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 STATE OF UTAH  
 NATURAL RESOURCES  
 Oil, Gas & Mining

ACT/007/011-87C  
 F, #3

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

January 22, 1988

Ms. Jean Semborski  
 Environmental Coordinator  
 United States Fuel Company  
 Hiawatha, Utah 84527

Dear Ms. Semborski:

Re: Conditional Approval of PAP Amendment, Request to Revise  
 Previously Approved Permit Amendment - C/007/011-87A, U. S. Fuel  
 Company, Hiawatha Complex, ACT/007/011-87C, Folder #3, Carbon  
 County, Utah

On December 18, 1987, the Division received U. S. Fuel Company's request to revise the PAP amendment, Two-Acre Coarse Refuse Storage Area Expansion (ACT/007/011-87A), which received approval on November 19, 1987. The request was reviewed for completeness and technical adequacy by Kent Wheeler, James Leatherwood, and Lynn Kunzler. Please refer to the attached memoranda for an explanation of the technical review and the conditions which must be addressed before final approval.

Upon final approval, the Division will forward extra copies of the approved plans to the appropriate state and federal agencies to update file copies of U. S. Fuel Company's permit application package (PAP). As part of your response to the conditions of this review, please provide another ten (10) copies of the revised plans with appropriate reference to the portion of the approved PAP.

Please provide the requested copies by February 15, 1988. Thank you for your cooperation in completing this permitting action. Please contact me or Susan Linner, Permit Supervisor, if you have questions or need additional information pertaining to this review.

Sincerely,

D. Wayne Hedberg  
 Data Management Coordinator

jr  
 Attachments

cc: M. Bailey            S. Linner  
       R. Hagen            B-Team  
       P. Rutledge        P.F.O.

8992R/23

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January 15, 1988

TO: File

FROM: Lynn Kunzler, Reclamation Biologist 

RE: Revision of Refuse Pile Extension Modification, U.S. Fuel Company, Hiawatha Complex, ACT/007/011, Folder #2, Carbon County, Utah

The proposed revision of the above-referenced plan was reviewed and found inadequate for stabilizing (vegetating) the topsoil stock pile for the following reasons:

1. The proposed seed mix, while approved for final revegetation of the topsoil stockpile location, would not provide adequate protection for the stockpile, in that most species are slow in developing and generally are not adapted to a spring planting.
2. The proposed mix contains several woody species that over the life of the stockpile would produce extensive top growth and/or root systems that could interfere with normal topsoil replacement practices.

While spring planting is normally unacceptable due to a lack of adequate soil moisture for germination and establishment, the species on the attached recommended seed mix have been known to provide adequate establishment from spring plantings. However, planting still must be done as early as possible after snowmelt and the site must be mulched with a long-lasting mulch (such as straw) to reduce moisture loss and provide soil protection for the first growing season. If seeding cannot be done while there is still adequate moisture, then the topsoil pile should be protected with a straw mulch for the summer and be seeded in the fall (October). Any weeds (i.e. kochia) that germinate should be treated with a light application of herbicide such as 2,4-D to conserve as much moisture in the soil as possible.

With the incorporation of the above discussion into the plan, and acceptance of the recommended seed mix, the revision would be acceptable.

jr  
Attachment  
cc: S. Linner  
1414/3

Recommended Seed Mix  
for  
Topsoil Stockpile Stabilization  
(January 15, 1988)

U.S. Fuel Company  
Hiawatha Complex  
ACT/007/011

<u>SPECIES</u>	<u>RATE*</u>
<u>Agropyron dasystachyum</u> Thickspike wheatgrass	4.0
<u>Agropyron trachycaulum</u> Slender wheatgrass	4.0
<u>Elymus cinereus</u> Great Basin wildrye	5.0
<u>Oryzopsis hymenoides</u> Indian ricegrass	2.0
<u>Forbs:</u>	
<u>Linum lewisii</u> Lewis flax	1.5
<u>Medicago sativa</u> Alfalfa	1.5
<u>Melilotus officinalis</u> Yellow sweetclover	1.5
<u>Penstemon palmeri</u> Palmer penstemon	0.5
Total	<u>20.0</u>

\*Rate is pounds of pure live seed (PLS) per acre for broadcast seeding. After seeding, the area should be lightly raked to cover seed and mulched with 2,000 pounds of straw per acre. Mulch should be anchored by crimping or polypropylene netting stapled on 3 to 4-foot centers.

January 7, 1988

TO: Memo to File

FROM: James Leatherwood, Reclamation Soil Specialist 

RE: Amendment to the November 19, 1987 Approved Hiawatha Coarse Refuse Storage Expansion Amendment, U.S. Fuel Company, Hiawatha Complex, ACT/007/011, Carbon County, Utah

Recommendation

The above stated submittal is adequate and should be approved with the acceptance of the following stipulation:

Stipulation UMC 817.23 - (1) - JSL

The existing diversion identified on Exhibit 111-3 must not be hydrologically connected with the proposed diversion to be constructed around the perimeter of the topsoil stockpile.

Discussion

The above-mentioned amendment received December 18, 1987 has been reviewed and found to be complete and adequate with the acceptance to stipulation UMC 817.23 - (1) - JSL. The topsoil stockpile will be placed on a stable surface. A diversion will be constructed around the perimeter of the stockpile (Diagram 1) to prevent soil loss, access and contamination. The proposed topsoil stockpile will be constructed near an existing diversion (Exhibit 111-3). This diversion must not be connected to the diversion to be constructed around the perimeter of the stockpile.

jr  
cc L. Kunzler  
S. Linner  
1342R/19

December 24, 1987

TO: File

FROM: Kent Wheeler, Reclamation Hydrologist *KW*

RE: Hiawatha Coarse Refuse Storage Expansion Amendment, U.S. Fuel Company, Hiawatha Complex, ACT/007/011, Carbon County, Utah

SUMMARY:

The above-referenced document was reviewed on December 24, 1987. The applicant proposed expanding the coarse refuse pile; this expansion will not increase the calculated runoff to the sediment pond. Therefore, no pond volume calculations were made. Exhibit III-3 clearly shows the location of the drainage ditches that report to the sediment pond, and Diagram 1 shows the typical diversion ditch cross-section. This diversion is large enough to contain the expected peak flows.

The new topsoil storage area does not report to the sediment pond; however, this small area will qualify for a small area exemption. Best Management Practices that will be used include revegetating and isolating the area by use of a berm (ditch) which will keep all runoff onsite and will prevent vehicular traffic from using the topsoil storage area.

RECOMMENDATIONS:

The above-referenced document is complete and should be approved. There should be no offsite impacts from the proposed expansion.

jr

cc: W. Hedberg  
J. Leatherwood  
S. Linner  
R. Summers

1239R/85