Comments on Plateau
Resources Amendment for Impoundment

Areas of Disturbance for Plateau Mining.

Topsoil Stockpile -

$.030 \times 628{,}022.36 = 18{,}841$ sqft

$\frac{18{,}841 ft^2}{43{,}560} = \underline{\underline{.4325 \text{ acres.}}}$ 4

Existing Impoundment -

$.199 \times 628{,}022.36 = 124{,}976$ sqft

$\frac{124{,}976 ft^2}{43{,}560} = \underline{\underline{2.869 \text{ acres}}}$ 4

Proposed Impoundment Disturbed Area

$1.826 \times 628{,}022.36 = 1{,}146{,}768.8$ sqft

$\frac{1{,}146{,}768.8 ft^2}{43{,}560 \frac{ft^2}{acre}} = \underline{\underline{26.33 \text{ acres}}}$ 4

~24.8 surface water area.

$26.33 - 6.8 = 19.5^*$ surface area of water.

Borrow Area

$.7963 \times 628{,}022.36 = 500{,}094.20$ sqft

$\frac{500{,}094.20 ft^2}{43{,}560 \frac{ft^2}{acre}} = \underline{\underline{11.48 \text{ acres}}}$ 4

Watershed & Pond

$(1.4544 + .2864 + 1.826)628{,}022.36 = 2{,}240{,}029 ft^2$

~ $\underline{\underline{51.42^* \text{ acres}}}$

* includes dam (high) $\underline{\underline{\text{use 50 acres}}}$

Existing Pipeline - 2,875
700
3,575 ft × 10 ft = 35,750

$35{,}750 \times 10'$ = $\underline{\underline{.8207 \text{ acres}}}$ 4

New Pipeline & Road 2125' × 16' = 34,000

$\underline{\underline{.7805 \text{ acres}}}$ 4

Areas.

Factor for Planimeter = 628,022.36

Topsoil Stock Pile

Planimeter readings

0.026
0.057 } .031
0.090 } .033
0.123 } .033
0.154 } .031
.450

.030
.032

Pond. Dist Area

1.703 } 1.822
3.525 } 1.821
5.346 } 1.821
7.169 } 1.84
9.009
1.826

Old Impoundment

0.194
0.289 } .030
0.591 } .200
0.791 } .202
0.993

.1987

Borrow Area

0.769 } .790
1.568 } .794
2.362 } .793
3.155 } .799
3.954
.7963

N Watershed

1.465 } 1.470
2.935 } 1.419
4.414 } 1.446
5.860 } 1.472
7.332

1.4544

S Watershed

0.265
0.558 } 2.93
0.855 } 2.97
1.146 } 2.291
1.432 } .286

1.432
.2864

Existing Pipeline (Old Imp to Tank)

11.5 × 250 = 2875'

Existing Pipeline (Mine to Tank)

2.8 × 250 = 700'

Propose Pipeline & Road to Pond

8.5 × 250 = 2125