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Geology and Earth

WASHINGTON STATE DEPARTMENT OF **Natural Resources**

APPLICATION FOR RECLAMATION PERMIT FORM SM-8A

Check appropriate box(es): ☐ new permit ☒ revision of existing permit ☐ transfer of permit ☒ expansion

NOTE: Do not attempt to complete this form until you have carefully read the accompanying instruction document (SM8AINST.PDF). Do not attempt to use this form as an MS Word Template unless you are familiar with the use of templates in MS Word.

1. NAME OF APPLICANT/PERMIT HOLDER(S)
NEWPORT EQUIPMENT ENTERPRISES, INC.

2. MAILING ADDRESS
P.O. BOX 2553
PRIEST RIVER ID. 83856

3. Telephone 509-447-4688
UBI No. 601-290-105

4. NAME OF MINE
SMITH QUARRY

5. Street address and milepost of surface mine
328 772 HWY 2
NEWPORT, WA. 99156
M.P. 328

6. Distance (miles) 6
7. Direction from SOUTH
8. Nearest community NEWPORT, WA.

9. COUNTY PEND OREILLE
No attachments will be accepted. Legal Description of permit area:

1/4	1/4	Section	Township	Range
N 1/2	SE 1/4	32	31N	45E

10. TOTAL ACREAGE OF PERMIT AREA APPLIED FOR
(include all acreage to be disturbed by mining, setbacks, buffers, and associated activities during the life of the mine.)
76.6 acres

11. Do you or any person, partnership, or corporation associated with you now hold, or have you held, a surface mining operating or reclamation permit? ☒ yes ☐ no

If you answered yes to the above, please list:

Permit Number	Active Operation? Yes	Active Operation? No	Reclamation current/complete? Yes	Reclamation current/complete? No
70-013016	☒	☐	☒	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

12. Are all of these mines now in compliance with RCW 78.44, WAC 332-18, and conditions of the permits? ☒ yes ☐ no

13. Have you ever had a surface mine operating or reclamation permit revoked? ☐ yes ☒ no

Have you ever had a reclamation security forfeited? ☐ yes ☒ no

If you answered yes to either of the above, list the permit number(s):

14. Type of proposed or existing mine: ☒ pit ☒ quarry
Material(s) to be mined: ☒ sand and gravel ☒ rock or stone ☐ clay ☐ metal ☐ limestone ☐ silica
☐ other THIS ACREAGE HAS A SAND & GRAVEL DEPOSIT & ROCK OUTCROPPINGS

Deposit type: ☒ glacial ☐ river floodplain (alluvial) ☐ river channel deposits ☐ talus ☒ bedrock ☐ lode ☐ unknown ☐ other

15. Total Acreage and Depth of Permit Area:
(Include all acreage to be disturbed by mining, setbacks, buffers, and associated activities during the life of the mine.) (See Form SM-6.)

Total area disturbed will be 76.6 acres.
Area to be disturbed in next 36 months will be 8 acres.

Maximum vertical depth below pre-mining topographic grade is 120 feet.
Maximum depth of excavated mine floor is 2310 feet relative to mean sea level

16. Expected start date of mining 3/15/03
17. Estimated number of years 25

18. Total quantity to be mined over life of mine (estimated): 2,000,000 ☒ tons, or ☐ cu yds
19. Estimated annual production: 50,000 TO 100,000 ☒ tons, or ☐ cu yds

20. Subsequent land use: ☐ industrial ☐ commercial ☒ residential ☐ agricultural ☐ forestry ☐ wetlands and lakes
☐ Other

Reclaimed elevation of floor of mine: 2310 feet relative to mean sea level

Reclaimed elevation is shown on cross sections? ☒ yes ☐ no

Subsequent land use is compatible with County or Municipal comprehensive plan? ☒ yes ☐ no

County or Municipality Approval for Surface Mining (Form SM-6) attached? ☒ yes ☐ no

SEPA Checklist required? ☒ yes ☐ no

If any answers are no, explain:

