

Appendix 3-9

Waste Removal Plans



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

3-9
Waste Removal Plans
Feb. 10, 1988

Norman H. Bangert, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 24, 1985

CERTIFIED RETURN RECEIPT REQUESTED
(P402 457 249)

Mr. Charles Gent
Genwal Coal Company, Inc.
P. O. Box 1201
Huntington, Utah 84528

Dear Mr. Gent:

Re: Approval of Abatement Plans for Notice of Violation
N85-4-12-3, #3 of 3, Noncoal Waste Disposal Plan, Crandall
Canyon Mine, ACT/015/032, #3, 7, Emery County, Utah

The Division has completed its review of Genwal's latest (letter dated September 30, 1985) revised abatement plans for the violation noted above. The operator has adequately addressed the conditions as outlined in the Division's September 23, 1985 letter. The following is provided for clarification and resolution to this abatement action:

4. This condition specifically excludes sediment pond materials from offsite disposal to landfills.
6. This condition requires the operator to specify plans for temporary storage and permanent onsite disposal for sediments excavated from the sedimentation pond.

The operator has presented plans for the dewatering and temporary storage of the excavated sediments onsite. The plan for transport and ultimate disposal offsite at the Sinbad landfill is proposed for permanent disposal of the excavated sediments.

Sediments excavated from a pond commonly contain various types of waste material. These materials may include excess spoils and/or coal processing waste. This category of material must be disposed of within the permit area in accordance with UMC 817.71.

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Mr. Charles Gent
ACT/015/032
October 24, 1985

Once mixed in the pond, it becomes quite difficult to identify and separate the specific percentage of natural sediments versus coal waste/spoils and other material. The Division is in the process of developing a standard policy which will be applicable to all coal mines seeking to dispose of pond sediments and future requests to clean sediments from the Crandall Canyon pond will be reviewed against this policy.

In the interim, Genwal's proposed plan for the dewatering, sampling and laboratory analysis of the sediments to determine toxicity and/or acidity before disposal at the approved Sinbad landfill site is approvable. Disposal must be in accordance with the requirements of the Department of State Health's September 5 letter. The Division must receive copies of all laboratory analyses of representative sediment samples and approve of the results prior to disposal at the landfill site.

Unless the operator notifies this office to the contrary, we will assume that Genwal concurs with these requirements. Should questions remain regarding the content or requirements described above, please call.

Sincerely,

Lowell Braxton for

D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

PERMITTING CHRONOLOGY:

- | | |
|------------------------|-----------------------|
| A. Operator Submittals | B. DOGM Responses |
| 1. August 20, 1985 | 1. September 20, 1985 |
| 2. October 3, 1985 | 2. October 24, 1985 |

DWH:dwh

cc: Allen Klein
Reeo Christensen
Dale Parker
Lowell Braxton

Randy Harden
Susan Linner
Joe Helfrich

8992R-75-76

Wayne

GENWAL COAL COMPANY

P.O. Box 1201 • Huntington, Utah 84528
Telephone (801) 687-9813

September 30, 1985

Mr. Wayne Hedburg
Department of Natural Resources
Division of Oil, Gas and Mining
355 W. North Temple
3 Triad
Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

OCT 03 1985

DIVISION OF OIL
GAS & MINING

Re: Abatement NOV N85-4-12-3, #3 of 3.

Dear Mr. Hedburg,

In response to your letter dated September 25, 1985, I would like to respond to concerns as stated in your letter;

1. I have requested that the Department of Health send you a letter stating the permit number and permit term of the Sinbad Landfill. Sinbad Landfill received their approval through a letter dated July 7, 1985 and the permit term is open ended. Please find enclosed the letter we have received from the Department of Health with the conditions for depositing coal mine waste. Mr. Kent Montague has also stated in a phone conversation that this landfill has been approved to accept wastes normally developed at a mine.

