

0012



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

April 24, 2001

TO: **Internal File**

THRU: Susan M. White, Team Lead *SMW*

FROM: Wayne H. Western, Senior Reclamation Specialist *WHW*

RE: Silo Demolition, Plateau Mining Corporation, Star Point Mine, C/007/006-AM01B

## SUMMARY:

On March 22, 2001, the Division received an amendment to expand the disturbed area at the Starpoint Mine. The permittee requested the expansion in order to dig a trench that would be used to dispose of the concrete rubble from the silo demolition. The Division reviewed the amendment and found the information to be adequate.

## TECHNICAL ANALYSIS:

## **OPERATION PLAN**

## **SPOIL AND WASTE MATERIALS**

Regulatory Reference: 30 CFR Sec. 701.5, 784.19, 784.25, 817.71, 817.72, 817.73, 817.74, 817.81, 817.83, 817.84, 817.87, 817.89; R645-100-200, -301-210, -301-211, -301-212, -301-412, -301-512, -301-513, -301-514, -301-521, -301-526, -301-528, -301-535, -301-536, -301-542, -301-553, -301-745, -301-746, -301-747.

### **Analysis:**

#### **Disposal of noncoal waste**

Concrete debris has been considered by the Division to be inert material that can be used as backfill and not noncoal waste. The Division usually does not require concrete debris to be placed in noncoal waste disposal area because the material is (1) not flammable, (2) non-acid and non-toxic forming and (3) does not product leachate. Therefore, the Division does not consider the silo trench to be a noncoal waste site.

---

---

TECHNICAL MEMO

---

---

**Findings:**

The requirements of this section of the regulations are considered adequate in regard to the proposed permit change for the addition of the disturbed area needed for the silo demolition.

**USE OF EXPLOSIVES**

Regulatory Reference: 30 CFR Sec. 817.61, 817.62, 817.64, 817.66, 817.67, 817.68; R645-301-524.

**Analysis:**

The addition to the disturbed area does not involve explosives. However, the Division must approve the blasting plan prior to the silo demolition.

**Findings:**

The requirements of this section of the regulations are considered adequate in regard to the proposed permit change for the addition of the disturbed area needed for the silo demolition.

**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**

Map 542.200c, Reclamation Topography Sheet 3, shows the pre and post mining contours.

**Findings:**

The requirements of this section of the regulations are considered adequate in regard to the proposed permit change for the addition of the disturbed area needed for the silo demolition.

**RECLAMATION PLAN**

**MAPS, PLANS, AND CROSS SECTIONS OF RECLAMATION OPERATIONS**

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

**Analysis:**

**Bonded area map**

The Division usually considers that the bonded area is equal to the disturbed area. The permittee does not have one map that shows the entire disturbed area map. They do show the disturbed areas on several maps. Map 321.100h, Disturbed Area Map Sheet 3, shows the proposed change to the disturbed area.

**Final surface configuration maps**

Map 542.200c, Reclamation Topography Sheet 3, shows the pre and post mining contours.

**Findings:**

The requirements of this section of the regulations are considered adequate in regard to the proposed permit change for the addition of the disturbed area needed for the silo demolition.

**BONDING AND INSURANCE REQUIREMENTS**

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

**Analysis:**

**Determination of bond amount**

The demolition cost for the silo has already been included in the bond. The current estimate for the silo's demolition is \$340,238. The demolition cost includes conservative estimates for on site disposal of concrete debris.

**Findings:**

The requirements of this section of the regulations are considered adequate in regard to the proposed permit change for the addition of the disturbed area needed for the silo demolition.

**RECOMMENDATIONS:**

The Division should approve the amendment.