21. Application fee for a new reclamation permit is herewith attached? ☐ yes ☒ no
REVISION

RECLAMATION PERMIT APP. NO. 13016

CHECKLIST OF RECLAMATION STANDARDS

22. SEGMENTAL RECLAMATION

Permit area has been divided into segments for mining and a mining schedule has been developed? ☒ yes ☐ no

If no, explain:

Permit area has been divided into segments for reclamation and a reclamation schedule has been developed? ☒ yes ☐ no

If no, explain:

23. SITE PREPARATION

23A. Permit and Disturbed Area Boundaries

Boundary of the permit area has been marked on the ground with permanent boundary markers? ☒ yes ☐ no

Explain boundary markers: BOUNDARIES FOLLOW EXISTING ROADS & PROPERTY LINES MARKED WITH FLAGGING

23B. Saving Topsoil, Subsoil, and Overburden for Reclamation

Thickness of topsoil is 0 - 2 feet

Thickness of subsoil is 0-30 feet

Depth to bedrock is 0-30 feet

Total volume of topsoil is 40,000 cubic yards

Total volume of subsoil is 170,000 cubic yards

Volume of stored topsoil/subsoil is 1500 cubic yards and will require 1 acres for storage.

Storage areas are shown on maps and have been marked on the ground with permanent boundary markers? ☒ yes ☐ no

Topsoil will be salvaged? ☒ yes ☐ no

If no, explain:

Topsoil and overburden will be moved to reclaim an adjacent depleted segment? ☒ yes ☐ no

If no, explain: ONLY INITIAL SOIL REMOVED AT START OF OPERATION WILL BE STOCKPILED, SUBSEQUENT REMOVAL WILL BE USED FOR SEGMENTAL RECLAMATION,

Before materials are moved, vegetation will be cleared and drainage planned for soil storage areas? ☒ yes ☐ no

If no, explain:

Soil storage areas will be stabilized with vegetation to prevent erosion if materials will be stored for more than one season? ☒ yes ☐ no

If no, explain: AREAS WILL BE SEEDED

23C. Setbacks and Screens

FOR QUARRY NO1 BELOW

Maximum depth of the mine will be 120 feet from 2460 feet (*highest*) to 2340 feet (*lowest*) elevation relative to mean sea level. ①

30 FEET FROM 2340 FEET TO 2310 FEET FOR GRAVEL & SAND

The setback for this site will be 30 feet wide.

Is a permanent, undisturbed buffer planned for this site? ☒ yes ☐ no

If no, explain: THE BUFFER CONSISTS OF TREES.

Setbacks are shown on maps and have been marked on the ground with permanent boundary markers? ☒ yes ☐ no

If no, explain:

CHECKLIST OF RECLAMATION STANDARDS

Does this site have a backfilling plan that addresses the protection of adjacent property and how the final, stable slopes are to be achieved? ☒ yes ☐ no

If no, explain:

23D. Buffers to Protect Streams and Flood Plains NA

If yes, see "Additional Information Requirements for Flood Plain Mines." This document is included in the SM8AINST.PDF file.

A stream buffer of at least 200 feet has been marked on the ground with permanent boundary markers? ☐ yes ☐ no

A buffer of at least 200 feet from the 100-year flood plain has been marked on the ground with permanent boundary markers? ☐ yes ☐ no

If no, explain:

Copy of Shoreline Permit from local government or the Dept of Ecology is attached? ☐ yes ☐ no

Hydraulic Project Approval from the Department of Fish and Wildlife is attached? ☐ yes ☐ no

23E. Conservation Buffers NA

Conservation buffers will be established for the following purpose(s): (*Check all that apply*)

☐ unstable slopes ☐ wildlife habitat ☐ water quality ☐ other _____

Describe the nature and configuration of the conservation buffer(s):

Conservation setbacks are shown on maps and have been marked on the ground with permanent boundary markers? ☐ yes ☐ no

23F. Ground Water NA

High water table depth is 130 feet ☐ relative to mean sea level, ☒ below original surface, or ☐ unknown.

Low water table depth is _____ feet ☐ relative to mean sea level, ☐ below original surface, or ☒ unknown.

Annual fluctuation of water table is from _____ feet on _____ to _____ feet on _____.

