



**King County
Building & Land Development Division**

Parks, Planning and Resources Department

3600 - 136th Place Southeast
Bellevue, Washington 98006-1400

** CONDITIONS OF PERMIT/APPROVAL **

DATE: 12/31/92

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Activity No: C92G051R TYPE: G-RENEW
Location: 32215 WILLIAM CARMICHAEL RD.

GRADING/MINING GENERAL COND'S

- 0005 - SITE SHALL BE OPERATED AT ALL TIMES IN CONFORMANCE WITH THE CONDITIONS OF DIVISION FILES #134-74-R, 007-80-SH, AND 122-86-R.
- 0030 - If work is to be suspended for 30 or more consecutive calendar days, permittee shall notify the Grading Section prior to the cessation of work indicating their intention to do so and also prior to restarting operations.
- 0051 - WORK SHALL BE LIMITED TO MINING WITHIN TAX PARCEL 2224079011 PER THE APPROVED PLANS ON FILE WITH THE GRADING SECTION DATED 2-2-83. WORK WITH TAX PARCELS 2224079010 & 2224079033 SHALL BE AUTHORIZED ONLY UPON APPROVAL OF REVISED PLANS TO BE SUBMITTED BY PERMITTEE.
- 0080 - All work shall comply with the provisions of King County Ordinance 3139, relating to noise control.
- 0096 - HOURS OF OPERATION SHALL BE LIMITED TO 7:00 A.M. TO 7:00 P.M. MONDAY THROUGH FRIDAY, EXCEPT THAT LOADING OF TRUCKS SHALL BE LIMITED TO 7:30 A.M. TO 4:00 P.M. SATURDAY HOURS ARE LIMITED TO 8:00 A.M. TO 4:30 P.M. FOR MAINTENANCE ONLY.
- 0120 - Permittee shall abide by the regulations of the Puget Sound Air Pollution Control Agency (PSAPCA).
- 0140 - You must call 1-800-424-5555 not less than 48 hours before beginning excavation where any underground utilities may be located. Failure to do so could mean bearing substantial repair costs (up to three times the cost of repairs to the service).
- 0160 - A Forest Practices Permit may be required by the Washington State Department of Natural Resources for clearing associated with this permit. Contact DNR at (206) 825-1631 for information.
- 0170 - A National Pollutant Discharge Elimination System (NPDES) permit for surface water discharge may be required for this project. Permittee should contact the Washington Department of Ecology Northwest Regional Office at (206) 867-7000 for information.
- 0500 - A copy of the approved plans must be on the job site whenever construction is in progress.



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- 0600 - No external signs shall be permitted except those authorized by the King County Zoning Code or as required by this permit.
- 1150 - The tops and the toes of cut and fill slopes shall be set back from property boundaries as far as necessary for safety of the adjacent properties and to prevent damage resulting from water runoff or slope erosion.
- 1160 - The tops and the toes of cut and fill slopes shall be set back from structures as far as is necessary for adequacy of foundation support and to prevent damage as a result of water runoff or slope erosion.
- 2010 - Approval of this erosion/sedimentation control (ESC) plan does not constitute an approval of permanent road or drainage design (e.g. size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).
- 2020 - The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the permittee until all construction is approved.
- 2030 - The boundaries of the clearing limits shown on this plan shall be clearly flagged in the field prior to construction. During the construction period, no disturbance beyond the flagged clearing limits shall be permitted. The flagging shall be maintained by the permittee for the duration of construction.
- 2040 - The ESC facilities shown on this plan must be constructed in conjunction with all clearing and grading activities, and in such a manner as to ensure that sediment-laden water does not enter the drainage system or violate applicable water standards. (KCC 9.04.020 AA, KCRS 7.09 D.)
- 2110 - Stabilized construction entrances and wash pads shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures may be required to ensure that all paved areas are kept clean for the duration of the project. (RCW 46.61.655.)
- 2130 - Where seeding for temporary erosion control is required, fast germinating grasses shall be applied at an appropriate rate (e.g. annual or perennial rye applied at approximately 80 pounds per acre).



