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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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ok

January 30, 2002

TO: Internal File

THRU: Peter Hess, Senior Reclamation Specialist \ Inspector *sm for PIH*

FROM: Gregg Galecki, Reclamation Specialist \ Hydrologist *AG*

RE: Response to Citizen Complaint, Lodestar Energy, Inc., White Oak/Whiskey Creek Mine, C/007001

The following addresses the 'Issues and Concerns' cited in a Citizen Complaint received at the Division on January 28, 2002. Addressed specifically are the concerns cited in paragraph #4, first page, 'the ability to protect and maintain the quality of the water being discharged from seeps and springs'.

- There are no seeps or springs that regularly discharge in the area designated for surface mining. The geology generally dips away from the surface and towards the mine workings, which also reduces the likelihood of springs or seeps emanating from the area of surface mining.
- The material/rock to be disturbed during surface mining has been tested for its Acid/Toxic potential, and any potentially toxic units have been identified. The disturbed areas will also be tested on a regular basis to ensure water quality is maintained.
- All water entering the area disturbed by surface mining will be treated prior to discharging into Whiskey Creek. Sediment Ponds Dugout D-1 and Pond 004A have the design capacity to store runoff for the entire surface disturbance area, even though contemporaneous reclamation is planned and the entire area should not be disturbed all at once. The designs of the Ponds were based on a 10-year, 24-hour storm event. To demonstrate the capacity of the sediment ponds, SEDCAD 4.0 was used (with the appropriate variables; acreage, weighted curve numbers, and designed storm event).

INTERNAL MEMO

- Pond Dugout D-1 has a stability factor of 2.8, which exceeds the 1.3 minimum requirement. Since the pond is incised, the Permittee should be able to keep the pond stable during construction. The pond has a safety factor of 7.02 against sudden draw down, and will be subject to inspections by a qualified individual on a quarterly basis and by a registered professional engineer on a quarterly basis.

To my knowledge, the above-cited comments should answer the questions raised in paragraph 4 of the Citizen Complaint.