Direction of ground water flow: SW

Are well logs attached? ☐ yes ☒ no

Is the aquifer perched? ☐ yes ☐ no

Is the shallowest aquifer: ☐ confined ☒ unconfined

The site will be mined: ☐ wet ☒ dry ☐ both

Describe mining method: THE QUARRY WILL BE DRILLED & SHOT & CRUSHED INTO SPECIFICATION MATERIAL AND SOLD FOR ROAD BUILDING MATERIAL
THE SAND & GRAVEL PIT WILL BE DUG WITH DIGGING EQUIPMENT SUCH AS A LOADER AND THE LOADED, HAULED AND USED AS FILL OR AS ROAD BUILDING OR SITE MATERIAL

The site is in a:
☐ critical aquifer recharge area ☐ sole source aquifer ☐ public water supply watershed
☐ wellhead protection area ☐ special protection area ☐ designated aquifer protection area

Ground water study attached? ☐ yes ☒ no

If yes, see "Additional Information Requirements for Hydrologically Sensitive Areas." This document is included in the SM8AINST.PDF file.

If no, explain: THIS IS NOT A HYDROLOGICAL SENSITIVE AREA

23G. Archeology

Are archeological/cultural resource sites present? ☐ yes ☒ no

If yes, describe how you will protect these resources: THERE ARE NONE KNOWN IN THIS AREA.

CHECKLIST OF RECLAMATION STANDARDS

24. MINING PRACTICES TO FACILITATE RECLAMATION

24A. Soil Replacement

Topsoil will be saved? ☒ yes ☐ no
If no, explain:

Up to 4 feet of topsoil and (or) subsoil will be restored? ☒ yes ☐ no
If no, explain:

Topsoil will be restored and seedbeds prepared as necessary to promote effective revegetation and to stabilize slopes and mine floor? ☒ yes ☐ no
If "yes" give details, if "no", explain: TOPSOIL WILL BE REMOVED PRIOR TO OPERATION OF MINING IN QUARRY OR HAULING FROM SAND & GRAVEL PIT. AND STORED AND THEN USED FOR RECLAMATION AS PROJECT PROGRESSES.

Subsoil will be replaced to an approximate depth of 1 feet on the pit floor and a depth of 1 feet on slopes.

Topsoil will be replaced to an approximate depth of 3 feet on the pit floor and a depth of 3 feet on slopes.

Topsoil will be distributed evenly over the site? ☒ yes ☐ no
If no, explain:

If topsoil is in short supply, it will be strategically placed in depressions and low areas in adequate thickness to conserve moisture and promote revegetation? ☒ yes ☐ no
If no, explain:

Topsoil will be moved when conditions are not overly wet or dry? ☒ yes ☐ no
If no, explain:

Topsoil will be imported? ☐ yes ☒ no
If yes, describe source. If no, explain:

Synthetic topsoil made from compost, biosolids, or other amendments will be used and (or) made on site to supplement existing topsoil? ☐ yes ☒ no
If yes, explain:

Materials such as till, loess, and (or) silt are available on site that could be used to supplement topsoil for reclamation. ☐ yes ☒ no
If yes, explain:

Silt from settling ponds or a filter press will be used for reclamation? ☐ yes ☒ no
If yes, explain:

CHECKLIST OF RECLAMATION STANDARDS

Settling pond clay slurries will be pumped or hauled to other segments for reclamation? ☐ yes ☒ no
If yes, explain:

Topsoil will be replaced with equipment that will minimize compaction, or it will be plowed, disked, or ripped following placement? ☒ yes ☐ no
If no, explain:

Topsoil will be immediately stabilized with grasses and legumes to prevent loss by erosion, slumping, or crusting? ☒ yes ☐ no
If no, explain:

Topsoil stockpile areas are shown on maps and will be marked on the ground with permanent boundary markers to protect from loss? ☒ yes ☐ no
If no, explain:

Segmental topsoil removal and replacement is shown on maps? ☒ yes ☐ no
If no, explain:

Topsoil salvage and replacement plan included? ☒ yes ☐ no
If no, explain:

24B. Removal of Vegetation

Vegetation will be removed sequentially from areas to be mined to prevent unnecessary erosion? ☒ yes ☐ no
If no, explain:

Small trees and other transplantable vegetation will be salvaged for use in revegetating other segments? ☐ yes ☒ no
If yes, give details. If no, explain: THIS ARE WILL NOT BE RECLAIMED AS A FORESTED SITE, IT WILL BE RECAIMED AS RESIDENTIAL DEVELOPMENT

Wood and other organic debris will be:
☐ recycled ☐ removed from site ☒ chipped ☒ burned ☐ buried ☐ used to synthesize topsoil or mulch
☒ other (*explain*) LARGER TREES WILL BE LOGGED AS MERCHANTABLE TIMBER

Solid waste disposal, burning, and land use permits are attached? WILL BE ACQUIRED AS NEEDED ☐ yes ☒ no

Some coarse wood (logs, stumps) and other large debris will be salvaged for fish and wildlife habitats? ☐ yes ☒ no
If yes, give details. If no, explain: RECLAIMED SITE WILL BECOME RESIDENTIAL THEREFORE NOT COMPATABLE FOR WILDLIFE HABITAT ENHANCEMENT

24C. Erosion control for Reclamation

Pit floor will slope at gentle angles toward highwall, sediment retention pond, or proper drainage? ☒ yes ☐ no
If yes, give details. If no, explain: SLOPE WILL BE GENTLE TOWARD HIGHWALL TO CATCH ANY STORM WATER

CHECKLIST OF RECLAMATION STANDARDS

Revegetation, sheeting, and (or) matting will be used to protect areas susceptible to erosion? ☐ yes ☒ no
If yes, give details. If no, explain: FINAL SLOPES WILL BE FLAT ENOUGH THAT SEEDING WILL CONTROL EROSION

Water control systems used for erosion control during segmental reclamation will:

Divert clean water around pit?	☒ yes	☐ no
Trap sediment-laden runoff before it enters a stream?	☒ yes	☐ no
Result in essentially natural conditions of volume, velocity, and turbidity?	☒ yes	☐ no
Handle a 25-year, 24-hour peak event?	☒ yes	☐ no
(Have you attached calculation?)	☐ yes	☒ no
Be removed or reclaimed?	☐ yes	☒ no

If any answers are no, explain: ALL RUNOFF WATER WILL BE RETAINED WITHIN THE PIT AREA.

Will any water control systems be removed upon final reclamation? ☐ yes ☒ no
If yes, explain:

Water control measure will be established to prevent erosion of setbacks and neighboring properties? ☒ yes ☐ no
If yes, give details. If no, explain: NATURAL SLOPES ON GROUND IN PIT AREA AND SEEDING AS NECESSARY WILL PREVENT EROSION OF SETBACKS AND TO NEIGHBORING PROPERTIES.

Storm-water conveyance ditches and channels will be lined with vegetation or riprap? ☐ yes ☒ no
If yes, give details. If no, explain: QUARRY FLOOR WILL BE SLOPED INWARD TOWARDS THE HIGH WALLS

Natural and other drainage channels will be kept free of equipment, wastes, stockpiles, and overburden? ☒ yes ☐ no
If no, explain:

25. RECLAMATION TOPOGRAPHY

25A. Final Slopes

Final slopes will be created using the cut-and-fill method? ☐ yes ☒ no
Explain procedure to be used: MINING WILL OCCUR TO THE PRESCRIBED SLOPE ANGLE

Slopes will be created by mining to the final slope using the cut method? ☒ yes ☐ no
Explain procedure to be used: THE EXISTING TOPOGRAPHY LENDS ITSELF TO MINING THE PRESCRIBED SLOPE ANGLE THROUGH THE CUT METHOD

Slopes will vary in steepness? ☒ yes ☐ no
If no, explain:

Slopes will have a sinuous appearance in both profile and plan view? ☒ yes ☐ no
If no, explain:

CHECKLIST OF RECLAMATION STANDARDS

Large rectilinear (that is, right angle, or straight, planar) areas will be eliminated? ☒ yes ☐ no
If no, explain:

Where reasonable, tracks of the final equipment pass will be preserved and oriented to trap moisture, soil, and seeds, and to inhibit erosion? ☒ yes ☐ no
If no, explain:

25B. Slope Requirements for Pits and Overburden/Waste Rock Dumps (non-saleable products)

If the mine is a quarry or in hard rock, skip to Quarry section(25C).