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- 2140 - Where straw mulch for temporary erosion control is required, it shall be applied at a minimum thickness of 2 inches.
- 2160 - Temporary sediment control facilities shall be constructed in accordance with the details shown. Temporary sediment control facility locations may be moved to suit field conditions subject to approval of the engineer and applicable governmental agencies.
- 2170 - All ponds and ditches and other erosion-sedimentation facilities shall be maintained in good working condition throughout construction.
- 2190 - Grass seeding will be done using an approved hydro-seeder or as otherwise approved by BALD. The performance bond, if required, will not be released until the grass is established, unless otherwise approved by BALD.
- 2200 - The erosion and sedimentation control systems depicted on this drawing are intended to be minimum requirements to meet anticipated site conditions. As construction progresses and unexpected or seasonal conditions dictate, the permittee should anticipate that more siltation and sedimentation control facilities will be necessary to ensure complete siltation control on the proposed site. During the course of construction, it shall be the obligation and responsibility of the permittee to address any new conditions that may be created by his activities and to provide additional facilities over and above minimum requirements as may be needed to protect adjacent properties and water quality of the receiving drainage system.
- 4010 - Upon the exhaustion of minerals or materials or the permanent abandonment of the quarrying or mining operation, all buildings, structures, apparatus, or appurtenances accessory to the operation will be removed or otherwise dismantled to the satisfaction of the director.
- 4020 - All excavations must either be made to a water producing depth or backfilled and graded to allow natural drainage.
- 4050 - Excavations shall be reclaimed in a manner which will not allow water to collect and permit stagnant water to remain. Suitable drainage systems approved by the director shall be constructed or installed if natural drainage is not possible.



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- 4060 - Waste or spoil piles shall be leveled.
- 4110 - Excavations not made to a water-producing depth shall be graded or backfilled in a manner to encourage the uses permitted within the underlying zone classification. Specifically: a) Grading or backfilling shall be made with non-noxious, nonflammable, noncombustible solids; b) The peaks and depressions of the area shall be reduced to a gently rolling topography in substantial conformity to the land area immediately surrounding and which will minimize erosion.
- 4120 - Where mining is by open pit, bench, or quarry methods, reclamation shall be performed in the following manner: a) Slopes between successive benches shall not, in unconsolidated material, be steeper than 1 and 1/2 foot horizontal to 1 foot vertical, and shall be topsoiled and revegetated; b) Slopes between successive benches in consolidated material shall have no prescribed angle of slope, and no attempt need be made to resurface or plant; c) All slopes in consolidated material shall be scaled of loose rock per the requirements of MSHA; d) Bench width and spacing shall be as shown on the reclamation plan as may be amended by King County and the Washington State Department of Natural Resources.
- 5010 - Road access to sites developed for mining or quarrying of minerals or materials shall be controlled by means of a gate. A sign warning of hazardous conditions, if such exist, shall be affixed to the gate or placed in a conspicuous manner near the gate. If the property has an exterior boundary line which is a common property line with developed R or S classified property, then a solid wall or fence not less than 5 feet in height shall be installed and maintained. (KCC 21.42.030A.)
- 5020 - Mining and quarrying shall be permitted up to within 10 feet of any property line other than Q-M classified property provided all provisions herein set forth are complied with and provided further that such mining or quarrying does not impair lateral support or cause earth movements or erosion to extend beyond the exterior boundary lines of the property. Structures or buildings shall not be located closer than 100 feet to an R or S property line, except where the common property line is so situated as to cause an elevation difference of 50 feet or more within said 100-foot setback, and in such case the required 100-foot setback may be reduced by the amount the slope distance exceeds the horizontal distance but in no event shall the structures or buildings be located closer than 50 feet to said common property line. Office buildings, scale facilities, equipment storage buildings, and other similar buildings or structures and stockpiles shall be excepted from this provision but shall not be located closer than 20 feet to an R or



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S property line. (KCC 12.42.030B.)

5030 - All uses shall conform to the landscaping requirements set forth in KCC Chapter 21.51. (KCC 21.42.030C.)

5040 - Emission of smoke from any source other than heat processing equipment shall not exceed a percentage smoke density (average smoke emission) of 30% except when building a new fire or when due to breakdowns of a temporary nature. Said percentage smoke density shall be measured in conformance with the methods set forth in the United States Bureau of Mines publication Information Circular 7118 entitled, "Ringelmann Smoke Chart" edition of August, 1955. Continuous readings at appropriate time intervals of not less than 30 seconds shall be made, and in no event shall the average smoke emission be calculated for a duration of less than 60 minutes. (KCC 21.42.090.)

5050 - Blasting and all other activities shall be so conducted that ground vibrations measured next to structures or buildings situated on adjacent "R" or "S" property do not exceed the maximum amplitude of ground vibrations as related to frequencies of vibrations set forth in the following table: (KCC 21.47.100(A1.))

Table of Frequency - Amplitude Relations

| Frequency of Ground Motion in Cycles per Second | Maximum Amplitude of Ground Motion, in Inches |
|--|--|
| up to 10 | not more than 0.0305 |
| 20 | 0.0153 |
| 30 | 0.0102 |
| 40 | 0.0076 |
| 50 | 0.0061 |
| 60 | 0.0051 |

5060 - Where ground frequency and displacement characteristics in relation to known quantities of detonated explosives have been determined by instrumentation, using either an accelerometer or a seismograph, the allowable quantity of explosives used in relation to distance may be established by the formula:

$$\frac{2}{D^2} C K = 1$$

$$(50/D)^2 C K = 1$$

where D = Distance from the blast in feet

C = Quantity of explosive detonated instantaneously in pounds

K = Ground transmission constant

The energy ratio thus determined shall not exceed 1, and all measurements shall be taken at the most critical location. (KCC 21.42.100B.)



