



July 16, 2021

Mr. Tim Cazier
Division of Reclamation, Mining and Safety
Department of Natural Resources
1313 Sherman Street Room 215
Denver, CO 80203

Re: Holcim (US) Inc., Portland Plant Bear Creek Quarry, Permit M-1977-344

Subject: DRMS - Inspection of July 16 2020 – Financial Warranty – Problem / Possible Violation

Dear Mr. Cazier

In reference to the above stated permit, Holcim (US) and the DRMS Inspection of July 16, 2020 – where it was noted that there was a

PROBLEM/POSSIBLE VIOLATION: Problem: The appropriate financial warranty related to demolition of the cement plant facilities and other site buildings cannot be determined by the Division from available information. Rule 6.4.12(1) requires “All information necessary to calculate the costs of reclamation must be submitted and broken down into the various major phases of reclamation.” This information is to be provided by the Operator and must be sufficient to calculate the cost of reclamation that would be incurred by the state.

CORRECTIVE ACTIONS: Provide the Division with cement plant and mine site building information necessary for demolition cost estimates to include: location, square footage, construction materials, building volume and foundation construction information by the corrective action due date.

CORRECTIVE ACTION DUE DATE: 3/12/21

As per your letter of February 17, 2021 the Correction date was extended to July 19th, 2021 as per e-mail request from Julio Villon – Quarry Manager.

This letter is to let you know that we are submitting (by e-mail) this letter as well as the following attachments:

Update Facility Inventory – in PDF and Excel Spreadsheet format.
Updated – Plant Facilities Map in PDF Format.

Please note that all dimensions are in feet and inches and square feet for area.

Please advise if you should have any concerns, questions or need additional information. My contact information is below:

Michael B. Toelle
Holcim (US) Inc.
3500 Highway 120
Florence, Colorado 81226
Phone - (719) 429-5566
E-mail – mike.toelle@lafargeholcim.com

Sincerely,

Michael B. Toelle
Manager, Raw Materials and Quarries
CIP-NA - Holcim (US) Inc.

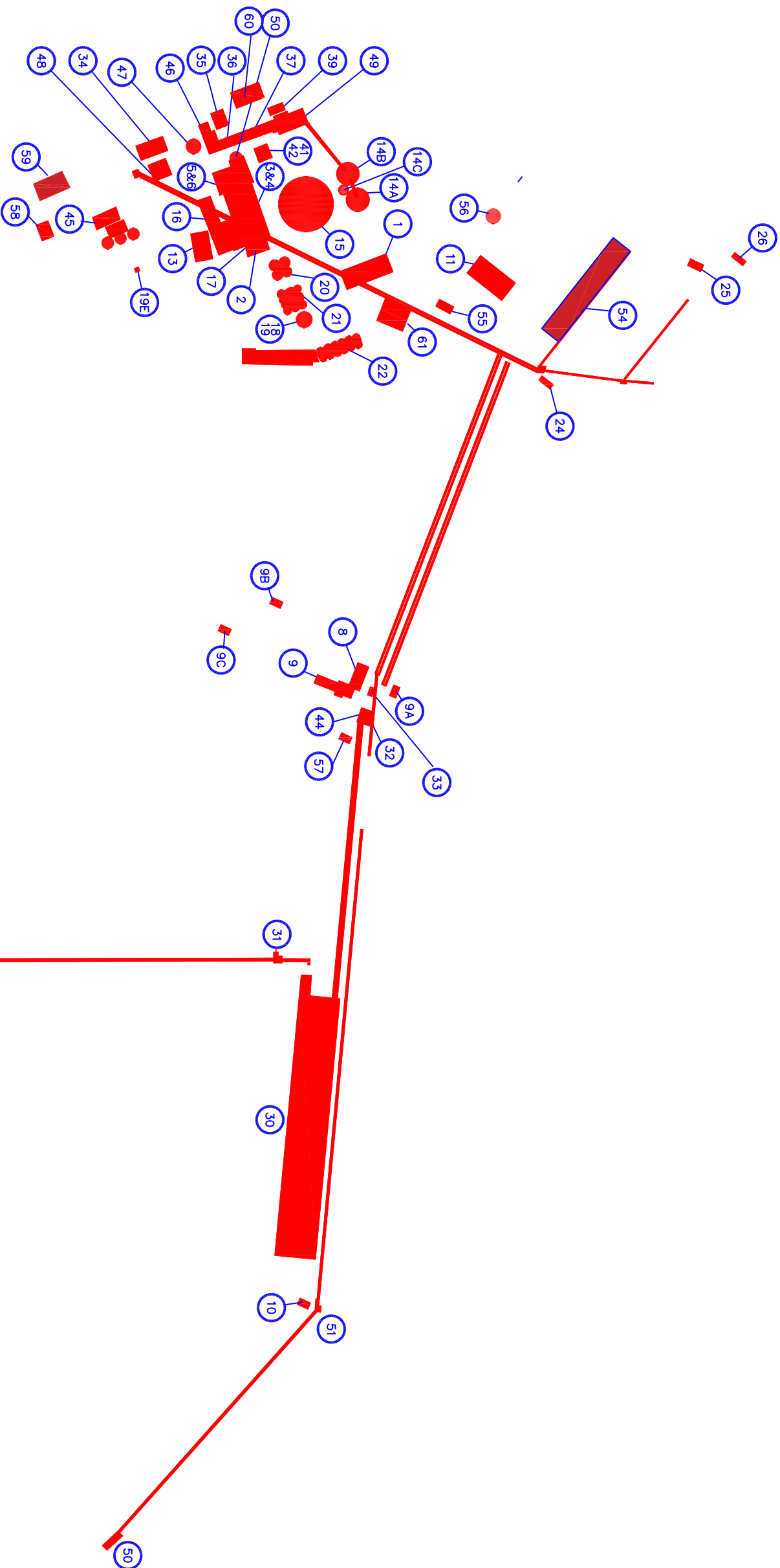
Cc: John Goetz – Holcim (US) Inc.

