



**COUNTY OR MUNICIPALITY
APPROVAL FOR
SURFACE MINING
(Form SM-6)**

NAME OF COMPANY OR INDIVIDUAL APPLICANT(S) <small>Same as name of the exploration permit holder. (Type or print in ink.)</small> <i>Ellensburg Cement Products</i>		TOTAL ACREAGE AND DEPTH OF PERMIT AREA <small>(Include all acreage to be disturbed by mining, setbacks, and buffers, and associated activities during the life of the mine.) (See SM-8A.)</small> Total area permitted will be <u>51</u> acres Maximum vertical depth below pre-mining topographic grade is <u>160</u> feet Maximum depth of excavated mine floor is <u>1830</u> feet <small>relative to mean sea level</small>																														
MAILING ADDRESS <i>P.O. Box 938 Ellensburg WA 98926</i>		COUNTY _____ No attachments will be accepted. Legal description of permit area:																														
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">1/4</th> <th style="width:15%;">1/4</th> <th style="width:15%;">Section</th> <th style="width:15%;">Township</th> <th style="width:15%;">Range</th> </tr> </thead> <tbody> <tr> <td>SW</td> <td>NE</td> <td>17</td> <td>17 N</td> <td>20E Wm</td> </tr> <tr> <td>SE</td> <td>NW</td> <td>17</td> <td>17 N</td> <td>20E Wm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			1/4	1/4	Section	Township	Range	SW	NE	17	17 N	20E Wm	SE	NW	17	17 N	20E Wm													
1/4	1/4	Section	Township	Range																												
SW	NE	17	17 N	20E Wm																												
SE	NW	17	17 N	20E Wm																												
Telephone <i>509-933-7050</i>		Proposed subsequent use of site upon completion of reclamation <i>Agriculture Storage, Dry land grazing, Hay Storage Equipment Storage</i>																														
Signature of company representative or individual applicant(s) 		Name and title of company representative (please print) <i>Leanny Morrison Permits Manager</i>		Date signed <i>5/19/2020</i>																												
TO BE COMPLETED BY THE APPROPRIATE COUNTY OR MUNICIPALITY:																																
Please answer the following questions 'yes' or 'no'.				<table border="1" style="width: 40px; height: 40px; border-collapse: collapse;"> <tr> <td style="width: 15px;">Yes</td> <td style="width: 15px;">No</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"> </td> </tr> </table>	Yes	No	X		X																							
Yes	No																															
X																																
X																																
1. Has the proposed surface mine been approved under local zoning and land-use regulations?																																
2. Is the proposed subsequent use of the land after reclamation consistent with the local land-use plan/designation?																																
When complete, return this form to the Department of Natural Resources.																																
Name of planning director or administrative official (please print) <i>Lindsey Ozbolt</i>		Address <i>411 N. Ruby St, #2 Ellensburg, WA 98926</i>																														
Signature 		<div style="border: 1px solid black; padding: 10px; color: blue; font-weight: bold;"> RECEIVED May 19, 2020 Washington Geological Survey </div>																														
Title (please print) <i>Planning Official</i>																																
Telephone <i>509-962-7046</i>	Date <i>May 19, 2020</i>	FOR DEPARTMENT USE ONLY:		DNR Reclamation Permit No.																												

