



## COLORADO


Division of Reclamation,  
Mining and Safety

Department of Natural Resources

### MINERALS PROGRAM INSPECTION REPORT PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> Portland Limestone Quarry	<b>MINE/PROSPECTING ID#:</b> M-1977-344	<b>MINERAL:</b> Limestone (general)	<b>COUNTY:</b> Fremont
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Timothy Cazier, P.E.	<b>INSP. DATE:</b> July 16, 2020	<b>INSP. TIME:</b> 09:30
<b>OPERATOR:</b> Holcim (US) Inc.	<b>OPERATOR REPRESENTATIVE:</b> Julio Villon & Tom Newman	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Partial Bond	<b>BOND AMOUNT:</b> \$5,268,550.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> February 5, 2021

**The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.**

**INSPECTION TOPIC:** Financial Warranty

**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

## **OBSERVATIONS**

This inspection was conducted as part of the regular monitoring program. The Permittee (Holcim) was represented by Messrs. Julio Villon and Tom Newman during the inspection. The Portland Limestone Quarry is accessed from State Hwy 120 approximately 5 miles east of Florence. This is a 112c limestone mine. It was operating at the time of the inspection.

Availability of Records: Annual fees are paid through October 2020. The previous inspection was on April 26, 2017. The approved post-mine land use is rangeland. There were no open infractions prior to the inspection. Both the surface and minerals are privately owned.

Backfilling and Grading: Site representatives explained there is approximately 90 feet of overburden overlying an average of 36 feet of limestone product. The pit is backfilled with the blasted overburden, lowering the final surface accordingly.

Excess Spoil and Dev. Waste: Overburden is stockpiled on the south side of the active pit and pushed into the pit (see **Photo 1**) as the mining progresses north. Overburden was being removed on the northeast corner of the active pit (see **Photo 2**)

Explosives: A permanent seismograph was observed on the north side of the active pit near the gas line (see **Photo 3**).

Financial Warranty: A thorough review of the permit confirmed the cement production plant is still part of the permit, contrary to a previous understanding. As such, the \$5,268,550 bond is likely insufficient to cover demolition of approximately 60 structures as well as the required mine site reclamation. During the inspection, the need to keep the plant site in the permit was discussed. Site representatives said it would be a management decision. Subsequent to the inspection, the DRMS was informed Holcim wishes to keep the plant in the permit, rather than release it as a separate industrial facility. The DRMS subsequently began updating the financial warranty estimate based on the facility inventory received in January 2009 (see **Attachment A**). Based on Google Earth mage comparisons with the map provided to supplement the inventory list, it was determined that some of the 62 structures in the 2009 inventory appear to have been demolished, while some structures observed in Google Earth are not in the inventory. While the 2009 inventory provided building material information and square footage, the DRMS also requires building volume for an accurate estimate of demolition costs. A sample building demolition cost estimate worksheet is included as **Attachment B** for your reference. **The lack of a complete structure inventory, including building volumes is cited as a problem on page 1 of this report.**

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: The latest substitute water supply plan for the site submitted to the DRMS at the time of the inspection had expired in December 2018. Holcim provided a copy of their 2019 approved augmentation plan water decree to the DRMS on January 14, 2021.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. The maximum allowed disturbed area appears to be 1,600 acres. Google Earth was used to measure the disturbed area, which was estimated to be approximately 775 acres, based on 2019 imagery. This is consistent with the 784 acres of affected area in the 2020 annual report. Highwalls are benched at about 35 feet in height

and appeared stable (see **Photo 4**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations.

Roads: Haul roads are watered for dust control and haul trucks stay on the mine site so as to not track sediment offsite.

Right of Entry: The site is owned by the Operator.

Reclamation Success: Holcim is implementing concurrent reclamation. Backfilling and topsoil placement was observed to be progressing on the south end of the active mining area. Mr. Villon confirmed no seeding had been initiated at the time of the inspection.