Portland Plant
3500 State Highway 120
Florence CO. 81226

Building Number	Area	Description	Year Built	Building			Foundation		Notes
				Square Ft	Eave Height	Materials of Construction	Wall Type and Height	Slab Thickness	
1	Plant 3	Plant Warehouse & Maintenance	1970	16,000	19	Metal Siding Bldg	Caisson 16ea at 2'-6" dia. X 10' 14ea at 4' dia. X 10' A 7' tall x 10" width stem wall that sits on the caissons.		3
2	Plant 3	Service Building	1970	4,160	38	Concrete Twin Tee Wall	2'-6"x 2' Footer along perimeter of bldg. A stem wall 7" wide x 1'-6" tall	6" floor mat	
3	Plant 3	1974 Mill Complex, Air Seperator	1974	4,445	131	Concrete Twin Tee Wall	Caisson 45 ea at 2'-6" dia. X 20', 3ea at 4' dia. X 10', 63 ea at 3' dia. X 16'. With a 10" wide x 2'-6" tall stem wall on top of caissons on outside perimeter.		6
4	Plant 3	1974 Mill Complex, Finish Mill Area	1974	9,779	131	Concrete Twin Tee Wall	The one above this covers this section of bldg.		6
5	Plant 3	1974 Mill Complex, Old Compressor Room & Control Room	1974	10,744	90	Concrete Twin Tee Wall	Caissons Type A's 10 ea at 2'-6" dia x 20' Type E's 7 ea at 3' dia x 20'		3
6	Plant 3	1974 Mill Complex, Cooler, New Office Area Added	1974	22,179	90	Concrete Twin Tee Wall	Caissons Type A's 25 ea 2'-6" dia x 20' Type B's 13 ea at 3' dia. X 20'		3
7	Plant 3	Control Room & Pump House	1974	4,560		Concrete Twin Tee Wall	Tank 1' thick x 8' tall stem wall all around perimeter of tank. Pumphouse 4' wide x 1' tall footer with 1'-7" thick wall by 4'-6" tall stem wall.		Demolished
8	Quarry	So. Quarry Garage	1954	5,457	64	Concrete Twin Tee Wall	Caissons 14 ea at 2'-6" dia x 2', has a 2'-6" x 3' footer along perimeter	8" concrete floor	
9	Quarry	No. Quarry Garage	1974	5,664	38	Concrete Twin Tee Wall	Could not find any drawings but assume as the one above	Could not find any drawings but assume as the one above	
9A	Quarry	Lubrication Oil Shed	1974	800	38	Concrete Wall	Footer 1' x 2' x 2' with a 10" x 3' stem wall with 8" x 8" runners connecting the footer		2
9B	Quarry	Fuel Shelter	1997	1,232	10	Concrete Pillars	No walls - open	Concrete pad 9" thick	
9C	Quarry	Truck Wash	2004	300	10	Metal siding bldg	Stem Wall 3'-6" x 9" thick with a 2' wide x 9" thick footer		2
10	Quarry	Quarry Area Electric Substation	1974	672	32	Concrete Twin Tee Wall	Block walls 12" in thickness	Concrete slab 6" thick	
11	Misc.	Service Building & Warehouse	1994	15,312	22	Concrete Wall	Spread Footer every 22' 8' x 4'-6" 33 total with a 2'-6" x 10" stem wall		2
12	Misc.	Utility Storage Building	1994	3,830			Building does not exist		Demolished
13	Misc.	Administration Office	1994	5,856	90	Center Block Wall	10" tall x 16" wide footer with a 8" wide x 26" tall stem wall along perimeter of bldg	6" concrete pad	
14A	Plant 4	North Clinker Silo	2001	1,110,998	96	Concrete Wall	Caissons 130 ea at 1.524m dia x 7.1m	1.1m thick concrete pad on top of caissons	
14B	Plant 4	South Clinker Silo	2001	1,110,998	96	Concrete Wall	Information for building 14a covers south silo as well	Information for building 14a covers south silo as well	
14C	Plant 4	Reject Clinker Silo	2001	92,833	51	Concrete Wall	Information for bulding 14a covers reject silo as well	Information for bulding 14a covers reject silo as well	
15	Plant 4	Clinker Dome	1974	34,636	96	Concrete Wall and Metal siding	Footer 1'-6" x 9' along diameter of bldg.		3
16	Plant 4	Cement Grinding Enclosure	2001	14,505	131	Metal siding bldg	Caissons 57 ea at .914m dia x 7m and 39 ea at 1.22m x 7m	1m (3.28 feet) thick concrete pad	
17	Plant 3	XFOBS 16 Raw Material Silo	1974	235,000	90	Concrete Wall	Caissons two types 3' and 4' dia 11 ea per large silo and 8 ea per small silo, some caissons common to each silo, caissons bear on rock		6
18	Plant 4	New Cement Silo	2001	616,824	182	Concrete Wall	Caissons 30 ea at 1.52m dia. X 11m with a 2m thick pile cap on top of caissons		6
19	Plant 4	Cement Silo Electric	2001	814	19	Center Block Wall	Footers 1.2m (4 feet) thick on outer edges of building	Concrete pad .3m (1 foot) thick in center	