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? ☒ yes ☐ no
If no, explain:

For pits, slopes will not exceed 2 feet horizontal to 1 foot vertical except as necessary to blend with adjacent natural slopes? ☒ yes ☐ no
Give details: SLOPES WILL BE CONSTRUCTED TO NOT EXCEED 2 FT HORIZONTAL TO 1 FOOT VERTICAL - THERE SHOULD NOT BE STEEPER SLOPES AFTER FINAL RECLAMATION

Slope stability analysis required? ☐ yes ☒ no
If yes, see "Additional Information Requirements for Mines with Potentially Unstable or Steep Slopes." This document is included in the SM8AINST.PDF file.
Slope stability analysis provided by _____

25C. Slope Requirements for Quarries and Hardrock Metal Mines

If mine is a pit in unconsolidated materials covered by Section 25B, go to Section 25D

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.
☐ 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? ☐ yes ☒ no
If yes, see "Additional Information Requirements for Mines with Potentially Unstable or Steep Slopes." This document is included in the SM8AINST.PDF file.
Slope stability analysis provided by _____

Measures will be taken to limit access to the top and bottom of hazardous slopes? ☒ yes ☐ no
Describe measures, or if no, explain: OUTSIDE OF QUARRY WILL BE IDENTIFIED AS ENTRANCE TO QUARRY SITE, AND FINAL RECLAMATION WILL BE ACCOMPLISHED TO ELIMINATE HAZARDOUS SLOPES.

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? ☐ yes ☒ no
Describe procedures, or if no, explain: THE QUARRY WILL BE MINED TO FINAL SLOPE.

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? ☐ yes ☒ no
Blasting plan is attached? ☐ yes ☒ no
If no, explain: THE QUARRY WILL BE MINED TO FINAL SLOPE

CHECKLIST OF RECLAMATION STANDARDS

Access to benches will be maintained for reclamation blasting? ☐ yes ☒ no
If no, explain: WILL BE MINING TO FINAL SLOPE GRADE

Small portions of benches will be left to provide habitat for raptors and other cliff-dwelling birds? ☐ yes ☒ no

25D. Backfilling

Slopes will require backfilling? ☐ yes ☒ no
Depth of backfilling is _____ feet.
Slope stability compaction analysis required? ☐ yes ☒ no
Compaction analysis provided by

Backfilling plan and (or) permits are attached? NA ☐ yes ☐ no
If no, explain:

Backfilling will be done with overburden material after topsoil has been separated? ☐ yes ☒ no
If no, describe composition and source of backfill material: WILL BE MINING TO FINAL SLOPE

Explain method of placement of fill:

Locations of stockpiles are shown on maps and will be marked on the ground with permanent boundary markers? ☒ yes ☐ no

Will backfill be imported? ☐ yes ☒ no
If yes, give volumes needed to meet reclamation plan:

Areas to be backfilled are shown on maps? ☐ yes ☒ no
If no, explain: WILL BE MINED TO FINAL SLOPE GRADE

All grading/backfilling will be done with clean, inert, non-organic solids? ☐ yes ☒ no
If yes, give details. If no, explain: WILL BE MINED TO FINAL SLOPE GRADE

Backfilled slopes will be compacted? ☐ yes ☒ no
If yes, give details. If no, explain: NO BACKFILL NEEDED

Will you be backfilling into water? ☐ yes ☒ no
If yes, is slope stability analysis attached? ☐ yes ☐ no
If yes, describe method:

25E. Mine Floors

Flat areas will be formed into gently rolling mounds? ☐ yes ☒ no
If yes, give details. If no, Explain: MINE FLOORS WILL BE LEFT FAIRLY FLAT, TOPPED WITH SOIL AND SEEDED FOR USE AS RESIDENTIAL DEVELOPMENT