2. The Sinbad landfill is located in Emery County Utah, proceed 2.5 miles west on SR 29 from the intersection of SR 10 and 29, turn right and proceed 2.6 miles North on the Des Bee Dove Mine road, turn right and proceed .6 miles Northeast to the landfill. The Sinbad landfill is approximately .3 miles past the county landfill.

3. Genwal Coal Company will not take the responsibility of management of the landfill, we feel this is the responsibility of the permittee. Genwal Coal Company is not a landfill operator and will not monitor the activities at the landfill. However Genwal Coal Company will not deposit material in this approved landfill when we have been advised or have knowledge that this landfill is not being operated in accordance with the State permit.

4. As stated in the letter from the Department of Health, Genwal Coal Company will comply with the requirement to dewater the sediment pond sludge prior to hauling this to the landfill. Genwal will also sample this material while removing it from the pond and have it analyzed for toxicity and acidity prior to removal from the mine site and depositing in the Sinbad Landfill. No toxic, or hazardous materials, or liquids will be removed from the minesite and deposited at the Sinbad Landfill. Genwal will contact the Department of Health for proper disposal of these materials and comply with their guidelines.

5. Noncoal waste is deposited in a dumpster located at the west end of the property. A controlled piled of scrap metal is also maintained next to the dumpster for future sale to a scrap metal dealer. When the dumpster is full it is loaded on a truck and dumped at an approved landfill and then returned to the minesite.

6. The sediment pond will be cleaned using the following method:

- a. The pond will be dewatered by excavating the sediment in a corner of the pond (during a period of low water level), water will then be pumped from this hole into the mine's underground sump. This pumping will only be done when practical.
- b. As the sediment dries it will be removed and stored on the pad just west of the coal stockpile until dry enough for removal to the Sinbad Landfill. All runoff or residual moisture from the sediment will be directed back to the sediment pond. Sediment that is excessively wet may be stored in a corner of the pond until it is transported to the stockpile pad area.

In regard to your statement on the dust content of material in the intake and return, Genwal Coal Company mines coal rock to rock, unlike many mines in the area, and will have no problems meeting this criteria set by MSHA. Disposal of Underground Development Waste, when not disposed of on pillar lines, will be treated with rock dust to insure compliance with dust specs.

If you have any further questions or comments please feel free to contact me at 637-7383. Thank you for your time and consideration.

Sincerely yours,

Charles H. Gent, Jr.

Charles H. Gent Jr.
Vice President

enc.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

3-9
Feb. 10, 1988

Wayne
JHW ✓

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 23, 1985

CERTIFIED RETURN RECEIPT REQUESTED
(P592-429-564)

Mr. Charles Gent
Genwal Coal Company, Inc.
P. O. Box 1201
Huntington, Utah 84528

Dear Mr. Gent:

Re: Abatement Plans for Notice of Violation N85-4-12-3, #3 of
3, Noncoal Waste Disposal Plan, Crandall Canyon Mine,
ACT/015/032, #3, Emery County, Utah

The application for the Mining and Reclamation Plan (MRP) amendment concerning the noncoal waste disposal plan has been reviewed by the Division. Several conditions must be addressed by the company before approval for the plan can be granted by the Division:

1. There should be a letter from the State Department of Health, providing the permit number for the landfill, the permit term and any conditions that the State Department of Health has concerning disposal of noncoal mine waste in the landfill.
2. A general description (or map) of the location of the Sinbad landfill site must be provided.
3. The landfill must be an approved sanitary landfill and operation of the landfill must be in accordance with all local, state and federal requirements as addressed under UMC 817.89(b). The operator must provide a commitment to comply with these requirements, and shall not dispose of noncoal wastes in the landfill when or if the landfill is not operating under the approval of these agencies.

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Mr. Charles Gent
ACT/015/032
September 23, 1985

4. The operator shall not dispose of coal spoils, mine development waste, sedimentation pond materials, PCB's, liquids, hazardous or toxic wastes, or any other materials which are not approved for disposal in the landfill.
5. Additionally, the operator must provide plans and provisions for the temporary storage of noncoal waste materials at the mine site. The waste materials would later be disposed of at the approved landfill.
6. If the operator's immediate plans are to excavate sediments from the sedimentation pond, then a plan for temporary storage and permanent onsite disposal of the sediments must be provided. The plan should include a provision for analytical testing of the sediments for toxicity.

