

December 30, 1982

Inspection Memo
to Coal File:

RE: Hiawatha Complex #7
U. S. Fuel Company
ACT/007/011
Carbon County, Utah

A partial inspection of the above-mentioned operation was conducted on November 19, 1982 by Sandy Pruitt accompanied by Jean Semborski, to check on the abatement to NAOC #1 of 2 (82-2-10-2) regarding erosion control. The brattice drop shute was attached to the four-inch metal pipe that drains the material storage yard adjacent to the King VI portal. The shute was secured at the bottom and riprap placed at the discharge point to minimize scouring. Construction of the sediment pond was completed October 26, 1982. The truck turnaround area, sediment pond embankments, South Fork topsoil stockpile and Middle Fork leachfield area had been seeded but could not be inspected due to snow cover.

Disturbed area runoff diverted toward slurry pond #5A bypassed the pond at the northwest edge of the pond embankment. Runoff flowed down the embankment into the roadside drainage ditch which conveyed it past the lower sediment pond onto a sage flat off-site. Samples of the drainage in a gully on the pond embankment contained 2,330 ppm TSS and the roadside ditch drainage which flowed off-site contained 7,430 ppm TSS. NOV #1 of 1 (82-2-10-1) was issued for the failure to pass disturbed area drainage through a sediment pond before leaving the permit area (UMC 817.42[a][1]). Remedial action required that all disturbed area runoff be diverted to a sediment pond. Time for abatement was four days or no later than November 23, 1982. The violation was terminated effectively November 22, 1982.

Following the inspection, Dick Graham presented a purchase confirmation dated November 15, 1982 which stated that the conveyor brackets needed to raise the King VI conveyor for deer crossings were to be delivered within 10 days.


SANDY PRUITT
FIELD SPECIALIST

cc: Tom Ehmett, OSM
Jean Semborski, U. S. Fuel Company

SP/btb

Statistics:

Vehicle: #EX 45424--532 miles
Per Diem: 1 person X 2 days, 4.5 hours = \$90
Grant: A & E

December 27, 1982

Inspection Memo
to Coal File:

#7
RE: Hiawatha Complex
U. S. Fuel Company
ACT/007/011
Carbon County, Utah

DATE: December 22, 1982
TIME: 8:30 a.m. - 3:00 p.m.
WEATHER: Fair, Cold
COMPANY OFFICIAL: Jean Semborski
STATE OFFICIALS: Sandy Pruitt, Larry Dalton, Miles Morette
ENFORCEMENT ACTION: NAOC 82-2-13-2

Compliance with Permanent Performance Standards

UMC 771.19 Permits et al

The May 11, 1978, DOGM mining approval of the May 5, 1977, 211 Mining and Reclamation Plan was available for inspection as required. A new NPDES permit #UT-0023094 is dated November 3, 1982 and will expire June 30, 1987. The permit authorizes discharges from all sediment ponds; the King IV ventilation tunnel, Mohrland Mine discharge, and culinary water tank overflow. No other new mining permits have been received this quarter.

UMC 817.21-.25 Topsoil

The "Lamb's trailer" topsoil stockpile was seeded and mulched with straw this fall. The burlap which was placed over the stockpiled topsoil in mid-summer was removed as requested.

UMC 817.41-.57 Hydrologic Balance

A water bar is to be established across the egress from slurry pond #4 so that runoff is diverted toward slurry pond #5A for treatment as required by UMC 817.42(a)(1). A berm should be re-established between the toe of slurry pond #4 and the mine access road so that drainage off the coal refuse embankment is diverted to the appropriate sediment pond prior to draining off-site as required by UMC 817.49(d). Runoff from the railroad loadout which is allowed to flow down the access road toward slurry pond #5A bypasses the pond around an obstruction of snow/waste above the outlet of the cross culvert which drains into the pond. This obstruction should be removed as soon as possible and the drainage course to slurry pond #5A kept maintained.