APPLICATION FOR RECLAMATION PERMIT

Form SM-8A Revised 3/2015
12

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Form SM-8A Revised 3/2015
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22. SEGMENTAL RECLAMATION		
Permit area has been divided into segments for mining and a mining schedule has been developed? If no, explain:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Permit area has been divided into segments for reclamation and a reclamation schedule has been developed? If no, explain:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
23. SITE PREPARATION		
23A. Permit and Disturbed Area Boundaries		
Boundary of the permit area has been marked on the ground with permanent boundary markers? Explain boundary markers: Boundary will be marked at corners with stake and cap, T posts and GPS,	<input type="checkbox"/> yes	<input type="checkbox"/> no
23B. Saving Topsoil, Subsoil, and Overburden for Reclamation		
Thickness of topsoil is <u>0-3"</u> feet Thickness of subsoil is <u>0-3"</u> feet Depth to bedrock is <u>0-6"</u> feet Total volume of topsoil is <u>5000 Estimated</u> cubic yards Total volume of subsoil is <u>5000 Estimated</u> cubic yards Volume of stored topsoil/subsoil is <u>5000+</u> cubic yards and will require <u>2.0</u> acres for storage.		
Storage areas are shown on maps and have been marked on the ground with permanent boundary markers?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Topsoil will be salvaged? If no, explain:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Topsoil and overburden will be moved to reclaim an adjacent depleted segment? If no, explain: Soils at the site are minimal, they will be held in storage along the boundary line for reclamation when needed	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Before materials are moved, vegetation will be cleared and drainage planned for soil storage areas? If no, explain: Sparse grasses and forbes with a small amount of sagebrush on site	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Soil storage areas will be stabilized with vegetation to prevent erosion if materials will be stored for more than one season? If no, explain:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
23C. Setbacks and Screens		
The setback for this site will be <u>Variable</u> feet wide. From 0 to 120' reclamation Please see Narrative		
Is a permanent, undisturbed buffer planned for this site? If no, explain: A buffer is not needed due to remote nature of site	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Setbacks are shown on maps and have been marked on the ground with permanent boundary markers? If no, explain: The soil berm on the south side is the boundary	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Does this site have a backfilling plan that addresses the protection of adjacent property and how the final, stable slopes are to be achieved? If no, explain: Final slope will be a rubble slope which will be created by using reclamation blasting and placement of some backfill material	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
23D. Buffers to Protect Streams and Flood Plains		
A stream buffer of at least 200 feet has been marked on the ground with permanent boundary markers? If yes, see "Additional Requirements for Mines in Flood Plains" in "Instructions for SM-8A".	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A buffer of at least 200 feet from the 100-year flood plain has been marked on the ground with permanent boundary markers? If no, explain: No flood plain in area	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Copy of Shoreline Permit from local government or the Department of Ecology is attached? N/A	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Hydraulic Project Approval from the Department of Fish and Wildlife is attached? N/A	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
23E. Conservation Buffers		
Conservation buffers will be established for the following purpose(s): <i>(Check all that apply)</i> unstable slopes wildlife habitat water quality other No conservation buffer planned Describe the nature and configuration of the conservation buffer(s):		

Water control measure will be established to prevent erosion of setbacks and neighboring properties? If yes, give details. If no, explain:	yes	<input checked="" type="checkbox"/> no
Storm-water conveyance ditches and channels will be lined with vegetation or riprap? If yes, give details. If no, explain: Ditches at site are lined naturally with the basalt material	<input checked="" type="checkbox"/> yes	no
Natural and other drainage channels will be kept free of equipment, wastes, stockpiles, and overburden? If no, explain:	<u>yes</u>	no
25. RECLAMATION TOPOGRAPHY		
25A. Final Slopes		
Final slopes will be created using the cut-and-fill method? Explain procedure to be used: Slopes will be created by drill and blast	<input checked="" type="checkbox"/> yes	no
Slopes will be created by mining to the final slope using the cut method? Explain procedure to be used: Slopes will be created by drilling and blasting	yes	<input checked="" type="checkbox"/> no
Slopes will vary in steepness? If no, explain: Depending on the elevation and location of the slope	<input checked="" type="checkbox"/> yes	no
Slopes will have a sinuous appearance in both profile and plan view? If no, explain:	<input checked="" type="checkbox"/> yes	<u>no</u>
Large rectilinear (that is, right angle, or straight, planar) areas will be eliminated? If no, explain: Rubble slopes will used for reclaimed slope	<input checked="" type="checkbox"/> yes	no
Where reasonable, tracks of the final equipment pass will be preserved and oriented to trap moisture, soil, and seeds, and to inhibit erosion? If no, explain:	<input checked="" type="checkbox"/> yes	no
25B. Slope Requirements for Pits and Overburden/Waste Rock Dumps (non-saleable products)		
<i>If the mine is a quarry or in hard rock, skip to Quarry section (25C).</i>		
Slopes will vary between 2 and 3 feet horizontal to 1 foot vertical or flatter, except in limited areas where steeper slopes are necessary to create sinuous topography and control drainage? If no, explain:	yes	no
For pits, slopes will not exceed 2 feet horizontal to 1 foot vertical except as necessary to blend with adjacent natural slopes? Give details:	yes	no
Slope stability analysis required? <i>If yes, see "Additional Requirements for Mines with Steep or Potentially Unstable Slopes" in "Instructions for SM-8A".</i> Slope stability analysis provided by _____.	yes	no
25C. Slope Requirements for Quarries and Hardrock Metal Mines		
<i>If mine is a pit in unconsolidated materials covered by Section 25B, go to Section 25D</i>		
Check the appropriate box(es) Slopes will not exceed 2 feet horizontal to 1 foot vertical. Slopes steeper than 1 foot horizontal to 1 foot vertical are an acceptable subsequent land use as confirmed on Form SM-6. X Hazardous slopes or cliffs are indigenous to the immediate area and already present a potential threat to human life. Photo and maps attached to document presence of cliffs. Geologic or topographic characteristics of the site preclude slopes being reclaimed at a flatter angle and are an acceptable subsequent land use as confirmed on Form SM-6.		
Slope stability analysis required? <i>If yes, see "Additional Requirements for Mines with Steep or Potentially Unstable Slopes" in "Instructions for SM-8A".</i> Slope stability analysis provided by _____	yes	<input checked="" type="checkbox"/> no

