

BUREAU OF AIR POLLUTION CONTROL

901 SOUTH STEWART STREET SUITE 4001
 CARSON CITY, NEVADA 89701-5249

p: 775-687-9350 • www.ndep.nv.gov/bapc • f: 775-687-6396

Facility ID No. A0030

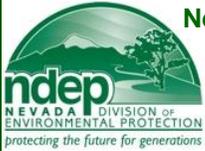
Permit No. AP3241-0387.02

**CLASS I AIR QUALITY OPERATING PERMIT
 GENERAL REQUIREMENTS**

Issued to: Nevada Cement Company, hereafter called the Permittee
Mailing Address: P.O. BOX 840, FERNLEY, NEVADA 89408-0840
Physical Address: INTERSTATE 80, EXIT 46, FERNLEY, NEVADA
General Facility Location: Section(s) 10 & 11, T20N, R24E, MDB&M (HA 76)

Emission Unit List: (137 Emission Units)

A. System 01 -	Limestone Truck Dump
PF1.001	Limestone Truck Dump to Primary Crusher Hooper 101
B. System 02 -	Primary Crusher Circuit
S2.001	Primary Crusher Hopper 101 transfer to Primary Crusher 102
S2.002	Primary Crusher 102
S2.003	Primary Crusher 102 to Apron Feeder-103
S2.004	Apron Feeder-103 transfer to Conveyor 104
S2.005	Drag Chain Conveyor 103-1 transfer to Conveyor 104
S2.006	Conveyor 104 transfer to Primary Crusher-102
C. System 03 and 04 -	Secondary Screening Circuit & Secondary Crusher Circuit
S2.007	Conveyor 104 transfer to Shaker Screen 106-1
S2.008	Shaker Screen 106-1
S2.009	Shaker Screen 106-1 transfer to Conveyor 107
S2.010	Shaker Screen 106-1 transfer to Conveyor 108
S2.011	Shaker Screen 106-1 transfer to Conveyor 106-2
S2.012	Conveyor 106-2 transfer to Conveyor 106-3
S2.013	Conveyor 106-3 transfer to Secondary Crusher 106
S2.014	Secondary Crusher 106 transfer to Conveyor 106-4
S2.015	Secondary Crusher 106
S2.016	Conveyor 106-4 transfer to Secondary Screen 106-1
D. System 05 -	Raw Material Storage
PF1.002	Conveyor 108 Feed End Chute
PF1.003	Conveyor 108 transfer to Conveyor 115
PF1.004	Overhead Crane 109 transfer to Storage bins (Limestone)
PF1.005	Overhead Crane 109 transfer (Iron Ore)
PF1.006	Overhead Crane 109 transfer (Clay)



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0030

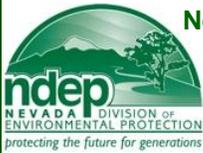
Permit No. AP3241-0387.02

**CLASS I AIR QUALITY OPERATING PERMIT
GENERAL REQUIREMENTS**

Issued to: Nevada Cement Company, hereafter called the Permittee

Emission Unit List: (137 Emission Units)(continued)

E-1. System 06 -	#1 Raw Mill System
S2.017	Conveyor 204 transfer to Bucket Elevator 205
S2.018	Bucket Elevator 205 transfer to Air Separator 206
S2.019	Air Separator 206 to Air Slide 207
S2.020	Air Slide 207 transfer to Pump 213
S2.021	#1 Raw Mill 208
S2.022	Heater 211 firing either 14 MMBtu/hr Natural Gas or 10.54 MMBtu/hr #2 fuel oil
E-2. System 06A -	#1 Raw Mill System - Used as a Finish Mill
S2.017	Conveyor 204 transfer to Bucket Elevator 205
S2.018	Bucket Elevator 205 transfer to Air Separator 206
S2.019	Air Separator 206 to Air Slide 207-10
S2.020	Air Slide 207-10 transfer to Pump 213-10
S2.021	#1 Raw Mill 208
S2.022	Heater 211 firing either 14 MMBtu/hr Natural Gas or 10.54 MMBtu/hr #2 fuel oil
E-3. System 06B -	#1 Raw Mill System - Used as a Pre-Grind Mill & Transferring Raw Material to #1 Finish Mill
S2.017	Conveyor 204 transfer to Bucket Elevator 205
S2.018	Bucket Elevator 205 transfer to Air Separator 206
S2.019	Air Separator 206 to Air Slide 207-11
S2.020	Air Slide 207-11 transfer to #1 Finish Mill 505
S2.021	#1 Raw Mill 208
S2.022	Heater 211 firing either 14 MMBtu/hr Natural Gas or 10.54 MMBtu/hr #2 fuel oil
F. System 07 -	Blending Operations Storage Silos
S2.023	Pump 213 transfer to Blending & Storage Silos 300-7
S2.024	Pump Silo to East or West Storage Silos
G. System 08 -	#1 Kiln Feed System
S2.025	Pump Storage Silos transfer to Kiln Feed Bin 401
S2.026	Kiln Feed Bin 401 transfer to Air Slide 401-1
S2.027	Air Slide 401-1 transfer to Bucket Elevator 402
S2.028	Bucket Elevator 402 transfer to Constant Head Feeder 404
S2.029	Constant Head Feeder 404 transfer to Kiln #1 406