NAOC #1 of 2 (82-2-13-2) cites the inappropriate disposal of snow/waste which was placed on top of the berm above the South Fork of Miller Creek at the northwest edge of the Western Coal Carriers yard and the berm adjacent to the substation on the King VI mine yard. In accordance with UMC 817.41(d) and

817.42(a)(1), starting immediately, snow and waste removed from the mine roads and pads should be stockpiled within disturbed area drainages in such a manner that sediment control measures can function adequately to treat mine area drainage and the snow melt.

NAOC #2 of 2 requires the maintenance of sediment control measures over the entire operation. Of particular concern were the partially obstructed drainage culverts around the processing facility and railroad tracks. There was no immediate problem apparent during this inspection, but NAOC #2 was issued to prompt winter maintenance of drainage control structures. A mutual deadline for clearing the partially obstructed culverts is January 21, 1983.

A break at the connecting seam in the PVC pipe which diverts undisturbed drainage around the King VI truck loadout is to be repaired with an inner tube secured around the loose seam with wire.

Third quarter water monitoring data which were received at DOGM on November 18, 1982, were also available on-site as required, in addition to water sampling records for October and November. TSS levels were high in several water samples taken at the end of the major drainages in July, but no increase was indicated by water samples taken above and below the mine yards. A July sample taken from the lowest sampling point in Miller Creek below the processing plant and slurry ponds (ST-5) contained 443 ppm TSS. Water quality improved significantly during the rest of the quarter. This same trend is indicated by samples taken from Cedar Creek above and below the Mohrland Loadout Facility. TSS levels were high below the loadout (ST-6) in July, but decreased significantly during the rest of the quarter. High levels of total iron (average of 31 ppm) are evident in samples taken below the Mohrland yard (ST-6) throughout the third quarter and into October. An inspection of the Mohrland yard is necessary to determine the source of the problem. In review of the total years data, the increased iron level appears to be a new problem starting in July.

Third quarter NPDES reports examined indicated average flow levels from the Mohrland portal (001) of .148 MGD from the culinary water tank overflow (002) of .234 MGD and from the King IV ventilation tunnel (010) of .011 MGD. A maximum discharge (on September 29, 1982) from the King VI loadout sediment pond (011) was reported at .014 mgd. The water quality of this sediment pond discharge was reported at 1,828 ppm TSS and 30 ppm total iron. Noncompliance with the NPDES effluent limitation was reported to Steve McNeal of State Health in a letter dated November 29, 1982. The sediment pond was pumped dry for reconstruction in abatement of the problem.

UMC 817.91-.93 Coal Processing Waste: Dams and Embankments

Reclamation of slurry pond #4 is complete and slurry from the tipple is being diverted to the pump presently. The drainage course is highly eroded but containment of the slurry appears adequate. As mentioned above, a berm should be extended along the toe of the slurry pond #4 embankment to provide

INSPECTION MEMO TO COAL FILE
ACT/007/011
December 27, 1982
Page 3

adequate sediment control as required by UMC 817.93(a). The reclamation operations has ceased for the winter. The coal fines reclaimed from the slurry ponds #4 and #5B are stockpiled in pond #5B for removal next summer. Reclamation of slurry pond #5B appears near completion also.

UMC 817.97 Protection of Fish, Wildlife and Related Environmental Values

Larry Dalton and Miles Moretti (DWR) were available on-site later in the afternoon to help locate points along the King VI conveyor where removal of the guard rail is necessary to facilitate deer crossings. It was decided that only two 12-foot sections of the guard rail needed to be removed. One section is located directly above the inlet of the cross culvert into the mine sediment pond. The second section is by the only large pine tree close to the conveyor. These sections were flagged by Ms. Semborski. It was agreed that the electrical conduit and the conveyor would not need to be raised along those sections of the conveyor bounded by the guard rail. The support bracts needed to raise the conveyor have not been received yet.

UMC 817.111-.117 Revegetation

The interim revegetation plan approved April 9, 1982 was implemented in mid-November. The slopes above the King VI truck turnaround and the sediment pond embankments were seeded and mulched with or without nylon netting as planned. The "Lamb's trailer" topsoil stockpile and the leachfield area in Middle Fork were also seeded and mulched with straw.

