

019933

To D. Gregoire

cc. N. Cornish

From P. Nakai

R. Tolbert

Date February 1, 1982

Subject PIT WASTE ROCK FOR ABANDONMENT SCHEME II

A study has been finished on determining the volume of calc-silicate rock remaining in Zone 3 and Zone 1. Attached is a table containing the volumes by bench and section in cubic yards. The total volume remaining is 14,585,148.13 cubic yards located on Sections 118 to 130.

These calculations were based on pre-1981 sectional interpretation. The calc-silicate is located in the SW and NE ends of Zone 1 and 3.

The calc-silicate in the SW end of Zone 1 and 3 between Sections 121 and 130 appears to be the more desirable to extract since it is fairly consistent laterally and vertically and it contains no other rock types. The top benches, 3830-3950, between Sections 121 and 130 contain approximately 3.6 million cubic yards of calc-silicate, which would be sufficient for this plan.



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Mine Geologist

PN/mh

Attach.

S E C T I O N

| BENCH | <u>118</u> | <u>119</u> | <u>120</u> | <u>121</u> | <u>122</u> | <u>123</u> | <u>124</u> |
|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|
| 4070 | | | | | | | |
| 4030 | | | | | | | 159,729.63 |
| 3990 | | | | | 1,571.11 | 23,042.96 | 249,282.96 |
| 3950 | | | | 31,422.22 | 3,142.22 | 303,224.44 | 312,127.41 |
| 3910 | | 12,045.19 | 24,090.37 | 234,095.56 | 285,418.52 | 333,075.56 | 365,545.19 |
| 3870 | 46,085.93 | 71,747.41 | 133,544.44 | 228,858.52 | 240,903.70 | 247,188.15 | 290,655.56 |
| 3830 | 77,508.15 | 112,072.59 | 145,589.63 | 166,537.78 | 160,777.04 | 132,497.04 | 233,571.85 |
| 3790 | 63,891.85 | 109,454.07 | 113,643.70 | 119,404.44 | 65,462.96 | 42,420.00 | 141,923.70 |
| 3750 | 17,805.93 | 60,749.63 | 55,512.59 | 44,514.81 | 7,331.85 | 4,713.33 | 63,605.19 |
| 3710 | | 6,808.15 | 28,803.70 | 2,094.81 | | | 31,422.22 |
| 3670 | | | 18,853.33 | | | | 18,329.63 |
| 3630 | | | | | | | 523.70 |
| TOTAL CUBIC YARDS | <u>205,291.86</u> | <u>372,877.04</u> | <u>520,037.76</u> | <u>826,928.14</u> | <u>764,607.40</u> | <u>1,086,161.48</u> | <u>1,866,717.04</u> |

S E C T I O N

| <u>BENCH</u> | <u>125</u> | <u>126</u> | <u>127</u> | <u>128</u> | <u>129</u> | <u>130</u> | <u>TOTAL</u> |
|------------------------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|
| 4070 | 167,061.48 | 97,408.89 | 43,467.41 | | | | |
| 4030 | 202,673.33 | 179,106.67 | 135,639.26 | | 109,454.07 | 8,902.96 | |
| 3990 | 213,671.11 | 189,057.04 | 160,777.04 | 14,663.70 | 112,072.59 | 35,088.15 | |
| 3950 | 308,461.48 | 219,955.56 | 291,702.96 | 95,837.78 | 221,526.67 | 115,738.52 | 1,903,139.26 |
| 3910 | 397,491.11 | 344,597.04 | 323,125.19 | 224,145.19 | 260,280.74 | 153,968.89 | 2,921,742.99 |
| 3870 | 338,836.30 | 332,551.85 | 262,375.56 | 260,804.44 | 195,341.48 | 83,268.89 | 2,480,784.45 |
| 3830 | 316,317.04 | 274,944.44 | 243,522.22 | 211,576.30 | 122,022.96 | 17,282.22 | |
| 3790 | 234,619.26 | 225,192.59 | 217,860.74 | 163,919.26 | 85,887.41 | | |
| 3750 | 87,458.52 | 126,212.59 | 113,120.00 | 119,928.15 | 50,799.26 | | |
| 3710 | 28,803.70 | 36,659.26 | 54,988.89 | 52,894.07 | 19,900.74 | | |
| 3670 | 1,047.41 | 3,142.22 | 14,140.00 | 5,237.04 | 10,474.07 | | |
| 3630 | | | | | 523.70 | | |
| TOTAL CUBIC YARDS | 2,296,440.74 | 2,028,828.15 | 1,860,719.27 | 1,149,005.93 | 1,188,283.69 | 414,249.63 | |

14,580,148.13