

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

OK

November 3, 2004

TO: Internal File

FROM: Stephen J. Demczak, Environmental Scientist III/Engineering, Team Lead *SGD by an*

RE: New Shop/Oil Storage Building, Savage Services Corporation, Savage Loadout, C/007/022, Task ID #2059

SUMMARY:

The permittee has requested to construct a new building to serve as a shop and an oil storage building. This will replace the existing oil storage trailers. This building would be in the current disturbed area. All topsoil and vegetation has been removed. There will be no changes to the hydrology requiring culverts or diversions. This area presently reports to the sediment pond.

Bonding for the additional structures will be minimal and is already covered in the contingency in the bond.

OPERATION PLAN

TOPSOIL AND SUBSOIL

Regulatory Reference: 30 CFR Sec. 817.22; R645-301-230.

Analysis:

Topsoil Removal and Storage

The area for construction is in the disturbed area and the topsoil has been removed.

Findings:

The permittee has met the minimum requirements of this section.

VEGETATION

Regulatory Reference: R645-301-330, -301-331, -301-332.

Analysis:

The area for construction is in the disturbed area and the vegetation has been removed.

Findings:

The permittee has met the minimum requirements of this section.

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Diversions: General

There will be no changes to the hydrology section. The Oil/Maintenance building will be in the existing disturbed area. No changes will be needed to diversions, culverts, or other hydrology structures. The runoff from this area is currently reports to a sediment pond.

Findings:

The permittee has met the minimum requirements of this section.

SUPPORT FACILITIES AND UTILITY INSTALLATIONS

Regulatory Reference: 30 CFR Sec. 784.30, 817.180, 817.181; R645-301-526.

Analysis:

The permittee has revised the Surface Facilities Map Drawing 3-2. This map shows the location of the Oil/Maintenance building.

TECHNICAL MEMO

Findings:

The permittee has met the minimum requirements of this section.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Analysis:

Mining Facilities Maps

The permittee has updated the Facilities Map 3-2 showing the location of the Oil/Maintenance building. This map is P.E. certified.

Certification Requirements

The permittee has P.E. certified Drawing 3-2.

Findings:

The permittee has met the minimum requirements of this section.

RECLAMATION PLAN

GENERAL REQUIREMENTS

Regulatory Reference: PL 95-87 Sec. 515 and 516; 30 CFR Sec. 784.13, 784.14, 784.15, 784.16, 784.17, 784.18, 784.19, 784.20, 784.21, 784.22, 784.23, 784.24, 784.25, 784.26; R645-301-231, -301-233, -301-322, -301-323, -301-331, -301-333, -301-341, -301-342, -301-411, -301-412, -301-422, -301-512, -301-513, -301-521, -301-522, -301-525, -301-526, -301-527, -301-528, -301-529, -301-531, -301-533, -301-534, -301-536, -301-537, -301-542, -301-623, -301-624, -301-625, -301-626, -301-631, -301-632, -301-731, -301-723, -301-724, -301-725, -301-726, -301-728, -301-729, -301-731, -301-732, -301-733, -301-746, -301-764, -301-830.

Analysis:

The reclamation of Oil/Maintenance building is to remove the steel structure and break-up the concrete. The concrete will be placed into sediment pond #5 upon final reclamation. The permittee can dispose of concrete on the site.

There will be little or no change to the existing ground contour.

Findings:

The permittee has met the minimum requirements of this section.

BONDING AND INSURANCE REQUIREMENTS

Regulatory Reference: 30 CFR Sec. 800; R645-301-800, ET seq.

Analysis:

Determination of Bond Amount

The total projected cost for the Oil/Maintenance building is \$18,091.88. The Savage Coal Terminal is presently bonded for a total of \$2,525,000. Included in the bond is a contingency of \$126,000. The amendment will account for 14.3% of the contingency. Therefore, the permittee has sufficient amount of bond to cover the cost of reclamation for this project.

Findings:

The permittee has met the minimum requirements of this section.

RECOMMENDATIONS:

The permittee has met the minimum requirements and is recommended for approval.