Measures will be taken to limit access to the top and bottom of hazardous slopes? Describe measures, or if no, explain: Access to site is limited by locked gate, slopes have berms to limit access	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Selective blasting will be used to remove benches and walls and to create chutes, buttresses, spurs, scree slopes, and rough cliff faces that appear natural? Describe procedures, or if no, explain: Blasting will be used to create rubble slopes	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Reclamation blasting will be used to reduce the entire highwall to a scree or rubble slope less than 2 feet horizontal to 1 foot vertical? Blasting plan is attached? If no, explain: Highwall will be rubble slope, blasting along the reclamation boundary angled away from the highwall, will leave a desired 1.5:1 rubble slope for reclamation purpose.	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Access to benches will be maintained for reclamation blasting? If no, explain: Blasting can be accomplished from top of highwall	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Small portions of benches will be left to provide habitat for raptors and other cliff-dwelling birds? Possibly	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
25D. Backfilling		
Slopes will require backfilling? Depth of backfilling is <u>Approximately 120</u> feet. Slope stability compaction analysis required? Compaction analysis provided by	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Backfilling plan and (or) permits are attached? If no, explain: Backfilling of slopes will be a combination of blasted rubble and and backfill composed of onsite waste rock and imported materials	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Backfilling will be done with overburden material after topsoil has been separated? If no, describe composition and source of backfill material: Please see narrative Explain method of placement of fill: A dozer will push out soils on the upper perimeter of the site	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Locations of stockpiles are shown on maps and will be marked on the ground with permanent boundary markers? Stockpiles are shown on maps but will not need to be marked.	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Will backfill be imported? If yes, give volumes needed to meet reclamation plan: Materials are minimal and may need to be supplemented	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Areas to be backfilled are shown on maps? If no, explain:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
All grading/backfilling will be done with clean, inert, non-organic solids? If yes, give details. If no, explain:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Backfilled slopes will be compacted? If yes, give details. If no, explain: Backfilled areas will be slightly compacted by dozer when pushing out fill	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Will you be backfilling into water? If yes, is slope stability analysis attached? If yes, describe method:	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
25E. Mine Floors		
Flat areas will be formed into gently rolling mounds? If yes, give details. If no, explain: Subsequent use is for Agriculture storage	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Mine floor will be gently graded into sinuous drainage channels to preclude sheetwash erosion during intense precipitation? If yes, give details. If no, explain: Mine floor is in a depression	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no