20	Logistics	Group 3 Plat Bldg 13e	1974	1,496,256	96	Concrete Wall	Three rows of footer the outside footers are 2'x2'-6" and the middle footer is 3' x 2'-6"	3' concrete pad and lean concrete below footers no depth given	
21	Logistics	Group 2 1965 Silos	1965	718,908	182	Concrete Wall	2' Thick class A Concrete for footers on top of the class D, you also have class C concrete 2' thick between footers	8' thick class D concrete	
22	Logistics	Packhouse Silos	1925	896,601	160	Concrete Wall	4 feet in thickness	Concrete slab 2'-9" thick	
23	Plant 3	Raw Water Pump House	1965	80	10	Center Block Wall	Stem Wall 3'-6" x 9" thick with a 2' wide x 9" thick footer	2	
24	Plant 2	Coal Handling Control Room	1974	720	16	Concrete Twin Tee Wall	Block wall - 10" in thickness - 16feet high	Concrete slab 6" thick	
25	Plant 2	RR Maintenance Building	1974	1,980	22	Concrete Twin Tee Wall	Block wall - 10" in thickness - 22 feet high	Concrete slab 3' thick	
26	Plant 2	Coal Unloading Control Room	1974	144	38	Concrete Twin Tee Wall	Block wall - 10" in thickness - 38 feet high	Concrete slab 6" thick	
27	Misc.	Quonset Hut Misc. Storage	2001	1,225	15	Metal siding / Wood Frame	No vertical walls - metal half circle	Monolithic Slab 9" thick	
28	Quarry	Crusher Electric	2001	1,496	26	Center Block Wall	26 feet high 8" in thickness	Electrical room Concrete slab 1.3m (4.27 ft) thick with .3m of lean concrete below, transformer bldg 1m (4.27 ft) thick concrete pad	
29	Quarry	Crusher Compressor	2001	291	26	Center Block Wall	26 feet high 8" in thickness	No drawing found, assume 1m (3.28 feet) thick concrete pad	
30	Quarry	Pre-Blend Shelter	2001	177,783	61	Metal Siding Bldg	4 Rows of Footer/stem wall, outside footers .9mx3.5m w/ .5mx.85m stemwall, inside footer .4m x 7m footer w/.5m x .8m stem wall, other inside footer .4m x 2.6m w/ 1m x .5m stem wall	5	
31	Quarry	Raw Material Analyzer & Electric	2001	1,568	26	Center Block & Metal siding	2' thick x 2'-6" wide along perimeter and thru center below that is a little bit of lean concrete	4	
32	Quarry	Raw Mill Electric, Compressor & Electric	2001	1,536	22	Center Block Wall	Block wall - 12" thick	Transformer bldg .4m concrete pad w/ .8m thick on two of the outer edges, Electric/compressor .4m (1.31 ft) pad w/ 1m thick on two of the outer edges	
33	Quarry	Raw Mill Feed/Blended Material Analyzer	2001	462	19	Metal Siding Bldg	Block wall - 12" thick	Concrete pad 1.2m (4 feet) thick	
34	Plant 4	Main Electrical Control	2001	8,937	38	Center Block Wall	Caissons 16 ea at .914m x 6.5m and 8 ea at 1.22m x 6.5m with footer / stem wall running between caissons, footer .4m x .6m and wall .8m x 1.2m	STORAGE WARETRUC	
35	Plant 4	Baghouse Bypass Control	2001	2,132	90	Center Block Wall	Caissons 2 ea at 1.22m dia. X 6m and 14 ea at .914m x 6m with 1.2m thick pile cap on top of caissons	3	
36	Plant 4	Preheater Electrical Control Room	2001	3,825	51	Concrete and Steel	Caissons 34 ea at 1.2m dia. x 8m, 5 ea at 1.2m dia x 9m, 2 ea at .9m dia x 8m, 3 ea at .9m dia x 9m with 2.2m thick pile cap on top of caissons.	6	
37	Plant 4	Kiln Gear Electrical & Transformer Room	2001	2,059	45	Concrete	Caissons @ Pier 1 2 ea at 1.52m dia x 8.5m 9 ea at 1.22m dia. x 7.5m Pier 2 9 ea at 1.22m x 7.5m Pier 3 10 ea at 1.22m dia x 7.5m	6	
38	Plant 4	Cooler Pump Shed	2001	575	9	Concrete Structure	Included in clinker cooler bldg see item #49	2	
39	Plant 4	Clinker Cooler Baghouse Electrical Room	2001	2,698	16	Center Block Wall and steel	Caissons 10 ea at .91m dia x 7.5m, 2 ea at 1.22m dia. X 7.5m with 1.2m thick pilecap on top of caissons.	4	
40	Plant 4	Clinker Silo Electrical & Transformer Room	2001	532	19	Center Block Wall	See building # 14a description, foundation for this building is included in that one	3	
41	Plant 4	Coal Mill Hydraulic Shelter	2001	240	19	Concrete, steel and center block	Caissons 17 ea at 1.22m dia x 6m with 4.5m thick pile cap on top of caissons	3	
42	Plant 4	Coal Mill Electric	2001	741	19	Concrete, steel and center block	This building is included in the description above	3	
43	Misc.	Water Filtration Plant	1994	1,360	12	Concrete Twin Tee Wall	Footer - 9" thick x 2' wide along perimeter of bldg. Stem wall 9" wide x 3'-6" tall along perimeter of bldg.	Concrete slab 9" thick	
44	Quarry	Raw Mill Feed Bins	2001	1,650	86	Steel Structure	Caissons 10 ea at 1.2m dia no depth given assume rest on bed rock, 1.2m thick by .8m wide concrete pad going around perimeter and across from each caisson	3	
45	Plant 3	Air / Oil House Bldg	2007	6,000	32	Center Block Wall	1' x 3' wide footer around perimeter of bldg as well as thru the center with a 8" x 3'-5" tall stem wall	6	