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0030

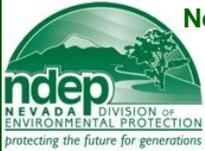
Permit No. AP3241-0387.02

**CLASS I AIR QUALITY OPERATING PERMIT
GENERAL REQUIREMENTS**

Issued to: Nevada Cement Company, hereafter called the Permittee

Emission Unit List: (137 Emission Units)(continued)

H. System 09 -	#1 Kiln Circuit (combusting 100% Coal or Coal/Coke blend; Non-hazardous used oils and greases; and Non-hazardous hydrocarbon contaminated soils)
S2.030	Kiln #1 406
S2.031	Coal Mill 805
S2.032	Screw Conveyors 420-2 & 420-3 to 420-1
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4
S2.035	Screw Conveyor 420-1 to Screw Conveyor 420-4
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414
S2.038	Bucket Elevator 414 transfer to Kiln #1 406
I. System 09A -	#1 Kiln Circuit / Alternative Operating Scenario (combusting 100% Natural Gas)
S2.030	Kiln #1 406
S2.031	Coal Mill 805
S2.032	Screw Conveyors 420-2 & 420-3 to 420-1
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4
S2.035	Screw Conveyor 420-1 to Screw Conveyor 420-4
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414
S2.038	Bucket Elevator 414 transfer to Kiln #1 406
J. System 10 -	#1 Kiln Clinker Cooler System
S2.039	Kiln #1 Clinker Cooler 408
S2.040	Clinker Breaker 409 transfer to Drag Chain 410
S2.041	Drag Chain 410 to Bucket Elevators 412-1 or 412-2
S2.042	Bucket Elevators 412-1 or 412-2 to Clinker Storage Stacker Tube 412-4
K. System 11 -	#1 Finish Mill Operations
S2.043	Conveyor 504 transfer to #1 Finish Mill 505 or Air Slide 207-11 transfer to #1 Finish Mill 505
S2.044	#1 Finish Mill 505
S2.045	Air Slide 506 transfer to Bucket Elevator 507
S2.046	Bucket Elevator 507 transfer to Air Separator 509
S2.047	Air Separator 509 transfer to Air Slide 519-1
S2.048	Air Slide 519-1 to Air Slide 519-2 and transfer to FK Pump 512
S2.049	Dust Collector 510 transfer to FK Pump 512



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0030

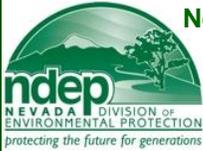
Permit No. AP3241-0387.02

**CLASS I AIR QUALITY OPERATING PERMIT
GENERAL REQUIREMENTS**

Issued to: Nevada Cement Company, hereafter called the Permittee

Emission Unit List: (137 Emission Units)(continued)

L-1. System 12 -	#2 Raw Mill System
S2.050	Bucket Elevator 1908 transfer to Air Separator 1910
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917
S2.052	Air Separator 1910 transfer to Air Slide 1917
S2.053	Air Slide 1917 transfer to Pump 213
S2.054	Heater 1909 firing either 14 MMBtu/hr Natural Gas or 9.06 MMBtu/hr #2 fuel oil
L-2. System 12A -	#2 Raw Mill System - Used as Finish Mill
S2.050	Bucket Elevator 1908 transfer to Air Separator 1910
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917-10
S2.052	Air Separator 1910 transfer to Air Slide 1917-10
S2.053	Air Slide 1917-10 transfer to Pump 213-10
S2.054	Heater 1909 firing either 14 MMBtu/hr Natural Gas or 9.06 MMBtu/hr #2 fuel oil
M. System 13 -	#2 Raw Mill
S2.055	#2 Raw Mill 1911
N. System 14 -	#1 Kiln Feed System
S2.056	Pump Storage Silos transfer to Kiln Feed Bin 2002
S2.057	Kiln Feed Bin 2002 transfer to Air Slide 2004
S2.058	Air Slide 2004 transfer to Bucket Elevator 2005
S2.059	Bucket Elevator 2005 transfer to Constant Head Feeder 2006
S2.060	Constant Head Feed Screw 2006 transfer to Kiln Feed Screw 2010
S2.061	Screw 2010 transfer to Kiln #2 2013
O. System 15 -	#2 Kiln Circuit (combusting 100% Coal or Coal/Coke blend; Non-hazardous used oils and greases; and Non-hazardous hydrocarbon contaminated soils)
S2.062	Kiln #2 2013
S2.063	Coal Mill 2043
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank
S2.067	Dust Tank to Weigh Screw 2009-14
P. System 15A -	#2 Kiln Circuit / Alternative Operating Scenario (combusting 100% Natural Gas)
S2.062	Kiln #2 2013
S2.063	Coal Mill 2043
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank
S2.067	Dust Tank to Weigh Screw 2009-14