Mine floor and other compacted areas will be bulldozed, plowed, ripped, or blasted to foster revegetation? If yes, give details. If no, explain: N/A	yes	X no
25F. Lakes, Ponds, and Wetlands		
Is water currently present in the area or will the mining penetrate the water table? <i>If no, go to Section 25G.</i>	yes	X no
Reclaimed areas below the permanent low water table in soil, sand, gravel, and other unconsolidated material will have a slope no steeper than 1.5 feet horizontal to 1 foot vertical? If yes, give details. If no, explain: This is a Basalt quarry	yes	no
If not already present, soils, silts, and clay-bearing material will be placed below water level to enhance revegetation? If yes, give details. If no, explain: N/A	yes	no
Some parts of pond and lake banks will be shaped so that a person can escape from the water?	yes	no
Armored spillways or other measures to prevent undesirable overflow or seepage will be provided to stabilize bodies of water and adjacent slopes? If yes, give details. If no, explain: N/A	yes	no
Wildlife habitat will be developed, incorporating such measures as: Sinuous and irregular shorelines? N/A Varied water depths? N/A Shallow areas less than 18 inches deep? N/A Islands and peninsulas? N/A Give details: N/A	yes yes yes yes	no no no no
Ponds or basins will: N/A Be located in stable areas? Have sufficient volume for expected runoff? Have an emergency overflow spillway? Spillways and outfalls will be protected (for example, rock armor) to prevent failure and erosion? If any answers are no, explain:	yes yes yes yes	no no no no
Proper measures will be taken to prevent seepage from water impoundments that could cause flooding outside the permitted area or adversely affect the stability of impoundment dams or adjacent slopes? If yes, give details. If no, explain: N/A	yes	no
Written approval from other agencies with jurisdiction to regulate impoundment of water is attached? If no, explain: No impoundments on site	yes	X no
25G. FINAL DRAINAGE CONFIGURATION		
Drainage will be capable of carrying the peak flow of the 25-year, 24-hour precipitation event? <i>(Data are available at DNR Region offices)</i> If yes, are calculations attached? If yes, give details. If no, explain: Site currently is capable of such an event, Storm water that is captured onsite wil be diverted to the depression of the quarry.	X yes yes	no X no
Drainages will be constructed on each reclaimed segment to control surface water, erosion, and siltation? Clean runoff is directed to a safe outlet? If either yes, give details. If no, explain: Clean run off is diverted around the site and is captured in either a retention area or by pass the site and be used for irrigation	X yes X yes	no no
Are these shown on maps?	yes	X no
The grade of ditches and channels will be constructed to limit erosion and siltation? If yes, give details. If no, explain: Natural rocky terrain lines the current ditching no other armor is required	yes	X no

Natural-appearing drainage channels will be established upon reclamation?	yes	X no
If yes, give details. If no, explain: Current drainage channels are adjacent to the permit boundary, no drainage channels will be constructed .		
26. SITE CLEANUP AND PREPARATION FOR REVEGETATION		
26A. Dealing with Hazardous Materials		
Hazardous materials are present at the mine site?	yes	X no
<i>If no, go to Section 26B</i>		
The final ground surface drains away from any hazardous natural materials?	yes	no
If yes, give details. If no, explain:		
Plan for handling hazardous mineral wastes indigenous to the site is attached?	yes	no
If no, written approval from all appropriate solid waste regulatory agencies attached?	yes	no
26B. Removal of Debris		
All debris (garbage, 'bone piles', treated wood, old mining equipment, etc.) will be removed from the mine site?	X yes	no
	X yes	no
All sheds, scale houses, and other structures will be removed from the site?		
If either answer is yes, give details. If no, explain:		
27. REVEGETATION		
The mine site is in:	X eastern Washington	the mine site is: wet X dry?
	western Washington	
The average precipitation is <u>.18 inches</u> per year.		
Revegetation will start during the first proper growing season (fall for grasses and legumes, fall or late winter for trees and shrubs) following restoration of slopes?	yes	no
If yes, give details. If no, explain: Seeding will be as currently planned, it will take place in fall of that current year.		
Test plots will be used to determine optimum vegetation plans?	yes	X no
The site will not be revegetated because:		
It is a rural area with a rainfall exceeding 30 inches annually and erosion will not be a problem (requires approval of DNR).		
Demonstration plots and areas will be used to show that active revegetation is not necessary.		
Revegetation is inappropriate for the approved subsequent use of this surface mine.		
Explain: Mine floor is for Agriculture storage, top of the mine will be seeded to aid in reestablishing the minimal grasses found at site		
Documentation is attached? Please see attached for Further explanation	yes	no
27A. Recommended Pioneer Species		
In the Sections below, check the species that will be planted at your mine site:		
<i>* indicates nitrogen-fixing species</i>		
Western Washington Dry Areas		
alfalfa*	lupine*	clover*
cereal rye	perennial rye	orchard grass
creeping red fescue	red alder*	colonial bent grass
ground cover	shrubs	Douglas fir
	other	ponderosa pine
		shore pine
Western Washington Wet Areas		
birdsfoot trefoil	sedges	cedar
cottonwood	tubers	wetland grasses
red alder*	creeping red fescue	willow
	other	