UMC 817.121-.126 Subsidence

The U. S. Forest Service conducts annual flyovers of the Gentry Mountain area and by agreement with U. S. Fuel, provide infra-red photographs for subsidence monitoring. Due to poor weather conditions, a flyover was not conducted this year. No subsidence has been detected from previous photographs.

SANDY PRUITT 
FIELD SPECIALIST

cc: Tom Emmett, OSM
Jean Semborski, U. S. Fuel Company

SP/btb

Statistics:

Vehicle: #EX 66853--531 miles
Per Diem: 1 person X 2 days = \$89.56
Grant: A & E

December 8, 1982

Inspection Memo
to Coal File

#7

RE: Hiawatha Complex
U.S. Fuel Company
ACT/007/011
Carbon County, Utah

Sandy Pruitt briefly inspected the above mentioned site on November 23, 1982 to terminate NOV #1 of 1 (N82-2-10-1). In abatement, U.S. Fuel Company had constructed a ditch and berm extending west from the north embankment of slurry pond #5A to divert the bypass runoff (subject to the violation) into the pond. The NOV was terminated effective November 22, 1982.

Drainage off the small outslope area below the new berm, still drains into the roadside ditch and off site. The outslope of the slurry pond is considered a disturbed area and this drainage should, and could easily be diverted to the sediment pond either by extending the ditch along the toe of the slurry pond embankment all the way to the western end of this small area or by channeling the road drainage below the slurry pond embankment into the sediment pond. It was requested that U.S. Fuel address the drainage problem prior to the next monthly inspection, or a violation to UMC 817.42 (a)(1) will be issued.

SANDY PRUITT
FIELD SPECIALIST

SP/tck

cc: Tom Ehmett, OSM
Jean Semborski, U.S. Fuel

Statistics:

C. & W. Mine memo dated, November 29, 1982



file

SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

Vacation or Termination of Notice or Order

#7

To the Following Permittee or Operator:

Name US Fuel Co. - Hiawatha Complex

Mailing Address Hiawatha Complex, Hiawatha UT 84527

State Permit No. ACT/007/011

Utah Coal Mining and Reclamation Act, Section 40-10-1 et. seq., Utah Code Annotated (1953):

Notice of Violation No. N 82-2-10-1 82 1 dated 11/19, 1982
Y TV

Cessation Order No. C _____ Y TV dated _____, 19____.

Violation No. 1 is hereby X Terminated effective 11/22/82 Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Date of Service 11/23/82 _____
Signature of Authorized Representative Sandy Pruitt

Time of Service or Mailing 12:15 a.m. _____ p.m. _____
Name and I.D. No. Sandy Pruitt #2

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS & MINING

1588 West North Temple
Salt Lake City, Utah 84116
Telephone: (801) 533-5771

file

NOTICE OF VIOLATION NO.N

82-2-10-1

From the STATE OF UTAH
To the Following Permittee or Operator:

#7

NAME US Fuel Co.
 MINE Hawatha SURFACE UNDERGROUND OTHER
 CATEGORY OF OWNERSHIP: STATE FEDERAL FEE MIXED
 OSM MINE NO. _____ STATE PERMIT NO. ACT/001/011 MSHA I.D. NO. _____
 COUNTY AND STATE Carbon UT TELEPHONE 637-9253
 MAILING ADDRESS: Hawatha Complex Hawatha UT 84527
 DATE OF INSPECTION 11/19 19 82
 TIME OF INSPECTION: FROM 9:00 a.m. to 11:00 a.m.
 p.m. p.m.
 NAME OF OPERATOR (if other than permittee) _____
 MAILING ADDRESS: _____

Under the authority of the Utah Coal Mining and Reclamation Act of 1979 (Sec. 40-10-1 et seq., Utah Code Annotated, 1953), the undersigned authorized representative of the Director and the Division of Oil, Gas & Mining has conducted an inspection of the above mine on the above date and has found violation(s) of the Act, the regulations or required permit condition(s) listed in the attachment(s). This Notice constitutes a separate Notice of Violation for each violation listed.