CHECKLIST OF RECLAMATION STANDARDS

Mine floor will be gently graded into sinuous drainage channels to preclude sheetwash erosion during intense precipitation? ☐ yes ☒ no

If yes, give details. If no, explain: MINE FLOOR WILL BE LEFT FAIRLY FLAT, TOPPED WITH SOIL AND SEEDED FOR USE AS RESIDENTIAL DEVELOPMENT PIT FLOOR FLOOR WILL BE SLOPED TOWARD BACKWALL

Mine floor and other compacted areas will be bulldozed, plowed, ripped, or blasted to foster revegetation? ☒ yes ☐ no

If yes, give details. If no, explain: BLASTING WILL BE DONE TO PIT FLOOR SUBGRADE AND COVERED WITH TOP SOIL

25F. Lakes, Ponds, and Wetlands NA

Is water currently present in the area or will the mining penetrate the water table? ☐ yes ☐ no

If no, go to Section 25G.

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? ☐ yes ☐ no

If yes, give details. If no, explain:

If not already present, soils, silts, and clay-bearing material will be placed below water level to enhance revegetation? ☐ yes ☐ no

If yes, give details. If no, explain:

Some parts of pond and lake banks will be shaped so that a person can escape from the water? ☐ yes ☐ no

If yes, give details. If no, explain:

Armored spillways or other measures to prevent undesirable overflow or seepage will be provided to stabilize bodies of water and adjacent slopes? ☐ yes ☐ no

If yes, give details. If no, explain:

Wildlife habitat will be developed, incorporating such measures as:

- Sinuous and irregular shorelines? ☐ yes ☐ no
- Varied water depths? ☐ yes ☐ no
- Shallow areas less than 18 inches deep? ☐ yes ☐ no
- Islands and peninsulas? ☐ yes ☐ no

Give details:

Ponds or basins will:

- Be located in stable areas? ☐ yes ☐ no
- Have sufficient volume for expected runoff? ☐ yes ☐ no
- Have an emergency overflow spillway? ☐ yes ☐ no
- Spillways and outfalls will be protected (for example, rock armor) to prevent failure and erosion? ☐ yes ☐ no

If any answers are no, explain:

CHECKLIST OF RECLAMATION STANDARDS

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? ☐ yes ☐ no
If yes, give details. If no, explain:

Written approval from other agencies with jurisdiction to regulate impoundment of water is attached? ☐ yes ☐ no
If no, explain:

25G. FINAL DRAINAGE CONFIGURATION

Drainage will be capable of carrying the peak flow of the 25-year, 24-hour precipitation event (*Data are available at DNR Region offices*) ☒ yes ☐ no
If yes, are calculations attached? ☐ yes ☒ no
If yes, give details. If no, explain: FINAL RECLAMATION PLAN SHOWS SITE TO HAVE A GENTLER SLOPE THAN PRE MINING

Drainages will be constructed on each reclaimed segment to control surface water, erosion, and siltation? ☐ yes ☒ no
Clean runoff is directed to a safe outlet? ☐ yes ☒ no
If either yes, give details. If no, explain: SEGMENTS WILL HAVE GENTLER SLOPES, WITH WATER REMAINING ON SITE AND REVEGETATED

Are these shown on maps? NA ☐ yes ☐ no

The grade of ditches and channels will be constructed to limit erosion and siltation? ☐ yes ☒ no
If yes, give details. If no, explain: NO DRAINAGE TO BE CONSTRUCTED ALL RUNOFF TO REMAIN ON SITE

Natural-appearing drainage channels will be established upon reclamation? ☐ yes ☒ no
If yes, give details. If no, explain: ALL RUNOFF TO REMAIN ON SITE

26. SITE CLEANUP AND PREPARATION FOR REVEGETATION

26A. Dealing with Hazardous Materials

Hazardous materials are present at the mine site? ☐ yes ☒ no
If no, go to Section 25B

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? ☒ yes ☐ no
All sheds, scale houses, and other structures will be removed from the site? ☒ yes ☐ no
If either answer is yes, give details. If no, explain: ALL DEBRIS WILL BE REMOVED THERE WILL BE NO SHEDS ON SITE - SCALES AND OTHER EQUIPMENT WILL BE REMOVED FROM THE SITE.