Revegetation: A few tamarisk (salt cedar) plants were observed near the Beaver Creek diversion channel (see **Photo 5**). This is a noxious weed List B species, but the number of plants observed was not considered significant, so it was not cited as a problem. However, [the Operator should implement a weed control program to reduce the number of tamarisk plants on site](#), as they can quickly become a problem.

Sediment Control: Some minor erosion was observed along the Beaver Creek diversion channel (see **Photo 5**). No BMPs were needed at the time of the inspection, but [Holcim is strongly encouraged to get vegetation established on these slopes before erosion becomes problematic](#) and fills in the diversion channel to the point of reducing its capacity.

Support Facilities On-site: Haul trucks, loaders and dozers were observed on mine site. As the cement production plant is still in the permit, these ~60 structures are also considered support facilities.

Signs and Markers: The permit sign was properly posted (see **Photo 6**) and markers were observed to delineate the affected area boundary (see **Photo 7**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed.

Topsoil: Growth media placement was observed on the south side of the active pit area (see **Photos 8 and 9**).

Please contact Tim Cazier (303)328-5229 (cell) or email at [tim.cazier@state.co.us](mailto:tim.cazier@state.co.us) if you have any questions regarding this report.



## **PHOTOGRAPHS**



Photo 1. Pit backfill from south side (looking NE).



Photo 2. Overburden removal on NE corner of active pit (looking NW).



**PHOTOGRAPHS (cont.)**



Photo 3. Permanent seismograph near gas line (north side, looking SE).



Photo 4. North highwall in active pit (looking north).



**PHOTOGRAPHS (cont.)**



Photo 5. Tamarisk (foreground) and minor erosion rills on slope above diversion channel (looking south from north access road).



Photo 6. Permit sign at entrance.



**PHOTOGRAPHS (cont.)**



Photo 7. Typical affected area boundary marker (west side of pit, looking east).



Photo 8. Growth media placement (south of pit, looking SE).



**PHOTOGRAPHS (cont.)**



Photo 9. Growth media stockpile (stockpile on right).

**GENERAL INSPECTION TOPICS**

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <b>PB</b>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / **PB = Problem cited** / PV = Possible violation cited



**Inspection Contact Address**

Julio Villon  
Holcim (US) Inc.  
3500 Highway 120  
Florence, CO 81226

Enclosures

ec: DRMS file  
Julio Villon, Holcim

## ATTACHMENT A

Quarry Department – Portland Plant



Holcim (US) Inc.  
3500 State Hwy 120  
Florence, CO 81226

Phone 719-784-6325  
Fax: 719-784-3470  
www.holcim.com/us

*Insp-dtd  
12-19-07*

December 30, 2008

Mr. Berhan Keffelew ✓  
Environmental Protection Specialist  
Division of Reclamation, Mining, and Safety  
1313 Sherman Street, Room 215  
Denver, Colorado 80203

**RECEIVED**

✓ JAN 02 2009

to Division of Reclamation,  
Mining and Safety

**Subject: Detailed Facilities Inventory for Portland Cement Plant and Quarry, DRMS  
Permit #M-1977-344 ✓**

Dear Mr. Keffelew: —

Please find attached the detailed facilities inventory you requested for the Portland Cement Plant and Quarry. Per your instructions we have included a site map showing each structure inside the permit boundary with a key referencing the structure, the square footage area for each structure, a description of the structure, the year the structure was built, the type of material constructed from, and the type and thickness of the foundation of each structure.

Should you have any questions please do not hesitate to contact me at (719) 784-1209.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Joe Lamanna'.

Joe Lamanna  
Quarry Manager  
Portland Plant  
Holcim (US) Inc.

Cc: Joel Bolduc, Environmental Manager, Portland Plant



Facilities Map Key - Holcim (US) Inc.

