



MEMORANDUM

Date: September 11, 2007

To: The Land Reclamation Commission

From: Mike Larsen, Chief; Projects and Inspection Unit (*original signed by Mike Larsen*)

Subject: Coal Mine Bond Forfeiture Status Update

Since the last update provided to the commission on July 26, 2007, the bond forfeiture staff has been working on several bond forfeited sites across the state. A summary of the work is outlined below for the commission's information.

Bill's Coal Company – Fort Scott Mine – Vernon county

As of the date of this memo final repairs have been completed on the last 125 acre property of this former coal mine site. Erosion repairs, surface storm water management structure upgrades and touch up seeding have all been completed. This last remaining property will be presented to the commission with a recommendation for release during the November, 2007 meeting of the commission. If approved by the commission that will conclude all remaining reclamation to be performed by the program at this former coal mine site.

Burbridge Coal Co. – Monroe county

Erosion repairs on the last 10 acre permit area at this former coal mine site have been completed. This is permit #1986-03 and is the last permit area to effect repairs upon. The repairs entailed the stabilization of a gully which had formed in the years since this permit was revoked by the commission and the bonds ordered forfeit. A request for a final responsibility release will be presented to the commission later today in a separate agenda item.

Missouri Mining, Inc. – Mines #5 and #12 – Putnam county

The landowner at both of these former mine sites has recently herbicided a large amount of acreage at both of the former mines in order to kill the pasture grasses established over the years. The purpose of doing this was to clear the land for planting to soybeans. Consequently the program cannot now be held responsible for ensuring that the lands are properly protected from erosion and soil loss.

In response to this landowner activity, the program has measured the acreage affected by the herbicide and soybean plantings through Global Positioning System technology at both Mine #5

and Mine #12. These areas will be presented for a full responsibility release before the commission at the meeting to be held in November, 2007.

The program has completed repair work at Mine #12 on a serious erosion issue. A situation did exist where an embankment had been overtopped by stormwater and had caused a significant loss of material onto adjacent lands. This embankment was repaired during the month of August, 2007 and a new flow pipe was installed in the embankment which will now safely and properly pass storm water runoff without overtopping of the embankment. This was considered to be an "Off-Site Impact" and has now been repaired with proper construction and properly sized culvert installation.

Universal Coal and Energy Co., Inc. – Mine #4 (Multiple permits) – Howard county

Repair work has been completed at the site of an old haulroad crossing over Moniteau Creek adjacent to this former mine site. This situation was also considered to be an "Off-Site Impact". The work involved the relocation of several large boulders in Moniteau Creek at the site of the old crossing. When in operation, the company constructed a haulroad crossing over this creek and when the crossing was removed, the boulders were left in place. The boulders created a situation where stream flow was being diverted from the main channel against the west bank of the creek causing a limited amount of erosion and instability of the bank at this location. The completed work involved the relocation of the boulders against the toe of the west bank and then the bank was sloped and armored with a blanket of rip-rap for protection from erosion and for stream bank stability.

Universal's mine #4 is expected to receive more maintenance this fall in the form of minor erosion repair, soil replacement where needed and additional seeding. The majority of this large mine is planned for a final responsibility release presentation to the commission prior to the end of this calendar year or in the early portion of 2008.