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0030

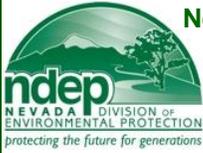
Permit No. AP3241-0387.02

**CLASS I AIR QUALITY OPERATING PERMIT
GENERAL REQUIREMENTS**

Issued to: Nevada Cement Company, hereafter called the Permittee

Emission Unit List: (137 Emission Units)(continued)

Q. System 16 -	#2 Kiln Clinker Cooler and Reclaim System
S2.068	Kiln #2 Clinker Cooler 2017
S2.069	Clinker Breaker 2020 transfer to Drag Chain 2023
S2.070	Reclaim Conveyor 2116 transfer to Bucket Elevator 2117
R. System 17 -	#2 Kiln Clinker Handling System
S2.071	Drag Chain 2023 transfer to Bucket Elevator 2101-1
S2.072	Bucket Elevator 2101-1 to Clinker Storage or Drag Chain 2201
S. System 18 -	#2 Finish Mill Systems
S2.073	Drag Chain 2201 transfer to Feed Bins 2001-6 & 2201-7
S2.074	Feed Bins 2001-6 & 2201-7 transfer to #2 Finish Mill 2203-1
S2.075	#2 Finish Mill 2203-1
S2.076	Bucket Elevator 2204-1 transfer to Air Slide 2205-1
S2.077	Air Slide 2205-1 transfer to Air Separator 2206-1
S2.078	Air Separator 2206-1 transfer to Pump 2212
T. System 19 -	#3 Finish Mill Systems
S2.079	Drag Chain 2201 transfer to Feed Bins 2001-8 & 2201-9
S2.080	Feed Bins 2001-8 & 2201-9 transfer to #3 Finish Mill 2203-2
S2.081	#3 Finish Mill 2203-2
S2.082	Bucket Elevator 2204-2 transfer to Screw 2205-2
S2.083	Screw Conveyor 2205-2 transfer to Air Separator 2206-2
S2.084	Air Separator 2206-2 transfer to Pump 2212
U. System 20 -	Cement Storage Silo
S2.085	Transfer to Storage Silo #7
V. System 21 -	Cement Bulk Loading
S2.086	Silo transfers to Air Slides
S2.087	Air slides transfer to Bucket Elevator 613
S2.088	Bucket Elevator 613 to Air Slides 609-4 & 701-1
S2.089	Air Slides transfer to Loading Spout 627
S2.090	Silo transfers to North Rail Storage Bin 624
S2.091	North Rail Bin transfers to Spout 627
S2.092	#1 Finish Mill Pump 512 transfer into Silos
S2.093	#2 & 3 Finish Mill Pump 2212 and #1 & #2 Raw Mill Pump 213-10 transfer into Silos
W. System 22(a) -	Cement Bulk Loading – 1
S2.094	Silo #12 Fill
S2.095	Silo #13 Fill
X. System 22(b) -	Cement Bulk Loading – 4
S2.096	Silos #12 & 13 to Loading Spouts 672-1 & 672-2



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0030

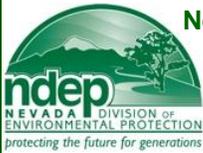
Permit No. AP3241-0387.02

**CLASS I AIR QUALITY OPERATING PERMIT
GENERAL REQUIREMENTS**

Issued to: Nevada Cement Company, hereafter called the Permittee

Emission Unit List: (137 Emission Units)(continued)