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5070 - When ground characteristics for any specific blasting location have been determined by instrumentation, special explosives quantity limits for that location may be approved by the King County engineer, if said limits are computed and certified by a qualified vibration measurement specialist. (KCC 21.42.100C.)

5080 - In the absence of approved methods of instrumentation to restrict vibration to the levels specified in the foregoing table, the quantity of explosives used in blasting shall not exceed the following:

Quantity-Distance Table

| Distance from the blast area to the nearest building, neither mine or quarry-owned, nor mine or quarry-leased in feet | Maximum quantity of explosives per shot for instantaneous firing or per delay for delay firing, in pounds |
|---|---|
|---|---|

Normal

Abnormal

overburden

overburden (1)

100 See Fn (2)

340 See Fn (3)

70 (See Fn (4))

200

420 See Fn (5)

78 (See Fn (6))

300

525

100

400

635

125

500

800

160

600

950

200

700

1175

245

800

1500

300

900

1830

360

1000

2250

430

1200

3500

610

1400

-

820

1600

-

1250

1800

-

1900

2000

-

3000

Footnote (1) Abnormal overburden is that which is unusually deep (more than 50 feet to bedrock), has a water table near the surface, or is so composed as to be spongy, flexible, or reverberant.

Footnote (2) 100 feet shall be the minimum allowable distance when approved missile protection methods are used.

Footnote (3) No more than 10 pounds of explosive material shall be placed in any single charge.

Footnote (4) No more than 5 pounds of explosive material shall be placed in any single charge.

Footnote (5) No more than 20 pounds of explosive material shall be placed in any single charge.

Footnote (6) No more than 8 pounds of explosive material shall be placed in any single charge.

(KCC 21.42.100D.)



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5090 - Mining and quarrying shall be conducted in a manner which will not allow water to collect and permit stagnant water to remain in excavations. (KCC 21.42.110.)

5100 - Maximum allowable daytime sound pressure levels as measured next to occupied buildings or structures situated on adjacent R or S property shall not exceed the following standards at least 90% of the time between the hours of 5:00 a.m. and 10:00 p.m.

Sound Pressure Levels

| Frequency band in cycles/second | Sound pressure level in decibels re 0.0002 microbar |
|------------------------------------|---|
| 25 - 300 | 80 |
| 300 - 2400 | 70 |
| Above 2400 | 60 |

Maximum allowable nighttime sound pressure levels as measured next to occupied buildings or structures situated on adjacent "R" or "S" property shall not exceed the following standards at least 90% of the time between the hours of 10:00 p.m. and 5:00 a.m.

Sound Pressure Levels

| Frequency band in cycles/second | Sound pressure level in decibels re 0.0002 microbar |
|------------------------------------|---|
| 25 - 300 | 70 |
| 300 - 2400 | 63 |
| Above 2400 | 55 |

Sound pressure levels shall be measured by a sound level meter and associated octave band filter manufactured according to standards prescribed by the American Standards Association. (KCC 21.42.050.)

5110 - Odors from gases or other odorous matter shall not be emitted in quantities as to be unreasonably offensive beyond the exterior property lines. (KCC 21.42.060.)

5120 - Toxic gases and matter shall not be emitted in quantities damaging to health, to animals, vegetation or property beyond the exterior property lines. (KCC 21.42.070.)

5130 - Dust, dirt, and fly ash or airborne solids from any source shall not be emitted in quantities as to adversely affect adjacent property. (KCC 21.42.080.)

5140 - No building or structure shall be located closer than 20 feet to property lines other than R or S zoned property or to a public right-of-way (KCC 21.42.160), except that if any such structure exceeds 45 feet in height, it should be set back from each property line 1 foot additional for each 1 foot it exceeds 45 feet.



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- 5160 - Fencing, where required by the director, to protect life, limb, and property shall be installed with lockable gates which must be closed and locked when not working the site. The fence must be no less than 5 feet in height, and the fence material shall have no horizontal opening larger than 2 inches.
- 7020 - During hauling operations, permittee shall provide effective dust control measures consisting of water, asphalt treated base, chemical dust palliatives, or equivalent measures to control dust from this operation.
- 7040 - Permittee shall be responsible for implementing all appropriate measures needed (i.e. paving, sweepers, and/or other techniques) to keep streets and roads used as haul routes for export or import of material clean and free from debris, mud, etc.