Eastern Washington Dry Areas		
alder*	X grasses	alfalfa* juniper
black locust	lodgepole pine	clover lupine*
deciduous trees	ponderosa pine	shrubs deep-rooted ground cover
diverse evergreens	X other	Sparse Dryland pasture grass
Eastern Washington Wet Areas		
alder*	cottonwood	poplar sedges
serviceberry	tubers	willow
other		
Give planting details (stems/acres of trees and shrubs, see Forest Practices manual ; lbs/acre of grass, legume, or forb mixture):		
Will seed areas according to seed directions		
Describe weed control plan:		
This site has an established weed control plan that will continue for the life of the site.		
27B. Planting Techniques		
Revegetation at this site will require:		
Ripping and tilling?	yes	X no
Blasting to create permeability?	yes	X no
Mulching?	yes	X no
Irrigation?	yes	X no
Fertilization?	yes	X no
Importation of clay- or humus-bearing soils?	yes	X no
Other soil conditioners or amendments?	yes	X no
Give details: After dozer pushes material out, Grass will be broadcast over area in the late fall. The grouser marks from the dozer will be left in soil, this will trap the seed. In early spring the seed will be naturally watered in the tracks to help kickstart the growth of the grass.		
Trees and shrubs will be planted in topsoil or in subsoil amended with generous amounts of organic matter?	yes	no
If yes, give details. If no, explain: There are no trees on site		
Mulch will be piled around the base of trees and shrubs?	yes	no
High quality stock will be used?	yes	no
Trees and shrubs will be planted while they are dormant?	yes	no
Stock will be properly handled, kept cool and moist, and planted as soon as possible?	yes	no
Seeds will be covered with topsoil or mulch no deeper than one-half inch?	yes	no
If any answers are no, explain: Grass seed will be broadcast on areas that have been reclaimed with a broadcast spreader. The dozer will leave its tracks which will trap the seeds, fines then can drift over the sparse soil and mix with the snow and rain through out late fall and winter.		
28. FINAL CHECKLIST		
All required maps are attached? (<i>See "Instructions for SM-8A" for detailed requirements.</i>)	X yes	no
All required cross sections are attached? (<i>See "Instructions for SM-8A" for detailed requirements.</i>)	X yes	no
Geologic map attached (if required)? (<i>See "Instructions for SM-8A" for detailed requirements.</i>)	yes	X no
All documents submitted have the date, the name and address of the permit holder, and the application number on every page of the material?	yes	no
The plan contains predominantly relevant information?	X yes	no
Have you completed the SM-6 and has it been signed by the local jurisdiction?	X yes	no
Have you provided the SEPA checklist?	X yes	no
Have you provided a copy of the SEPA determination (DNS, MDNS, or DS)?	X yes	no
Have you attached photographs?	X yes	no

When signed by the applicant and approved by the Department of Natural Resources, this document and the associated maps, cross sections, reclamation narrative, and other attachments will be the approved reclamation plan for this permit that the permit holder must follow. Significant variations from the approved reclamation plan may require that a new plan be submitted to the Department for approval.

