfunction, breakdown, upset, startup or human error sufficient information to enable the Director to determine the seriousness of the excess emissions. The submission must include as a minimum:
  - a. The identity of the stack and other emission point or either of them where the excess emission occurred.
  - b. The estimated magnitude of the excess emissions expressed in opacity or in the units of the applicable emission limitation and the operating data and methods used in estimating the magnitude of the excess emissions.
  - c. The time and duration of the excess emissions.
  - d. The identity of the equipment causing the excess emissions.
  - e. If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunctions.
  - f. The steps taken to limit the excess emissions.
  - g. Documentation that the air pollution control equipment, process equipment or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

D. Scheduled Maintenance, Testing, and Breakdown or Upset (SIP Article 2.5.4) *Federally Enforceable SIP Requirement*

Breakdown or upset, determined by the Director to be unavoidable and not the result of careless or marginal operations, shall not be considered a violation of the regulations.

\*\*\*\*\***End of General Operating Conditions**\*\*\*\*\*



STATE OF NEVADA  
BUREAU OF AIR POLLUTION CONTROL

NO. AP1041-0739.01

**CLASS I AIR QUALITY OPERATING PERMIT**

Issued to: Barrick Goldstrike Mines Inc.

**Section IV. Federal Regulations and Applicable Requirements**

- A. The following provisions are applicable requirements of this Operating Permit:
1. Permittee will comply with all applicable provisions of;
    - a. 40 CFR Part 60.1 - 60.19 - Standards of Performance for New Stationary Sources - General Provisions;
    - b. 40 CFR Part 61.01 - 61.19 - National Emission Standards for Hazardous Air Pollutants - General Provisions;
    - c. 40 CFR Part 61.140 - 61.157 - National Emission Standard for Asbestos;
    - d. 40 CFR Part 63.1 - 63.15 - National Emission Standards for Hazardous Air Pollutants for Source Categories - General Provisions;
  2. As of the issuance date of this permit, Permittee is not subject to 40 CFR Part 68 - Chemical Accident Prevention Provisions. If, during the permit term, Permittee becomes subject to 40 CFR Part 68, Permittee shall submit a risk management plan (RMP) within 180 days of first becoming subject to 40 CFR Part 68, or other dates specified in 40 CFR 68.10. Permittee shall then certify compliance with these requirements as part of the annual compliance certification as required by 40 CFR Part 70.
  3. Permittee will comply with all provisions of 40 CFR Part 82. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156. Equipment used during maintenance, service, repair, or disposal of appliances must meet the standards for recycling and recovery equipment in accordance with 40 CFR 82.158. Persons performing maintenance, service, repair or disposal of appliances must be certified by a certified technician pursuant to 40 CFR 82.161.

\*\*\*\*\***End of Federal Regulations and Applicable Requirements**\*\*\*\*\*



STATE OF NEVADA  
BUREAU OF AIR POLLUTION CONTROL

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CLASS I AIR QUALITY OPERATING PERMIT

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**Section V. General Monitoring, Recordkeeping, and Reporting Requirements**

- A. Records Retention (NAC 445B.315.3(b)) (NAC 445B.315.2(b)) Federally Enforceable Part 70 Program  
Permittee shall retain records of all required monitoring data and supporting information for 5 years after the date of the sample collection, measurement, report or analysis. Supporting information includes, but is not limited to, all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.
- B. Recording (NAC 445B.3405.1(d)) (NAC 445B.316) Federally Enforceable Part 70 Program  
Permittee shall record:
1. Monitoring information required by the conditions of this permit including the date, the location and the time of the sampling or the measurements and the operating conditions at the time of the sampling or measurements; and
  2. The date on which the analyses were performed, the company that performed them, the analytical techniques that the company used and the results of such analyses.
- C. Reporting of Deviations (NAC 445B.3405) (NAC 445B.316) Federally Enforceable Part 70 Program  
Permittee shall:
1. Promptly report to the director all deviations from the requirements of this Operating Permit; and
  2. Report to the director the probable cause of all deviations and any action taken to correct the deviations. For this Operating Permit, prompt is defined as submittal of a report within 15 days of the deviation. This definition does not alter any reporting requirements as established for reporting of excess emissions as required under NAC 445B.232 and under Section III.B of this permit, or for reporting of an emergency (as defined by NAC 445B.326) under Sections I.I of this permit; and
  3. Submit reports of any required monitoring every 6 months, within 8 weeks after June 30 and December 31 of each calendar year. The reports must contain a summary of the data collected as required by all monitoring, recordkeeping and compliance requirements and as specified in sections VI and VII of this operating permit.
- D. Yearly Reports (NAC 445B.315.3(h), NAC 445B.346.2) (NAC 445B.315.2(h)) Federally Enforceable Part 70 Program  
Permittee shall submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports shall be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year, unless otherwise approved by the Bureau of Air Pollution Control.
- E. Compliance Certification (NAC 445B.3405) (NAC 445B.316) Federally Enforceable Part 70 Program  
Permittee shall submit a compliance certification for all applicable requirements, reflecting the terms and conditions of the permit, to the Administrator of the Division of Environmental Protection and the Administrator of USEPA annually, on or before March 1 for the preceding calendar year. The compliance certification must include:
1. An identification of each term or condition of the Operating Permit that is the basis of the certification;
  2. The status of the stationary source's compliance with any applicable requirement;
  3. A statement of whether compliance was continuous or intermittent;
  4. The method used for determining compliance; and
  5. Any other facts the director determines to be necessary to determine compliance.
- F. Startup, Shutdown, and Malfunction Records (NAC 445.692) Federally Enforceable SIP Requirement  
Notification and Recordkeeping  
Permittee as the owner or operator subject to the provisions of SIP 2.17.10, 2.17.6, and 445.685 to 445.693, inclusive, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility and any malfunction of the air pollution control equipment or any periods during which a continuous monitoring system or monitoring device is inoperative.
- G. NAC 445B.308.5 State-Only Requirement  
The Department may use any credible monitoring or surveillance information other than the monitoring information required in this operating permit (including, but not limited to, any monitoring information obtained as a result of the Acid Rain program) to determine compliance with the terms and conditions of this operating permit.
- H. NAC445B.311 State-Only Requirement  
Permittee shall monitor and record meteorological conditions at the monitoring site as specified by the Bureau of Air Pollution Control and in accordance with the requirements in Nevada Bureau of Air Pollution Control Ambient Air Quality Monitoring Guidelines, Revised May 4, 2000, and documents listed therein. Monitoring shall be conducted from the beginning of construction and until reclamation of the project is complete. Findings shall be submitted to the Bureau of Air Pollution Control within 60 days after the end of each calendar quarter.

\*\*\*\*\*End of General Monitoring, Recordkeeping and Reporting Conditions\*\*\*\*\*