Portland Plant  
3500 State Highway 120  
Florence CO. 81226

Building Number	Area	Description	Year Built	Square Ft	Materials of Construction	Foundation
1	Plant 3	Plant Warehouse & Maintenance	1970	16,000	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.
2	Plant 3	Service Building	1970	4,160	Concrete Twin Tee Wall	2'-6"x 2' Footer along perimeter of bldg. A stem wall 7" wide x 1'-6" tall with a 6" floor mat
3	Plant 3	1974 Mill Complex, Air Separator	1974	4,445	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.
4	Plant 3	1974 Mill Complex, Finish Mill Area	1974	9,779	Concrete Twin Tee Wall	The one above this covers this section of bldg.
5	Plant 3	1974 Mill Complex, Old Compressor Room & Control Room	1974	10,744	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'
6	Plant 3	1974 Mill Complex, Cooler, New Office Area Added	1974	22,179	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'
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.
8	Quarry	So. Quarry Garage	1954	5,457	Concrete Twin Tee Wall	Caissons 14 ea at 2'-6" dia x 2', has a 2'-6" x 3' footer along perimeter with an 8" concrete floor
9	Quarry	No. Quarry Garage	1974	5,664	Concrete Twin Tee Wall	Could not find any drawings but assume as the one above
9A	Quarry	Lubrication Oil Shed	1974	800	Concrete Wall	Footer 1' x 2' x 2' with a 10" x 3' stem wall with 8" x 8" runners connecting the footer
9B	Quarry	Fuel Shelter	1997	1,232	Concrete Pillars	Concrete pad 9" thick
9C	Quarry	Truck Wash	2004	300	Metal siding bldg	Stem Wall 3'-6" x 9" thick with a 2' wide x 9" thick footer
10	Quarry	Quarry Area Electric Substation	1974	672	Concrete Twin Tee Wall	Concrete slab 6" thick
11	Misc.	Service Building & Warehouse	1994	15,312	Concrete Wall	Spread Footer every 22' 8' x 4'-6" 33 total with a 2'-6" x 10" stem wall
12	Misc.	Utility Storage Building	1994	3,830		Building does not exist
13	Misc.	Administration Office	1994	5,856	Center Block Wall	10" tall x 16" wide footer with a 8" wide x 26" tall stem wall along perimeter of bldg with a 6" concrete pad.