You must abate each of these violations within the designated abatement time. You are responsible for doing all work in a safe and workmanlike manner.

The undersigned representative finds that cessation of mining is is not expressly or in practical effect required by this Notice. For this purpose "Mining" means extracting coal from the earth or a waste pile and transporting it within or from the minesite.

This Notice shall remain in effect until it expires as provided on the reverse or is modified, terminated or vacated by written notice of an authorized representative of the Director of the Division of Oil, Gas & Mining. The time for abatement may be extended by the authorized representative for good cause, if a request is made within a reasonable time before the end of the abatement period.

Date of Service 11/19/82 _____
 SIGNATURE OF AUTHORIZED REPRESENTATIVE [Signature]
 Time of Service 11:30 a.m. p.m. _____
 NAME AND I. D. NO. Sandy Smith #2
 Person Served with Notice Jean Lemborshi Eng. Asst.
 PRINT NAME AND TITLE
 Signature _____

IMPORTANT — PLEASE READ REVERSE OF THIS PAGE



STATE OF UTAH

Notice of Violation No. N DZ-2-10-1

Violation No. 1 of 1

Nature of the Violation

failure to pass disturbed area drainage through a sediment pond before leaving the permit area.

Provision(s) of the Regulations, Act, or Permit Violated

UCA 1953 40-10-18(2)(i)(ii)
UNC 817.42(a)(1)

Portion of the Operation to which Notice Applies

Surface runoff bypassing skurry pond 5 at the north west edge.

Remedial Action Required (including interim steps, if any)

1. Direct runoff to a sediment pond.

Time for Abatement (including time for interim steps, if any)

4 days, no later than 11/23/82.

file



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
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EDWARD T. BECK
E. STEELE McINTYRE

CLEON B. FEIGHT
Director

Vacation or Termination of Notice or Order # 7

To the Following Permittee or Operator:

Name US Fuel - Hiawatha Complex
Mailing Address Hiawatha Complex, Hiawatha, UT 84527
State Permit No. ACT/002/011

Utah Coal Mining and Reclamation Act, Section 40-10-1 et. seq., Utah Code Annotated (1953):

Notice of Violation No. N 82-2-5-1 82 1 dated 6/3, 1982
Y TV

Cessation Order No. C _____ dated _____, 19____
Y TV

Violation No. 1 is hereby Terminated effective 10/26/82 _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Date of Service 11/19/82 _____
Signature of Authorized Representative

Time of Service or Mailing 11:30 a.m. _____ p.m. _____
Name and I.D. No. Sandy Pruitt #2

November 16, 1982

Inspection Memo
to Coal File

#7

RE: U.S. Fuel Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

DATE: June 9-10, 1982
TIME: 7:30 a.m. - 4:00 p.m.; 8:00 a.m. - 10:00 a.m.
WEATHER: Fair
COMPANY OFFICIAL: Jean Semborski
STATE OFFICIAL: Sandy Pruitt
ENFORCEMENT ACTION: NAOC 82-2-7-2, NOV N82-2-6-1

Compliance with Permanent Performance Standards

UMC 771 et al Permits

The 211 mine plan and interim approval letter dated May 11, 1978 were available for inspection as required.

UMC 817.41 - .52 Hydrologic Balance

A subsurface oil/gas seep from the Western Coal Carriers pad/timber storage yard was a potential pollution source draining into the south fork of Miller Creek. NAOC #1 of 2 (82-2-7-2), was issued for minimization of the pollution source. Compliance required interim treatment with a series of straw bales staked down along the seep drainage course. The NAOC further required that the source of the seep be determined and plans for treatment of the seepage be submitted and implemented immediately upon approval to prevent the contaminated seepage from entering ground or surface water untreated. The deadline agreed to for interim protection was June 16, 1982. Complete abatement was required by June 25, 1982.