46	Plant 4	Scrubber	2001	970	189	Fiberglass	Caissons 16 ea at .9m dia x 7.5m and 3 ea at .9m dia x 8m	1.3m concrete pad on top of caissons	
47	Plant 4	Raw Meal Silo	2001	1,220	173	Concrete wall	Caissons 32 ea at 1.22m x 6m with a 1.8m x 6m pile cap on top of caissons along perimeter wall	6	
48	Plant 4	Raw Mill	2001	7,190	128	Steel and metal siding	Caissons 21 ea at .9m dia x 6.5m and 2 ea at 1.22m dia x 6.7m	There is about 2m of lean concrete and on top of that 5.5m of concrete	
49	Plant 4	Clinker Cooler Bldg	2001	7,360	48	Concrete and Steel	Caissons 14 ea at 1.22m dia x 8.5m and 29 ea at .9m dia x 8.5m with 1.2m thick pile cap on top of caissons	3	
50	Quarry	Old Primary Crusher	1973	4,386	80	Steel	8 misc piers 4 ea at 3'-3" x 6'-3", 2 ea at 3'-8" x 20'-9", 2 ea at 9" x 19"	5	
51	Quarry	Old Secondary Crusher	1973	2,805	48	Steel	Piers, 1 ea at 3'-10" x 10'-2" and 2 ea at 2'-8" x 10'-6"	3	
52	Plant 3	Coal silo	1973	1,075	58	Concrete Wall	Caissons 10 ea at 2'-6" dia x 20' with a 2'-6" x 3'-6" caisson cap	3	
53	Plant 2	Plant 2 Kiln Building	1947	43,632		Metal Siding Wall	Piers 1-6 Footer 6 ea 15'x52'x4', stem wall Piers 1-4 16ea 3'x7'x3' Piers 5,6 8ea 3'x7'x1' for the building 80ea varying sizes of footer from 4'x4'x2' to 6'x8'x2' and varying stem walls from 2'x2' to 2'-9"x2' x 4' to 6' tall	6"-8" Concrete slab	Demolished - Removed
54	Plant 2	Plant 2 Mill Building	1947	36,860	141	Metal Siding Wall	Footers 59ea varying sizes from 2'x1-6" to 12'x19' with 1' to 2'-9" thick, stem wall is 2'x3' with height varying from 5' to 7'.	6-8" concrete slab	
55	Plant 2	Truck Weigh Scale	2005	1,000	2	Wood Frame Control Shed	No walls - open	10'x100'x9" concrete slab	
56	Plant 2	Raw Water Tank	1996	1,963	38	Metal Bolted Tank	8' tall stem wall all around perimeter of tank.	Tank 1' thick	
57	Quarry	Old Old Primary Crusher	1947	525	45	Concrete Structure	Walls are 12 inches thick - no roof	Monolithic slab 3' thick	
58	Plant	Truck Washing Station	2016	400	10	Wood frame shed	No walls - open	2	
59	Plant	Ammonia Storage Building	2016	2,924	26	1/2 wall - open to roof metal siding	1/2 walls 4 feet high	3	
60	Plant	Tire Fuel Bins	2012	1,750	10	no roof	Walls are 12" in thickness	2	
61	Plant	Storage Warehouse	2012	8,750	16	Metal siding / frame	Walls are 16 feet high - metal sheeting	2	