27. REVEGETATION

The mine site is in: ☒ eastern Washington ☐ western Washington

The mine site is: ☐ wet ☒ dry?

CHECKLIST OF RECLAMATION STANDARDS

The average precipitation is 17" 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: WE WILL REVEGETATE GRASSES THE FIRST FALL FOLLOWING THE RESTORATION OF SLOPES

Test plots will be used to determine optimum vegetation plans? ☐ yes ☒ 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: WE WILL USE THE SEED MIX USED BY THE STATE AND COUNTY HIGHWAY DEPTS. BECAUSE THEY HAVE SHOWN RESULTS OF GROWING GRASSES

Documentation is attached? ☐ yes ☒ no

27A. Recommended Pioneer Species

In the Sections below, check the species that will be planted at your mine site:

** indicates nitrogen-fixing species*

Western Washington Dry Areas

☐ alfalfa* ☐ Lupine* ☐ clover* ☐ orchard grass
☐ cereal rye ☐ perennial rye ☐ colonial bent grass ☐ ponderosa pine
☐ creeping red fescue ☐ red alder* ☐ Douglas fir ☐ shore pine
☐ ground cover ☐ shrubs ☐ other

Western Washington Wet Areas

☐ birdsfoot trefoil ☐ sedges ☐ cedar ☐ tubers
☐ cottonwood ☐ wetland grasses ☐ creeping red fescue ☐ willow
☐ red alder* ☐ other

Eastern Washington Dry Areas

☐ alder* ☒ grasses ☐ alfalfa* ☐ juniper
☐ black locust ☐ lodgepole pine ☒ clover ☐ lupine*
☐ deciduous trees ☐ ponderosa pine ☐ shrubs ☐ deep-rooted ground cover
☐ diverse evergreens ☐ other

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):

APPROXIMATELY 15 LBS OF GRASS/CLOVER MIX WILL BE USED

Describe weed control plan:

WEED FREE SEED MIX WILL BE USED AND ALL COUNTY - STATE LAWS WILL BE FOLLOWED

27B. Planting Techniques

CHECKLIST OF RECLAMATION STANDARDS

Revegetation at this site will require:

Ripping and tilling?	☒ yes	☒ no
Blasting to create permeability?	☒ yes	☐ no
Mulching?	☐ yes	☒ no
Irrigation?	☐ yes	☒ no
Fertilization?	☒ yes	☐ no
Importation of clay- or humus-bearing soils?	☐ yes	☒ no
Other soil conditioners or amendments?	☐ yes	☒ no

Give details: RIPPING OR BLASTING THE QUARRY FLOOR MAY BE NECESSARY. TO CREATE PERMEABILITY. FERTILIZATION MAY BE NEED.

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: FINAL USE WILL BE RESIDENTAL IF TREES OR SHRUBS OTHER THAN THOSE NATURALLY OCCURING ARE NEEDED IN THE SETBACK AREA THEY WILL BE USED

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: NA NO TREES OR SHRUBS WILL BE PLANTED. NATURAL RE GENERATION WILL OCCUR

28. FINAL CHECKLIST

All required maps are attached (***See Instructions for detailed requirements***)?	☒ yes	☐ no
All required cross-sections are attached (***See Instructions for detailed requirements***)?	☒ yes	☐ no
Geologic map attached (if required)?	☒ yes	☐ 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?	☒ yes	☐ no
Have you completed the SM-6 and has it been signed by the local jurisdiction?	☒ yes	☐ no
Have you provided the SEPA checklist?	☒ yes	☐ no
Have you provided a copy of the SEPA Determination (DNS, MDNS, or DS)?	☐ yes	☐ no
Have you attached photographs?	☐ yes	☐ no
Are additional supplemental studies included? NA	☐ yes	☒ no

If yes, check the appropriate box(es) below:

☐ Archeological ☐ Geohydrologic ☐ Backfill ☐ Slope stability
☐ Topsoil ☐ Flood plain ☐ Conservational ☐ Vegetation
☐ Other