The stream channel diversion above the middle fork mine yard is conveyed past the water tanks by a 24 inch corrugated metal pipe, downstream it is conveyed past the substation in a six inch metal pipe, below that a 14 inch corrugated metal pipe diverts the ephemeral drainage to the major bypass under the mine yard. Minor erosion is evident around the six inch pipe. NAOC, #2 of 2, (82-2-7-2), was issued for the unapproved stream channel diversion, the capacity of which is inadequately sized resulting in erosion at the six inch pipe. Compliance requires the submittal of design plans for the undersized structure in request for a variance or plans for the installation of a more adequate diversion structure which will be implemented immediately upon DOGM approval. The deadline agreed to is June 25, 1982.

Inspection Memo
ACT/007/011
November 16, 1982
Page Two

The drop drain south of the ROM conveyor appeared open but runoff was observed flowing past the drop drain through a breach in the berm and onto the downslope above the truck loadouts stockpile resulting in excessive erosion up to six feet deep. NOV #1 of 1, (N82-2-6-1), was issued for the failure to maintain sediment control structures to prevent erosion on the downslope above the truck loadout pad in the middle fork yard. Remedial action requires the maintenance of the berm and drop drain to the south of the conveyor to adequately drain the area and keep pad drainage off the downslope. Stabilization of the eroded downslope was also required. The deadline was set for June 21, 1982.

The inlet to the middle fork sediment pond was stabilized with installation of a 14 inch corrugated metal pipe with rip rap at the outlet.

Due to a pump failure, water was flowing out of the preparation plant along the railroad tracks to slurry pond 5A. The thickner also had a leak (seepage at the base which also flowed to slurry pond 5A). The in the northwest corner of slurry pond 5A was fixed by compaction.


SANDY PRUITT
FIELD SPECIALIST

SP/tck

cc: Tom Ehmett, OSM

Statistics:

See Gordon Creek #2 memo dated, June 22, 1982

File ACT/007/011
#7

UNITED STATES FUEL COMPANY

SUBSIDIARY OF SHARON STEEL CORPORATION • AN **NVF** COMPANY
NINETEENTH FLOOR UNIVERSITY CLUB BUILDING
136 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111

October 8, 1982

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Mr. John J. Whitehead, Field Specialist

Dear John:

This letter is in response to your letter and NAOC 82-2-10-2 sent to me on October 4, 1982.

As I told you in our phone conversation of October 1, 1982, I am having the Interim Revegetation Plan put into effect starting about October 18, 1982 - scheduled for completion on October 29, 1982. During that time, I will have the contractor apply seed, mulch and tackifier, as needed, to the area of the deer crossing of the 42" conveyor belt in an effort to facilitate deer movements from one side of the conveyor to the other.

Have a nice week.

Very truly yours,

Charles J. Jahne
Charles J. Jahne

CJJ:m
RECEIVED
OCT 12 1982



Quotations subject to immediate acceptance. Coal will be sold and invoiced at price in effect on date of shipment, at mine weights f. o. b. cars at place of shipment, unless otherwise specifically agreed in writing. Agreements are contingent upon causes of delay beyond our control, including strikes, accidents, riots, acts of God, lockouts, fire, flood, inability to secure cars or transportation.

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 5, 1982

Ms. Jean Semborski
U.S. Fuel Company
Hiawatha Complex
Hiawatha, Utah 84527

RE: Pattern of Violations
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Dear Ms. Semborski:

As per your request, enclosed are copies of the six sediment control violations, four topsoil violations and one topsoil cessation order which are the portion of the total of 13 violations issued during the one year period from June 30, 1981 to June 30, 1982, creating the pattern of violation subject to the Order to Show Cause.

If you need any more information on this, please feel free to call.

Sincerely,



SANDY PRUITT
FIELD SPECIALIST

SP/lm

Enclosures

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3. If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends. If space permits, otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in Item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.