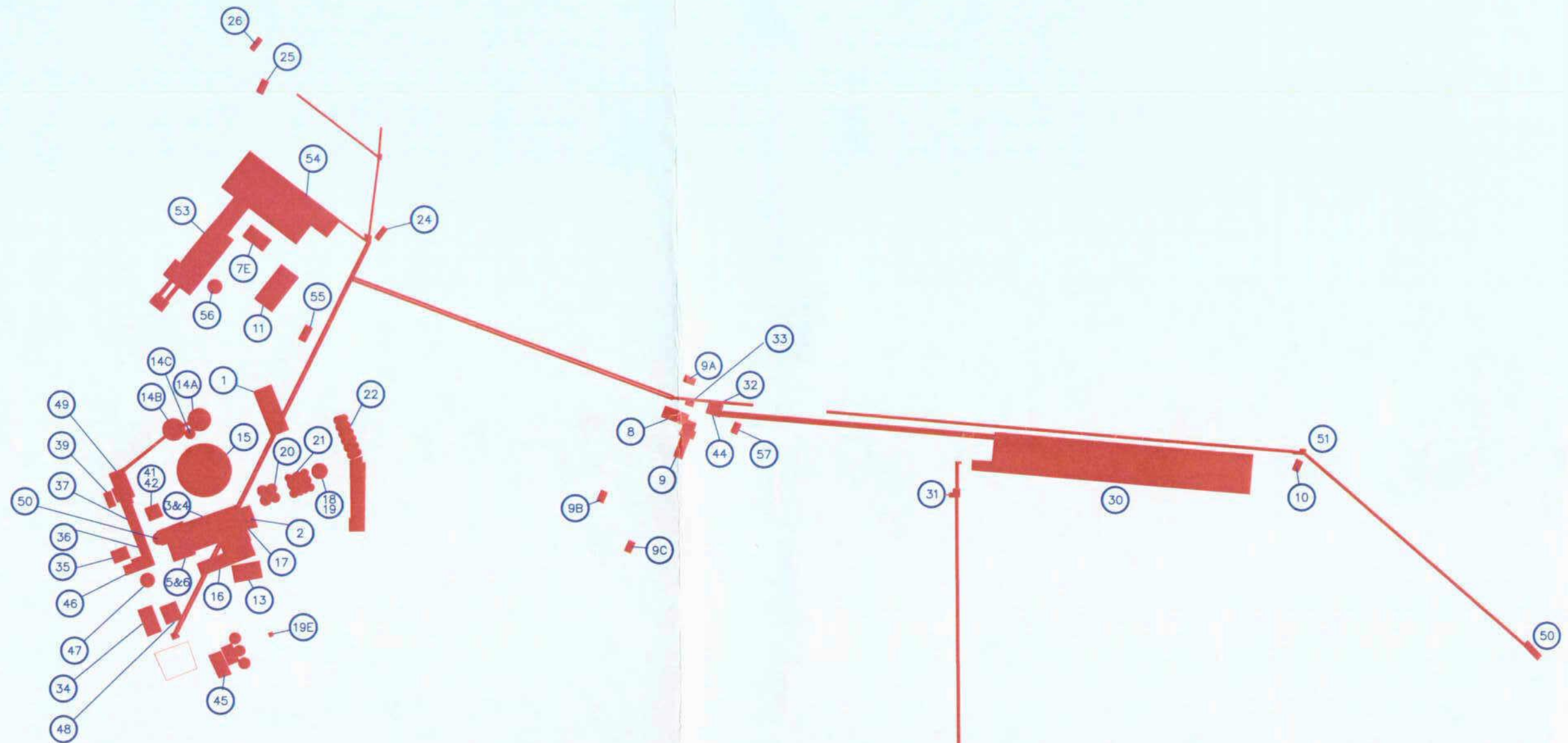
14A	Plant 4	North Clinker Silo	2001	1,110,998	Concrete Wall	This info to cover north, south and reject silos. Caissons 130 ea at 1.524m dia x 7.1m with a 1.1m thick concrete pad on top of caissons.
14B	Plant 4	South Clinker Silo	2001	1,110,998	Concrete Wall	Information for north silo covers south silo as well
14C	Plant 4	Reject Clinker Silo	2001	92,833	Concrete Wall	Information for north silo covers reject silo as well
15	Plant 4	Clinker Dome	1974	34,636	Concrete Wall and Metal siding	Footer 1'-6" x 9' along diameter of bldg.
16	Plant 4	Cement Grinding Enclosure	2001	14,505	Metal siding bldg	Caissons 57 ea at .914m dia x 7m and 39 ea at 1.22m x 7m with a 1m thick concrete pad
17	Plant 3	XFOBS 16 Raw Material Silo	1974	235,000	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
18	Plant 4	New Cement Silo	2001	616,824	Concrete Wall	Caissons 30 ea at 1.52m dia. X 11m with a 2m thick pile cap on top of caissons
19	Plant 4	Cement Silo Electric	2001	814	Center Block Wall	Concrete pad .3m thick in center and 1.2m thick on outer edges of building
20	Logistics	Group 3 Plat Bldg 13e	1974	1,496,256	Concrete Wall	Three rows of footer the outside footers are 2'x2'-6" and the middle footer is 3' x 2'-6" with a 3' concrete pad and lean concrete below footers no depth given
21	Logistics	Group 2 1965 Silos	1965	718,908	Concrete Wall	8' Thick class D Concrete and then 2' Thick class A Concrete for footers on top of the class D, you also have class C concrete 2' thick between footers
22	Logistics	Packhouse Silos	1925	896,601	Concrete Wall	Concrete slab 2'-9" thick
23	Plant 3	Raw Water Pump House	1965	80	Center Block Wall	Stem Wall 3'-6" x 9" thick with a 2' wide x 9" thick footer
24	Plant 2	Coal Handling Control Room	1974	720	Concrete Twin Tee Wall	Concrete slab 6" thick
25	Plant 2	RR Maintenance Building	1974	1,980	Concrete Twin Tee Wall	Concrete slab 3' thick
26	Plant 2	Coal Unloading Control Room	1974	144	Concrete Twin Tee Wall	Concrete slab 6" thick
27	Misc.	Quonset Hut Misc. Storage	2001	1,225	Metal siding / Wood Frame	Monolithic Slab 9" thick
28	Quarry	Crusher Electric	2001	1,496	Center Block Wall	Electrical room Concrete slab 1.3m thick with .3m of lean concrete below, transformer bldg 1m thick concrete pad
29	Quarry	Crusher Compressor	2001	291	Center Block Wall	No drawing found, assume 1m thick concrete pad