Other permits required? NA ☐ yes ☐ no

If yes, check the appropriate box(es) below:

☐ Shoreline permit ☐ Water Discharge Permit ☐ Solid Waste Permit
☐ Air Quality Permit ☐ NPDS or General Discharge Permit ☐ Hydraulic Project Approval
☐ Special or Conditional Use Permit ☐ Other

CHECKLIST OF RECLAMATION STANDARDS

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. *Signature of applicant or company representative* Steven P Smith	Name and Title of Company Representative (*Please print*) OWNER / PRESIDENT	Date signed 08/05/04

SURFACE OWNERSHIP (For New Permits Only)
Give names, addresses, and signatures of all individuals with possessory interest in land.
(attach signed copies of this page if more than one)
I verify that the applicant has my permission to mine from my land.
Signature of landowner(s) — *Date Signed*
Steven P Smith — 7-28-04

I hereby verify that I have seen and approved this plan.
Signature of landowner(s) — *Date Signed*
Deborah Smith — 7-28-04

OWERSHIP OF RIGHTS TO REMOVE MINERALS BY SURFACE MINING (For New Permits Only)
Give names, addresses, and signatures of all individuals with rights.
(attach signed copies of this page if more than one)
I verify that the applicant has my permission to mine this land.
Signature of rights owner(s) — *Date Signed*
Steven P Smith — 7/28/04
P.O BOX 2553
PRIEST RIVER ID. 83856

I hereby verify that I have seen and approved this plan.
Signature of rights owner(s) — *Date Signed*
Deborah Smith — 7/28/04
PO BOX 2553
PRIEST RIVER ID. 83856

FOR DEPARTMENTAL USE ONLY

Date accepted	Accepted by:	Title:	Reclamation Permit No.

Comments by Department:

RECEIVED
AUG 1 2004
Geology and Earth

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FOR DEPARTMENTAL USE ONLY

Date accepted	Accepted by:	Title:	Reclamation Permit No.

Comments by Departrment:

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WASHINGTON STATE DEPARTMENT OF
Natural Resources

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

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NAME OF COMPANY OR INDIVIDUAL APPLICANT(S)
Same as name of the exploration permit holder. *(Type or print in ink.)*

NEWPORT EQUIPMENT ENTERPRISES INC.

TOTAL ACREAGE AND DEPTH OF PERMIT AREA
(Include all acreage to be disturbed by mining, setbacks, and buffers, and associated activities during the life of the mine.) *(See SM-8A.)*

Total area disturbed will be 76.6 acres

Maximum vertical depth below pre-mining topographic grade is 120 feet

Maximum depth of excavated mine floor is 2310 feet relative to mean sea level

MAILING ADDRESS

P.O BOX 2553
PRIEST RIVER ID.
83856

Telephone 509-447-4688

COUNTY PEND OREILLE

No attachments will be accepted. Legal description of permit area:

1/4	1/4	Section	Township	Range
N 1/2	SE 1/4	32	31N	45E

Proposed subsequent use of site upon completion of reclamation

RESIDENTAL DEVELOPMENT

Signature of company representative or individual applicant(s): Steven P. Smith

Name and title of company representative *(please print)*: STEVEN P. SMITH

Date signed: 7/28/04

TO BE COMPLETED BY THE APPROPRIATE COUNTY OR MUNICIPALITY

Please answer the following questions 'yes' or 'no'.

	Yes	No
1. Has the proposed surface mine been approved under local zoning and land-use regulations?	X	
2. Is the proposed subsequent use of the land after reclamation consistent with the local land-use plan/designation?	X	

When complete, return this form to the appropriate Department of Natural Resources regional office.

Name of planning director or administrative official *(please print)*: JAMES J. MARTHALLER

Signature: James J. Marthaller

Title *(please print)*: PLANNING DIRECTOR

Address: PEND OREILLE COUNTY PUBLIC WORKS
P.O. BOX 5080
NEWPORT, WA. 99156

Telephone: 509-447-4821

Date: 7/28/04

FOR DEPARTMENT USE ONLY

DNR Reclamation Permit No.