*G.P.O.: 1980 331-003

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PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, \$300



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Natural Resources & Energy
Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114

(Name of Sender)

(Street or P.O. Box)

(City, State, and ZIP Code)

P 324 744 130
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO: *Robert Eccli*
STREET AND NO.: *U.S. Fuel Co.*
P.O., STATE AND ZIP CODE: *Hiawatha, UT 84527*

POSTAGE \$

CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	c
		SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	c
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE			

DO NOT

PS Form 3800, Apr. 1976

PS Form 3811, Jan. 1978

AC1007/011

● SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

Show to whom and date delivered.

Show to whom, date and address of delivery.

RESTRICTED DELIVERY

Show to whom and date delivered.

RESTRICTED DELIVERY.

Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

Robert Eccli
U.S. Fuel Co.
Hiawatha, UT 84527

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	<i>744 130</i>	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

Robert Eccli

4. DATE OF DELIVERY

NOV 3 1982

5. ADDRESS (Complete only if requested)

Hiawatha, UT 84527

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

OH

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 2, 1982

REGISTERED RETURN RECEIPT REQUESTED

Mr. Robert Eccli
U. S. Fuel Company
Hiawatha Complex
Hiawatha, Utah 84527

RE: Compliance Status at the
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Dear Mr. Eccli:

I would like to take the opportunity to discuss with you the compliance status of Kaiser Steel's Sunnyside operation.

Recently, the Office of Surface Mining (OSM) conducted a preliminary review of our coal regulatory program pursuant to their oversight policy. OSM's initial findings indicated that during a one year period from June 1981 through June 1982 a total of 13 violations and one Cessation Order were issued and upheld in assessment conferences. Sediment control violations were cited on four separate State inspections. Topsoil violations were cited on three separate State inspections. The Utah Law refers to the situation in general terms as a pattern of violations under Section 40-10-22(d) which reads as follows:

"When on the basis of an inspection, the Division determines that a pattern of violations of any requirements of this chapter or any permit conditions required by this chapter exist, or has existed, and if the Division also finds that these violations are caused by the unwarranted failure of the permittee to comply with any requirements of this chapter or any permit conditions or that these violations are willfully caused by the permittee, the Board shall be requested to issue an order to the permittee to show cause as to why the permit should not be suspended or revoked and shall provide opportunity for public hearing. If a conference is requested, the Division shall inform all interested parties of the time and place of the hearing. Upon the permittee's failure to show cause as to why the permit should not be suspended or revoked, the Board shall immediately suspend or revoke the permit."

Mr. Robert Eccli
ACT/007/011
November 2, 1982
Page 2

In reviewing the language of the aforementioned section of our statute, a formal Order to Show Cause before the Board may be required. In view of this, I would like to extend an open invitation to you and members of your company to meet with myself and members of both our technical and inspection and enforcement staffs to informally discuss the compliance history and status of the Sunnyside operation. I feel that a meeting of this nature would provide the necessary mechanism for ensuring environmental compliance without enforcement action.

Your response in this matter at your earliest possible convenience will be greatly appreciated.

Sincerely,



RONALD W. DANIELS
DEPUTY DIRECTOR

RWD:btb

cc: John Lind, U. S. Fuel Company
Charles Jahne, Sharon Steel Corporation
Jim Smith, DOGM
Jack Feight, DOGM
Joe Helfrich, DOGM

November 10, 1982

Inspection Memo
to Coal File:

RE: U. S. Fuel Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Doug Maier, Engineering Geologist; Pam Grubaugh-Littig, Reclamation Engineer; and Sandy Pruitt conducted a partial inspection on October 20, 1982. Jean Semborski, U. S. Fuel, accompanied them on a tour of the South Fork and Middle Fork mine yards and the North Fork ventilation portal.

South Fork

Construction of the King VI truck loadout sediment pond started on Thursday, October 14. Roughly 500 cubic yards of topsoil was removed from the area of pond extension and stockpiled adjacent to the topsoil stockpile at the Lamb's trailer location. The topsoil had just been dumped by loads at this site. Slope contour work and construction of a runoff diversion ditch around the stockpile is required. These stockpiles are to be seeded in November. Some of the viable growth medium had to be used as fill in pond construction.