30	Quarry	Pre-Blend Shelter	2001	177,783	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
31	Quarry	Raw Material Analyzer & Electric	2001	1,568	Center Block & Metal siding	2' thick x 2'-6" wide along perimeter and thru center below that is a little bit of lean concrete
32	Quarry	Raw Mill Electric, Compressor & Electric	2001	1,536	Center Block Wall	Transformer bldg .4m concrete pad w/ .8m thick on two of the outer edges, Electric/compressor .4m pad w/ 1m thick on two of the outer edges
33	Quarry	Raw Mill Feed/Blended Material Analyzer	2001	462	Metal Siding Bldg	Concrete pad 1.2m thick
34	Plant 4	Main Electrical Control	2001	8,937	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
35	Plant 4	Baghouse Bypass Control	2001	2,132	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
36	Plant 4	Preheater Electrical Control Room	2001	3,825	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.
37	Plant 4	Kiln Gear Electrical & Transformer Room	2001	2,059	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
38	Plant 4	Cooler Pump Shed	2001	575	Concrete Structure	Included in clinker cooler bldg see item #49
39	Plant 4	Clinker Cooler Baghouse Electrical Room	2001	2,698	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.
40	Plant 4	Clinker Silo Electrical & Transformer Room	2001	532	Center Block Wall	See building # 14a description, foundation for this building is included in that one
41	Plant 4	Coal Mill Hydraulic Shelter	2001	240	Concrete, steel and center block	Caissons 17 ea at 1.22m dia x 6m with 4.5m thick pile cap on top of caissons
42	Plant 4	Coal Mill Electric	2001	741	Concrete, steel and center block	This building is included in the description above
43	Misc.	Water Filtration Plant	1994	1,360	Concrete Twin Tee Wall	Concrete slab 9" thick Footer - 9" thick x 2' wide along perimeter of bldg. Stem wall 9" wide x 3'-6" tall along perimeter of bldg.
44	Quarry	Raw Mill Feed Bins	2001	1,650	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
45	Plant 3	Air / Oil House Bldg	2007	6,000	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
46	Plant 4	Scrubber	2001	970	Fiberglass	Caissons 16 ea at .9m dia x 7.5m and 3 ea at .9m dia x 8m with 1.3m concrete pad on top of caissons
47	Plant 4	Raw Meal Silo	2001	1,220	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

48	Plant 4	Raw Mill	2001	7,190	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	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
50	Quarry	Old Primary Crusher	1973	4,386	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"
51	Quarry	Old Secondary Crusher	1973	2,805	Steel	1 ea at 3'-10" x 10'-2" and 2 ea at 2'-8" x 10'-6"
52	Plant 3	Coal silo	1973	1,075	Concrete Wall	Caissons 10 ea at 2'-6" dia x 20' with a 2'-6" x 3'-6" caisson cap
53	Plant 2	Plant 2 Kiln Building	1947	43,632	Metal Siding Wall	6"-8" Concrete slab, 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
54	Plant 2	Plant 2 Mill Building	1947	36,860	Metal Siding Wall	6"-8" Concrete slab, 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'.
55	Plant 2	Truck Weigh Scale	2005	1,000	Wood Frame Control Shed	10'x100'x9" concrete slab
56	Plant 2	Raw Water Tank	1996	1,963	Metal Bolted Tank	Tank 1' thick x 8' tall stem wall all around perimeter of tank.
57	Quarry	Old Old Primary Crusher	1947	525	Concrete Structure	Monolithic slab 3' thick





