

0007

file INA/015/002
cc. H. Sandberg

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

September 29, 1987

SEP 29 1987

DIVISION OF OIL
& GAS

Mr. John Whitehead
Reclamation Hydrologist & Permit Supervisor
DIVISION OF OIL, GAS, AND MINING
3 Triad Center, #350
Salt Lake City, Ut. 84180-1203

Re: J. B. King Mine; INA/015-002, #2 & #4
P.E. Certification of Sedimentation
Pond

Dear Mr. Whitehead:

According to Mr. Charles Williams, Western States Minerals Corporation, questions have arisen regarding the certification of the J. B. King Mine sedimentation pond installed in September, 1985. The following discussion, and attached items, have been prepared to remedy this problem.

As you will recall, Coal Systems developed the MRP for the J. B. King Mine reclamation in behalf of Western State Minerals Corporation. The application was approved August 9, 1985. Coal Systems then managed the reclamation during the fall of that year.

The sedimentation pond design was the subject of considerable discussion; final agreed-upon design called for a 5 acre-foot pond which would contain sediment and run-off of a 10 year 24 hour event. (See attached letter July 19, 1985, Department of Health - construction permit; other details and supporting documentation are contained in the MRP). The pond was to be created by excavation below grade level with no above grade berms.

The pond and spillway was installed in September, 1985 according to all design parameters except that the bowl of the pond was excavated somewhat wider and deeper than was required to meet minimum storage requirements. This additional excavation was done because this particular site afforded additional substitute top-soil. As you will recall, obtaining sufficient topsoil to meet requirements (4 foot cover over refuse pile, etc.) was a major problem. As can be noted in the letter to Mr. Donald Nelson, September 30, the pond was essentially certified by L. G. Manwaring in that "...confirms satisfactory compliance with the MRP permit".

Later monitoring inspections of the mine-site also mention that "the sediment control structures were inspected. found to be in good condition...". Monthly monitoring was conducted by Coal Systems through July 1986 at which time Western States Minerals assumed the task.



Mr. J. Whitehead
September 29, 1987
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In order to assure Western States Minerals compliance with Regulation UMC 817.46, I, L. G. Manwaring do certify that the sedimentation pond was designed and inspected during and immediately after construction under my supervision and found to be satisfactory. Relative to UMC 817.49, Item 1) annual inspections will be made, Item 2) will be complied with during annual inspection, Item 3) exceeds minimum storage requirements by \approx 50%, Item 4) no fires occurred during construction, Item 5) none.

Much additional supporting information regarding the pond design and construction can be found in the MRP. I hope the above history and statement are satisfactory and will resolve this problem.

Sincerely,

COAL SYSTEMS, Inc.

Lewis G. Manwaring
L. G. Manwaring, P.E.
President



LGM/bm

Attachments: Supporting Documents

- o July 19, 1985 Department of Health - Construction Permit
- o Sept. 30, 1985 Letter to D. Nelson re construction compliance
- o Dec. 30, 1985 Report to J. Whitehead re Post-Reclamation Monitoring

cc: Mr. C. Williams, Western States Minerals Corp.



STATE OF UTAH
DEPARTMENT OF HEALTH

NORMAN H. BANGERTER, GOVERNOR

SUZANNE DANDROY, M.D., M.P.H., EXECUTIVE DIRECTOR

July 19, 1985

L.G. Manwaring
Coal Systems, Inc.
P. O. Box 17117
Salt Lake City, UT 84117

Re: ~~Construction~~ Permit
J. B. King Mine
Sediment Pond

Dear Mr. Manwaring:

We have reviewed the plans and information for the proposed Western States Minerals J. B. King coal mine sediment pond. Map 4050-5-14R and information submitted May 1, May 28 and June 28, 1985 were reviewed.

As a result of our review, it has been determined that the sediment pond for the reclamation period basically conforms with the State Wastewater Disposal Regulations. This letter constitutes a construction permit for this pond.