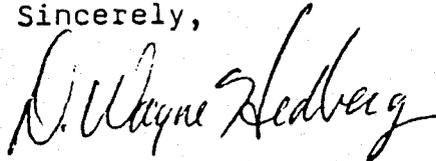
Disposal of excess spoils, waste rock, underground mine development waste and sediment pond sediments must be disposed of within the permit area boundaries. The Mine Safety and Health Administration (MSHA) requirements for stowing of materials underground may not allow for the disposal of some mine waste material generated during operations. Specifically, 30 CFR 75.400 (Federal Law), states that the combustible content of the dust on the roof, floor and ribs cannot exceed 35 percent in intake air and 20 percent in return air. Consequently, some mines have been required to remove underground accumulations of waste rock material for surface disposal, when quantities exceed the above limits.

Genwal must develop a plan for temporary and permanent disposal of such waste material which will be compatible with the requirements of MSHA and the Division of Oil, Gas and Mining. These requirements must be met prior to any mine waste materials being brought to the surface for either temporary or permanent storage on the surface.

Page 3
Mr. Charles Gent
ACT/015/032
September 23, 1985

The Company should address the conditions (#1 through 6) by October 4, 1985. We appreciate your cooperation in addressing these remaining concerns. Please contact me or Randy Harden should you have any questions.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

DH:jvb
cc: A. Klein
L. Braxton
P. Grubaugh-Littig
S. Linner
D. Lof
0141R-31-33

GENWAL COAL COMPANY

P.O. Box 1201 • Huntington, Utah 84528
Telephone (801) 687-9813

Mine File
W. Helms
S.C.K.
L/A

August 20, 1985

RECEIVED

AUG 20 1985

DIVISION OF OIL
GAS & MINING

Mr. Lowell Braxton
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Trial Center
Suite 350
Salt Lake City, UT 84180-1203

Re: Non-coal waste disposal Tract 1

Dear Mr. Braxton,

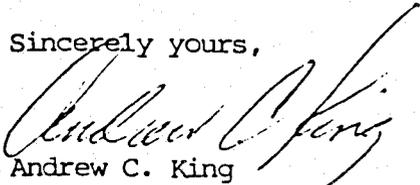
At this time Genwal Coal Company would like to request that the Division of Oil, Gas and Mining approve, for the disposal of non-coal waste from the Crandall Canyon Mine, the State approved landfill of Sinbad Construction.

In a recent conversation with the Department of Health Waste Disposal Branch's, Kent Montague, it was determined that this site would be a suitable landfill for the types of material generated at the mine site. In our conversation I related to him the types of material that would be placed in such a landfill including, oil soaked dirt, used oil drums, metal bands, wood, sludge from the sediment pond and various other waste generated at a typical coal mine. He did not see any problem with the items that were to be placed in the landfill and recommended I talk with Sinbad Construction as a possible site.

I hope you find this plan as being acceptable, if so I would appreciate you passing this along to Dave Lof of the inspection group, as abatement for the disposal portion of the NOV written in conjunction with the site development plans. We will dispose of the oil soaked dirt at the mine site at this location.

If there are any further questions or comments please feel free to contact me at 637-7383. Thank you for your time and consideration.