The applicant shall be considered as the permit holder for this surface mine and shall be responsible for compliance with Chapter 78.44 RCW, Chapter 332-18 WAC, the approved reclamation plan and attachments, and the conditions of the permit if issued by the Department of Natural Resources.		
I hereby agree to comply with this plan. <i>Signature of applicant or company representative</i> _____ X	Name and Title of Company Representative Lenny Morrison Permit Manager Ellensburg Cement Products	Date signed
SURFACE OWNERSHIP Give names, addresses, and signatures of all individuals with possessory interest in land. <i>(Attach signed copies of this page if more than one.)</i> Howard J Clerf I verify that the applicant has my permission to mine from my land. <i>Signature of landowner(s)</i> <i>Date signed</i> _____ X I hereby verify that I have seen and approved this plan. <i>Signature of landowner(s)</i> <i>Date signed</i> _____ X	OWNERSHIP OF RIGHTS TO REMOVE MINERALS BY SURFACE MINING Give names, addresses, and signatures of all individuals with rights. <i>(Attach signed copies of this page if more than one.)</i> J Jeff Hutchinson P.O. Box 938 Ellensburg WA 98926 I verify that the applicant has my permission to mine this land. <i>Signature of rights owner(s)</i> <i>Date signed</i> _____ X I hereby verify that I have seen and approved this plan. <i>Signature of rights owner(s)</i> <i>Date signed</i> _____ X	
----- FOR DEPARTMENTAL USE ONLY -----		
Date accepted	Accepted by: _____ Title: _____	Reclamation Permit No.
Comments by Department:		

When signed by the applicant and approved by the Department of Natural Resources, this document and the associated maps, cross sections, reclamation narrative, and other attachments will be the approved reclamation plan for this permit that the permit holder must follow. Significant variations from the approved reclamation plan may require that a new plan be submitted to the Department for approval.

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I hereby agree to comply with this plan.
Signature of applicant or company representative

Name and Title of Company Representative
(Please print)

Date signed



Leann Morrison

5/21/2020

Permit Manager

SURFACE OWNERSHIP

Give names, addresses, and signatures of all individuals with possessory interest in land. (Attach signed copies of this page if more than one.)

Howard J. Clert
1232 22nd Ave. NE
Lake Stevens WA 98258

I verify that the applicant has my permission to mine from my land.

Signature of landowner(s)

Date signed

 03/02/2020

I hereby verify that I have seen and approved this plan.

Signature of landowner(s)

Date signed

 03/02/2020

OWNERSHIP OF RIGHTS TO REMOVE MINERALS BY SURFACE MINING

Give names, addresses, and signatures of all individuals with rights. (Attach signed copies of this page if more than one.)

Ellensburg Cement Products
P.O. Box 938
Ellensburg WA 98926

I verify that the applicant has my permission to mine this land.

Signature of rights owner(s)

Date signed

X  3/2/20

I hereby verify that I have seen and approved this plan.

Signature of rights owner(s)

Date signed

X  3/2/20

FOR DEPARTMENTAL USE ONLY

Date accepted

Accepted by:

Title:

Reclamation Permit No.

Comments by Department:

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MAR 05 2020

Washington Geological Survey

RECEIVED

June 17, 2020

Washington Geological Survey

Ellensburg Cement Products
P.O. Box 938
Ellensburg WA, 98926

RECEIVED
June 17, 2020
Washington Geological Survey

Narrative for Clerf Quarry Expansion # 70012735

1- Introduction

Ellensburg Cement Products has prepared this Expansion plan for the Washington State Department of Natural Resources (DNR), Reclamation permit number 70012735. The Expansion including this narrative, SM- 8A, SM- 6, Maps and all other supporting materials are intended to satisfy the DNR requirements for a vertical expansion.

2. Description

2.1 Site location

This site is located approximately five miles east of the city of Kittitas. The site address is 930 Prater rd. The Kittitas County Public Works has granted access to the quarry from Prater rd. The permit boundary will encompass 51 acres, the legal description follows.

S.W. ¼ N.E. ¼ SEC. 17, TWP. 17N, Range 20 E WM

S.E. ¼ N.W. ¼ SEC 17 TWP 17N Range 20 E WM

2.2 Background

The site is currently permitted for mining under permit # 70012735. This plan is to expand the site by changing the depth from the current 45 foot depth to 160 foot depth, Plus incorporate the WSDOT site #70010818 that was sold to the previous land owner (SM-2B attached). This will change the quarry from 38 acres to 51 acres. The floor elevation of 1830 feet (Sea Level) will remain unchanged. The change will be in the height of the highwall at the eastern end of the quarry. That would change the elevation of the east end of the quarry to 1990 feet (sea level) at the highest. This site has a constant demand for the quality Basalt material, and is a major source of Crushed material for Public and private projects of all sizes.