The 5 acre-foot pond is designed to contain the sediment and runoff of a 10-year 24-hour storm event. The pond is to be excavated to a depth of 10 feet with slopes of approximately 2 horizontal to 1 vertical. The embankment is to have a 20 foot crest width and 10 foot wide spillway.

The effluent quality from the pond should be reported at least quarterly to this office as required in the existing NPDES permit for this facility.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE

Jay B. Pitkin
Calvin K. Sudweeks
Executive Secretary

cc: Southeastern Dist. Health Dept
Oil, Gas & Mining - John Whitehead
SRM:pa
256

KENNETH L. ALKEMA, DIRECTOR • DIVISION OF ENVIRONMENTAL HEALTH

NPDES permit cancelled 11/15/85 - d.l.l. letter P. J. Goddard - D. Wolford in NPDES permit file

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4300

September 30, 1985

Mr. Donald W. Nelson
S. J. GROVES & SONS COMPANY
P. O. Box 105073
Atlanta, GA 30341

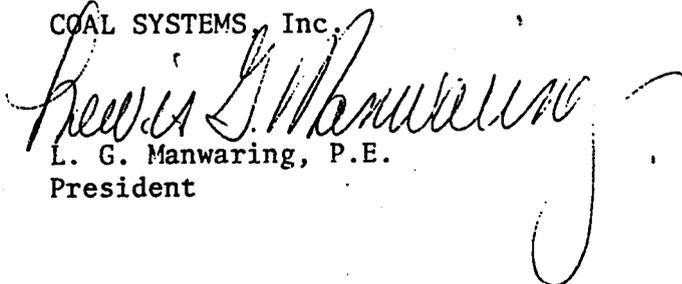
Re: Grading Contract Design
Compliance
J. B. King Mine

Dear Mr. Nelson:

An inspection of the grading work recently concluded at the J. B. King Mine confirms satisfactory compliance with the MRP Permit design. This includes three hours of D-6 work conducted September 30 under my direction for the purpose of improving final surface grading and finishing in the areas of the sedimentation pond, topsoil pile, borrow pit ditch, and the refuse pile diversion ditch.

Sincerely,

COAL SYSTEMS, Inc.


L. G. Manwaring, P.E.
President

LGM/bm

cc: Mr. J. Whitehead, Permit Supervisor, DOGM



COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

December 31, 1985

Mr. John Whitehead
Reclamation Hydrologist & Permit Supervisor
DIVISION OF OIL, GAS & MINING
3 Triad Center, #350
Salt Lake City, Ut. 84180-1203

Re: Post Reclamation Monitoring
J. B. King Mine
Permit No. INA-015-002

Dear Mr. Whitehead:

In accordance with the schedule outlined in the approved permit, the monthly monitoring inspection for December was conducted on December 27, 1985. L. G. Manwaring of Coal Systems, Inc. performed all the monitoring activities. This letter is intended to inform you of this inspection, and relay the conclusions and observations made.

All appropriate signs and markers were found to be in place and in good condition.

An inspection was made of the many hydrologic structures found on the site. This included an inspection of the sediment pond and borrow pit ditch and feeder ditches. Also, all the sediment control structures were inspected. All these structures were found to be in condition and functional. Some snowfall remained in a few areas, but the majority has melted. No real evidence of this snow melt can be seen in the borrow pit ditch or the sediment control structures. All structures are still in a 'new' condition. *good*

All embankments and backfilled slopes were inspected and found to be sound.

In general, the site looked good and is in compliance with the overall goals. No disturbance to the hydrologic balance within the reclaimed site and associated off-site areas was observed. The reclamation plan is working well and should cause no adverse impacts on wildlife in the area.

Should you have any questions, or desire further detail in some area, please give us a call.

Sincerely,

COAL SYSTEMS, Inc.

L. G. Manwaring
L. G. Manwaring, P.E.
President

LGM/bm

cc: J. F. Carmody, J. Danio, Western States Minerals Corp.
Wheatridge, CO