Y. System 23(a) -	Cement Bulk Loading – 2
S2.097	Silo #14 Fill
Z. System 23(b) -	Cement Bulk Loading – 3
S2.098	Silo #15 Fill
AA. System 23(c) -	Cement Bulk Loading – 5
S2.099	Silos #14 & 15 to Loading Spouts 672-3 & 672-4
AB. System 24 -	Packhouse
S2.100	Pack Storage Bin transfer to Bucket Elevator 704
S2.101	Bucket Elevator 704 to Air Slide 706-1 & 705-1
S2.102	Air Slide 705-1 transfer to Packer 707 and Air Slides 706-1 and 706-2
AC. System 25(a) -	Rail Unloading/Transfer
S2.103	Rail Hopper 634-6 transfer to Air Slide 634-7 and to Transfer System 634-8
AD. System 25(b) -	Rail Unloading/Transfer
S2.104	Rail Transfer 634-8 to South Storage Bin 625
S2.105	Silo #8 Transfer to South Storage Bin 625
AE. System 26 -	Fly Ash Bulk Loading
S2.106	South Storage Bin 625 transfer to Air Slide 609-4 and Loading Spout 610
AF. System 27(a) -	Coal/Coke Handling (Rail Unloading)
PF1.007	Railcar Unloading to Conveyor 111
AG. System 27(b) -	Coal/Coke Handling (Covered Conveyors)
PF1.008	Conveyor 111 transfer to Conveyor 111-1 or 2302
PF1.009	Conveyor 2302 transfer to Conveyor 2302-1
PF1.010	Conveyor 2302-1 transfer to Conveyor 2302-2
AH. System 27(c) -	Coal/Coke Handling (Coal/Coke Storage Building)
PF1.011	Conveyor 2302-2 transfer to Belt Tripper 2303
PF1.012	Belt Tripper 2303 transfer to Coal Storage
AI. System 27(d) -	Coal/Coke Handling (Coal/Coke Storage Building)
PF1.013	Inside Storage 2300-23A transfer to Feeders 2305-1, 2B, 3, 4, 5B
PF1.014	Feeders 2305-1, 2B, 3, 4, 5B transfer to Conveyor 2306
AJ. System 27(e) -	Coal/Coke Handling (Coal/Coke Storage Building)
PF1.015	Conveyor 2306 transfer to Conveyor 2316
AK. System 27(f) -	Coal/Coke Handling (Mill Building Enclosure)
PF1.016	Conveyor 2307 transfer to Coal Mill #1 Storage Bin 803



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0030

Permit No. AP3241-0387.02

**CLASS I AIR QUALITY OPERATING PERMIT
GENERAL REQUIREMENTS**

Issued to: Nevada Cement Company, hereafter called the Permittee

Emission Unit List: (137 Emission Units)(continued)

AL. System 27(g) - Coal/Coke Handling (Mill Building Enclosure)	
PF1.017	Storage Bin 803 transfer to Feeder Belt 804
PF1.018	Feeder Belt 804 transfer to Coal Mill #1 805
AM. System 27(h) - Coal/Coke Handling (Mill Building Enclosure)	
PF1.019	Conveyor 2309 transfer to Conveyor 2307
PF1.020	Conveyor 2316 transfer to Bin 2041 or Conveyor 2309
AN. System 27(i) - Coal/Coke Handling (Mill Building Enclosure)	
PF1.021	Storage Bin 2041 transfer to Feeder Belt 2042
PF1.022	Feeder Belt 2042 transfer to Coal Mill #2 2043
AO. System 28(a) - Finish Mill Feed Storage Tank and Handling	
S2.107	Pneumatic Loading and transfer to Finish Mill Feed Storage Tank
AP. System 28(b) - Finish Mill Feed Storage Tank and Handling (Handling Conveyors)	
PF1.023	Finish Mill Feed Storage Tank and transfer to Screw Conveyor (# 2242)
PF1.024	Screw Conveyor (# 2242) and transfer to Screw Conveyor (# 2243)
AQ. System 29(a) - Cement Kiln Dust to Dump Truck	
PF1.025	Dust Tank (S2.067) and transfer to Screw Conveyor (2009-2)
PF1.026	Screw Conveyor (2009-2) and transfer to Truck Loadout Spout (2009-3)
PF1.027	Truck Loadout Spout (2009-3) and transfer into Dump Truck
AR. System 29(b) - Cement Kiln Dust to Griffin Storage Silo	
PF1.028	Dust Tank (S2.067) and transfer to Griffin Storage Silo
S2.108	Griffin Storage Silo Loading
PF1.029	Griffin Storage Silo Unloading and transfer into Tank Truck

*****End of Emission Unit List*****