2.3

Mining Operations

Operations are ongoing. Before the crusher moves in the high wall is drilled and blasted for the processing phase. during the processing phase of the operation, A loader will load the raw material from base of the high wall and feed the crusher with the material. During the processing of the raw material it is conveyed to bunkers and then hauled to the appropriate stock pile. A site loader and operator are stationed at the site to load and scale customers of the various crushed products.

the floor of the quarry will remain at its current elevation of 1830. The overall depth will go from its current 45-foot depth (1830 mean sea level) up to 160-foot depth (1990 mean sea level) By adjusting the elevation at the east end of the permitted site up to the 1990' elevation.

Ellensburg Cement Products has a Clean Soil policy. Materials imported to the site will be inspected for unsuitable soils. The quarry will take in clean non organic fill which will be used in both the crushing operations and if needed in the reclamation phase for a better seed bed for re vegetation. This may include allium topsoil's when they become available. The site will approximately 200,000 cubic yards of clean fill it will be stored for future reclamation and recycle, it will be seeded with a dry land grass to help stop any erosion that may occur.

Ellensburg Cement Products
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Narrative for Clerf Quarry Expansion # 70012735 continued.

2.4 Vegetation

The undisturbed areas of the quarry are gently sloping westerly, the ground is sparsely covered with a native dry land grass suitable for periodic grazing. Very little sagebrush or other vegetation is on the site. No critical habitat exists in the area of the site.

2.5 Pre mining description

A branch of the Kittitas Reclamation District irrigation water borders site on both the east and north sides of the permitted area, it is on the opposite side of the mine separated by the easement to the mine (Shown on Map). The surrounding area slopes East to West and is used for Private grazing lands. The site adjoins the southern and western sides with one residence to the north east. To the east and south is grazing land that is rough and rocky with minimal vegetation, suitable for temporary grazing.

3.0 Topography

Within a mile radius of the mine there are very steep slopes and cliffs that are at least a 1:1 that may or may not have natural benches. These steep areas are up to 100 feet high in areas and cover about 500 feet or so in length. A large area next to the county road just below the site is close to a 1:1 to 1:1.5 slope. Most of the areas around the site are mostly irrigated grazing that borders the current site, this site is fairly remote with access and one residence that adjoins the North side of the KRD canal. The quarry is bordered by some pasture lands that are used for cattle grazing

4.0 Reclamation

Rubble slopes with some cliffs or benching may be created upon final reclamation. Because of the revision to the elevation the reclamation setback will be variable. See plan maps for details.

The adjustment to the reclamation setback will begin at the current phase of the active mine. The adjustments will be made as the mining phases continue. This will allow for the proper final grade of 1.5:1. Benches and cliffs may be made to help the bird population in the area. The mine floor will be left relatively flat for hay and equipment storage and other agriculture purposes as needed. After topsoil has been placed on the rim of the site a dryland pasture grass will be seeded at the fall of that year. The final slopes may need to be back filled to achieve the 1.5:1. Soils will not be placed on the slopes. Soils will not be used on the floor because of the subsequence use of the site. No other plantings will be necessary to reclaim the site.

Ellensburg Cement Products

Import Materials for all Mine sites

Ellensburg Cement Products has a clean import materials program. Imports will only come from pre-approved sites.

Concrete and asphalt are allowed and inspected for any iron or rebar. It must be 2 foot by 2 foot or smaller. This material is inspected and dumped in an area close to the crusher operation for recycle purpose.

Import fill is allowed on sites to be used for site reclamation. This imported material comes from a pre-approved project that is inspected before it can be dumped on-site. This material cannot contain any Hazardous or contaminated waste.

When hauled into the Clerf quarry the material is dumped in a designated area where it will be inspected and monitored throughout the day while it is being hauled in. If at a remote site, the loader operator will inspect the material and show the driver where it is to be dumped. The loader operator will then monitor the waste being brought to the pit. If anything, other than soils are hauled in at any site such as scrap lumber, garbage, roofing, old pipe, plastic pipe etc.... it will be loaded back on to the truck that is hauling the import and sent back to the customer.

Imported soils that are hauled in may be processed through a portable screening plant for a better material for the reclamation phase at that site.

Most if not all imported material comes from known areas in the county. Most are large building projects that would not be contaminated. Contaminated sites are well known and are subjected to inspection and disposal at regulated sites.