BUILDING STRUCTURES

- 1 PLAN WAREHOUSE & MAINTENANCE
- 2 SERVICE BUILDING
- 3 1974 MILL COMPLEX, AIR SEPARATOR
- 4 1974 MILL COMPLEX, FINISH MILL AREA
- 5 1974 MILL COMPLEX, OLD COMP. ROOM & CONTROL ROOM
- 6 1974 MILL COMPLEX, COOLER, NEW OFFICE AREA
- 7 CONTROL ROOM & PUMP HOUSE
- 8 SO. QUARRY GARAGE
- 9 NO. QUARRY GARAGE
- 9A LUBRICATION OIL SHED
- 9B FUEL SHELTER
- 9C TRUCK WASH
- 10 QUARRY AREA ELECTRIC SUBSTATION
- 11 SERVICE BUILDING & WAREHOUSE
- 12 UTILITY STORAGE BUILDING
- 13 ADMINISTRATION OFFICE
- 14A NORTH CLINKER SILO
- 14B SOUTH CLINKER SILO
- 14C REJECT CLINKER SILO
- 15 CLINKER DOME
- 16 CEMENT GRINDING ENCLOSURE
- 17 XEOPS. 16 RAW MATERIAL SILO
- 18 NEW CEMENT SILO
- 19 CEMENT SILO ELECTRIC
- 20 GROUP 3 PLAT BLDG
- 21 GROUP 2. 1965 SILOS
- 22 PACKHOUSE SILOS
- 23 RAW WATER PUMP HOUSE
- 24 COAL HANKLING CONTROL ROOM
- 25 RR MAINTENANCE BUILDING
- 26 COAL UNLOADING CONTROL ROOM
- 27 QUONSET HUT MISC. STORAGE

BUILDING STRUCTURES

- | | |
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| 28 | CRUSHER ELECTRIC |
| 29 | CRUSHER COMPRESSOR |
| 30 | PREBLEND SHELTER |
| 31 | RAW MATERIAL ANALYZER & ELECTRIC |
| 32 | RAW MILL ELECTRIC, COMPRESSOR & ELECTRIC |
| 33 | RAW MILL FEED / BLENDED MATERIAL ANALYZER |
| 34 | MAIN ELECTRICAL CONTROL |
| 35 | BAGHOUSE BYPASS CONTROL |
| 36 | PREHEATER ELECTRICAL CONTROL ROOM |
| 37 | KILN GEAR ELECTRICAL & TRANSFORMER ROOM |
| 38 | COOLER PUMP SHED |
| 39 | CLINKER COOLER BAGHOUSE ELECTRICAL ROOM |
| 40 | CLINKER SILO ELECTRICAL & TRANSFORMER ROOM |
| 41 | COAL MILL HYDRAULIC SHELTER |
| 42 | COAL MILL ELECTRIC |
| 43 | WATER FILTRATION PLANT |
| 44 | RAW MILL FEED BINS |
| 45 | AIR / OIL HOUSE BLDG |
| 46 | SCRUBBER |
| 47 | RAW MEAL SILO |
| 48 | RAW MILL |
| 49 | CLINKER COOLER BLDG |
| 50 | OLD PRIMARY CRUSHER |
| 51 | OLD SECONDARY CRUSHER |
| 52 | COAL SILO |
| 53 | PLANT 2 MILL BUILDING |
| 54 | TRUCK WEIGH SCALE |
| 55 | RAW WATER TANK |
| 56 | OLD OLD PRIMARY CRUSHER |
| 57 | TRUCK WASHING STATION |
| 58 | AMMONIA STORAGE BUILDING |
| 59 | TIREFUEL BINS |
| 60 | STORAGE WAREHOUSE |
| 61 | |

					
FACILITY MAP UPDATED 7/1/2021 PORTLAND PLANT – FLORENCE COLORADO					
LOCAL Dwg No.	PCP- 				
DRAWN:	SCOTT WHITLER	12/22/06			
CHECKED:					
APPROVED:					
SCALE:	N.T.S.				
LOCATION NUMBER	122				
PROJECT NUMBER					
DATE:					
PERSON:					
DATE:					
PERSON:					
DATE:					
PERSON:					
DATE:					
DATE:					
NEW					
RELEASED FOR					
BY					
PORTLAND PLANT – FLORENCE COLORADO					
2122-					