#### BUILDING STRUCTURES

- 1 PLANT WAREHOUSE & MAINTENANCE
- 2 SERVICE BUILDING
- 3 1974 MILL COMPLEX, AIR SEPERATOR
- 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 CONTOL 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 XFOBS 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

- 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 KILN BUILDING
- 54 PLANT 2 MILL BUILDING
- 55 TRUCK WEIGH SCALE
- 56 RAW WATER TANK
- 57 OLD OLD PRIMARY CRUSHER

28  
29

REVISION	DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY



FACILITY MAP  
PORTLAND PLANT  
FLORENCE, COLORADO  
PORTLAND PLANT - FLORENCE COLORADO

LOCAL DND NO.	PCP-
DRAWN	SCOTT WATLEY 12/22/08
CHECKED	
APPROVED	
SCALE	N.T.S.
LOCATION NUMBER	122
PROJECT NUMBER	2122-

# **ATTACHMENT B**

## **DEMOLITION WORK**

Task description: **Demo Plant Site Buildings - incomplete 7/22/2020**

Site: **Portland Limestone Quarry**

Permit Action: **TEMP**

Permit/Job#: **M1977344**

### **PROJECT IDENTIFICATION**

Task #: **P10**  
Date: **7/23/2020**  
User: **TC1**

State: **Colorado**  
County: **Fremont**

Abbreviation: **None**  
Filename: **M344-P10**

Agency or organization name: **DRMS**

### **UNIT COSTS**

**Location adjustment: 88.00 %**

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
ID#01 Metal Siding Bldg	16000 sqft X20'?	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 15 mile haul	32,000.00	CF	\$0.33	\$10,656.00
ID#01 7' tall x 10" stem wall sitting on caissons	7ft x 580ft	Footing, concrete, 2.0 ft. x 3 ft. - Average reinforcing	580.00	LF	\$5.94	\$3,445.20
ID#02 4,160 sqft Concrete Twin Tee Wall Bldg	4160 sqft x 75 ft	Bldg. (MC) demo./off-site disposal in approved landfill - Max. 15 mile haul	312,000.00	CF	\$0.62	\$193,440.00
ID#02 Service Bldg perimeter footer	430 ftx 2.5ftx2ft	Demo. and on-site disposal in existing pit, 1.5 ft. x 3 ft. - Max. 10,000 ft. haul	430.00	LF	\$7.51	\$3,229.30
ID#02 Service Bldg 6" floor mat	4160 sqft x 6"	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 10,000 ft. haul	4,160.00	SF	\$0.84	\$3,473.60
ID#03 Mill Complex, Air Separator	4445 s.f. x 50ft	Plant (3C) demo./off-site disposal in approved landfill - Max. 15 mile haul	222,250.00	CF	\$0.73	\$161,575.75
ID#03 2.5' tall x 10" stem wall sitting on caissons	2.5ft x 330ft	Demo. and on-site disposal in existing pit, 1.0 ft. x 2 ft. - Max. 10,000 ft. haul	330.00	LF	\$3.34	\$1,102.20
ID#04 Mill Complex, Finish Mill Area	9779 s.f. x 40 ft	Plant (3S) demo./off-site disposal in approved landfill - Max. 15 mile haul	391,160.00	CF	\$0.63	\$246,821.96

Job Hours: **0.00**

Subtotal  
(unadjusted): **\$623,744.01**

Total Cost  
(adjusted for location): **\$548,894.73**