Sincerely yours,


Andrew C. King

3-9
Feb. 10, 1988

Scott M. Matheson
Governor



James O. Mason, M.D., Dr.P.H.
Executive Director
801-533-6111

DIVISIONS

Community Health Services
Environmental Health
Family Health Services
Health Care Financing

OFFICES

Administrative Services
Community Health Nursing
Management Planning
Medical Examiner
State Health Laboratory

STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

Kenneth Lee Alkema, Director
Room 474 801-533-6121

November 10, 1983

Ms. Thelma Mills, President
American Kinfolk, Incorporated
P.O. Box 780
Huntington, Utah

Re: Approval of Solid Waste
Disposal Site at Huntington,
Utah (Emery County)

Dear Ms. Mills:

This office has received and reviewed the plans, specifications and related information received on October 6, 1983, requesting approval of a solid waste disposal site at Huntington, Utah. The proposed site was inspected on October 27, 1983, by Mr. Gerald Story from the Southeastern District Health Department, and Mr. William Sinclair and Mr. Kent Montague of this office. The plans, specifications and location appear to be in conformance with the Utah Code of Solid Waste Disposal Regulations and are hereby approved with the following conditions:

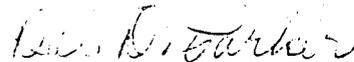
1. The mine wastes and drill rig wastes you accept must be inert, i.e., not capable of causing strong odors, must not attract insects or rodents and must not cause a nuisance or hazard or contribute to air or water pollution.
2. The site must not accept any commercial or household garbage or rubbish that would meet any of the criteria in #1 above.
3. All containers of oils or greases received must be empty before being disposed.
4. A drainage system must be constructed to lower the water table and effectively eliminate all standing water on the south and west portion of the site. All spring runoff and surface water must be diverted or otherwise controlled to prevent contact with the solid waste material.
5. The slope of the present working face of the solid waste lift must be reduced to effect proper compaction and cover requirements.

6. The solid waste material must be compacted to the smallest practical volume prior to covering with at least six inches of soil at least once a week, or more often if needed.
7. All entities that you provide a service to must be aware of the restriction in solid waste material that you will be approved to accept.
8. This approval is issued on the condition that the facility be constructed and operated in accordance with the specification which you submitted and in compliance with all applicable local, state and federal regulations.

Your solid waste disposal site will be subject to periodic inspections by representatives from the State and/or Southeastern Utah District Health Department.

If you have any questions regarding the foregoing, please contact Mr. Kent Montague of this office.

Sincerely,



Dale D. Parker, Ph.D.
Executive Secretary
Utah Solid and Hazardous Waste
Committee

cc: Southeastern Utah District Health Dept.
Attn: Gerald Story

WKM/ab
1855



STATE OF UTAH
DEPARTMENT OF HEALTH

NORMAN H. BANG

SUZANNE DANDROY, M.C., M.P.H., EXCC.

July 3, 1985
533-4145

John K. Wickman, President
Sinbad Construction Co., Inc.
P.O. Box 549
55 South 3rd West
Orangeville, Utah 84537

Re: Approval of Solid Waste
Disposal Site Orangeville, Utah
(Emery County)

Dear Mr. Wickman:

This office has received and reviewed the plans, specifications, and related information received on June 20, 1985 and additional information received on June 26, 1985, requesting approval of the above mentioned solid waste disposal site. The proposed site has been inspected by a representative of the Southeastern Utah District Health Department. The plans, specifications and location appear to be in conformance with the Utah Code of Solid Waste Disposal Regulations and are hereby approved upon strict compliance with the following:

1. Access must be controlled to ensure only mining wastes are accepted at the site.
2. At least six inches of earth be placed after each operating day over all waste material after compaction to the smallest practical volume.
3. Open burning of any kind shall not be permitted.

This approval is issued on the condition that the facility be constructed and operated in accordance with the plans and specifications which you submitted and in compliance with the Utah Code of Solid Waste Disposal Regulations and all applicable local, state and federal regulations.

Your solid waste disposal site will be subject to periodic inspections by representatives from the State and/or local health departments.

If you have any questions regarding the foregoing, please contact Mr. Kent Montague of this office.

Sincerely,

Dale O. Parker
Dale O. Parker, Ph.D.
Executive Secretary
Utah Solid and Hazardous Wastes
Committee

cc: Southeastern District Health Dept.
Emery County Commission - Orangeville

KENNETH L. ALKEMA, DIRECTOR - DIVISION OF ENVIRONMENTAL HEALTH

KM:SM
6919