

## AML EMERGENCY INVESTIGATION

**Type of Problem:** Subsidence  
**Reported by:** Dave Ripley  
**Address:** Western Plains Consulting, Box 1402, Bismarck, ND  
**Telephone:** 701-221-3113  
**Date Complaint Received:** May 26 and June 6, 2006  
**Person Notified of Complaint:** Bill Dodd - AML Division  
**Address of Complaint:**  
**City:** Garrison  
**County:** McLean  
**State:** North Dakota

### SITE INVESTIGATION

**Date:** June 7 and 9, 2006  
**Time:** 10:30 A.M on 7<sup>th</sup>, 1:30 PM on 9<sup>th</sup>.  
**Name of State Investigators:** Bruce Beechie, Bill Dodd, AML Division  
**OSM Representative(s) Present:** None  
**Others Present:** Dave Ripley

**Name of others contacted (Local, State, Federal, Insurance Agencies, Utilities, etc.):**  
Alan Boehms - OSM, was contacted on June 9, 2006

### LOCATION OF SITES

#### **Directions of locations (Describe Route):**

Hazardous sinkholes are located in Sections 17 and 18, T148N, R84W, immediately south of the city of Garrison, North Dakota (see map).

**USGS Quadrangle Name:** Garrison, N. Dakota

Coordinates: 47.64400N, 101.41900W (Mautz) property  
47.63981N, 101.42236W (Folden) property

### MINE INFORMATION

**Mined by:** Rupp Mine and Kunkel Mine  
**Duration of Mining:** **From** 1920 **Until:** 1926 (Rupp)  
**From** 1912 **Until:** 1924 (Kunkel)  
**Type of Mining:** Underground, room and pillar  
**Seam Name:** unknown **Thickness of Seam:** 5-8 feet

## **CONTINUING RECLAMATION RESPONSIBILITY**

**Permitted Operation:** No    **Permit Number(s):** N/A  
**Bond Status:** Returned, Forfeited, Available    N/A  
**Amount:** N/A  
**Date:** N/A

## **PRESENT OWNER(S)**

**Surface Owner's Name:** David Mautz  
**Address:** 1743 38<sup>th</sup> Ave NW  
**City:** Garrison  
**State:** North Dakota  
**Zip Code:** 58540  
**Telephone:** (701) 337-5544

**Surface Owner's Name:** Dean Folden  
**Address:** PO 837  
**City:** Garrison  
**State:** North Dakota  
**Zip Code:** 58540  
**Telephone:** (701) 463-2093

**Were the Property Owners Involved in the Mining:** No  
**If yes, explain:** N/A

**Date Property Acquired by Owner:** varied  
**If Potential Subsidence, Do Owners Have Insurance:** No  
**If yes,**  
**Agency:**  
**Agent:**  
**Address:**  
**Phone Number:**  
**Mineral Owner's Name:** Unknown

## **AFFECTED PARTIES**

Present owners, the general public and anyone using this property

## **SITE INFORMATION**

**Date that problem began or was first noticed:**  
The Folden sinkhole was reported May 26 and the Mautz sinkhole was reported June 6, 2006  
**Is there any active mining or related activities in or around the area:** YES  
Several surface mines are located within 50 miles but have no effect on this site

**Name of Operator(s):**

Falkirk Mining Company, Coteau Properties Co., Dakota Westmoreland Mining Corp.

**Nature of problem:**

**Source of problem:**

**Void, Shafts, Slope, Entries, etc.**

Underground Mine

**Potentially Affecting:**

<b>Persons</b>	Estimated Number	10+
<b>Housing</b>		none
<b>Building</b>		none

**Estimated acres affected:** 1

**PROBLEM DESCRIPTION**

**Describe the problem (Detail: size, shape: Is problem spreading, expanding: first noticed, etc.**

On May 26, 2006 Dean Folden reported a sinkhole on his property approximately 100 feet south of South Garrison Addition. This sinkhole was inspected on the same day and found to be approximately 12 feet in diameter and 4 feet deep. On June 6, 2006, Dave Ripley, an employee of Western Plains Consulting reported a sinkhole on property owned by David Mautz located about 500' south of a Tesoro gas station in Garrison. Both of these sinkholes are near residential and commercial properties and represent a serious hazard to the public.

**OTHER INFORMATION**

**Describe any other information available and its location (i.e., maps, inspections, reports, etc.)**

Mine specific information and mine maps of underground mines near Garrison are available at the North Dakota State Historical Library and are on file with the AML Division. Several previous reclamation projects have been conducted at this site.

**ELIGIBILITY**

**Declaration of eligibility from State:**

**Name:** William W. Binek, Chief Counsel

**Address:** Public Service Commission, State Capitol

**City:** Bismarck

**State:** North Dakota

**Zip Code:** 58505-0480

**Telephone:** (701) 328-2400

Oral Date

**Written X**

**Date** June 9. 2006

**Eligible: YES X (an eligible site must be mine related, abandoned with inadequate reclamation prior to August 3, 1977, and no continuing reclamation responsibility.)**

**REMARKS**

The North Dakota SHPO has been contacted concerning potential cultural or historical resources.

**ADDED VALUE**

It is doubtful that reclamation of this sinkhole will add significant value to the property. However, remedial action to eliminate the hazards will be a help to the property owners. Eliminating the hazard will increase the safety to users of the properties as the sinkholes are located near residential, agricultural and wildlife areas.

**Investigator:** William E. Dodd      **Signature:** \_\_\_\_\_  
**Address:** State Capitol  
**City:** Bismarck  
**State:** North Dakota  
**Zip code:** 58505-0480  
**Telephone** (701) 328-4101

**Project Title:** 2006 Garrison Emergency  
**Number:** AM-526-06

**PROPOSED REMEDIAL ACTION:**

- Remove all available topsoil from around the sinkholes
- Excavate the sinkholes with a backhoe
- Fill the excavated sinkholes with fill dirt and compact to the best extent possible
- Regrade the areas to re-establish drainage
- Respread topsoil over the areas
- Reseed the disturbed areas

**ESTIMATED COST**            \$4000