The pond embankment was constructed in 18-inch lifts. Access onto the southern embankment will be maintained. A portion of the western embankment encroaching the stream channel may need to be rock lined at the base to prevent undercutting at the toe and minimize stream sedimentation. The placement of the principal decant structure was moved in closer to the embankment to provide more support at the base pipe. The level of the pipe is to remain the same.

The muck remaining in the bottom of the pond was partially contained within a berm constructed of the excavated material. There was evidence on the undisturbed downslope that some mud had flowed out of the containment to within six feet of the stream. At the time of this inspection, a small pond of muck was well contained on the eastern edge of the pond.

The berm along the South Fork fan pad subject to NOV #1 (N82-2-7-1) was replaced the day following citation, so the NOV was terminated effectively September 9, 1982.

The gully stabilization work required by NAOC #1 of 2 (82-2-10-2) was partially completed. A four-inch metal pipe with a rock head wall was placed at the head of the gully. Brattice cloth was to be used for channel lining and rock will be placed at the discharge point to prevent scouring. This additional work will be examined during the next monthly inspection to make sure the brattice cloth is permanently secured and that rock dissipators are properly in place.

INSPECTION MEMO TO COAL FILE
ACT/007/011
November 10, 1982
Page 2

Middle Fork

No runoff water will reach the drop drain south of the ROM conveyor. Runoff ponds before the drop drain and eventually drains into the culvert to the north of the conveyor.

Noncoal waste temporarily stored next to the undisturbed drainage culvert south of the fan was removed and most waste from the mines properly stored in dumpsters.

North Fork

Interim revegetation on the topsoiled fill slope above the ventilation portal is good. Straw bales in the mine drainage course which have been eaten again were replaced during the visit. The Class III access road is moderately eroded. Regrading in 1983 may be necessary.

Increased seepage from the toe of slurry pond #5B was apparent. The refuse material did not feel soft from saturation and no new tension cracks were evident. Seepage drains into sediment pond #5.

During the course of our tour, Mary Boucek, Reclamation Biologist, inspected the King VI conveyor with Larry Dalton, DWR; John Rice, BioWest; and Chuck Jahne, Sharon Steel Corporation. The purpose of the inspection was to determine whether the conveyor created a barrier to wildlife migration (refer to memo dated October 22, 1982). This inspection was arranged in abatement to NAOC #2 of 2 (82-2-10-2). As a result of the inspection, additional mitigative actions are required for termination of the NAOC (refer to letter dated October 26, 1982 and DWR recommendations incorporated in letter dated November 3, 1982). A deadline of November 30, 1982 was discussed over the phone with Bob Eccli on November 8, 1982 and deemed mutually agreeable.

SANDY PRUITT 
FIELD SPECIALIST

cc: Tom Emmett, OSM
Jean Semborksi, U. S. Fuel Company
Inspection Staff

SP/btb

Statistics:

See Gordon Creek #3 & 6 Mines memo dated November 1, 1982
Grant: A & E



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 4, 1982

ACI/009/011

Mr. Charles Jahne
Environmental Engineer
Sharon Steel Corporation
19th Floor University Club Building
136 East South Temple
Salt Lake City, Ut 84111

Dear Mr. Jahne,

Pursuant to our phone conversation of October 1, 1982, please find enclosed NAOC 82-2-10-2. For background reference on this matter please note Division Biologist Mary Boucek's letter to you dated April 9, 1982.

Should you have any questions regarding this matter, please feel free to contact myself or Sandy Pruitt.

Sincerely,

JOHN J. WHITEHEAD
FIELD SPECIALIST

JJW/tck

cc: Jean Semborski, U.S. Fuel
Mary Boucek



DEPARTMENT OF NATURAL RESOURCES - DIVISION OF OIL, GAS, AND MINING
4241 STATE OFFICE BUILDING, SALT LAKE CITY, UTAH 84114 (801) 533-5771

56-64-17

STATE OF UTAH

ACT
Account No. ACT/007/011
NAOC No. 97-2-10-2

Notice of Area of Concern: 2/2

This notice is intended to inform the operator of a condition or practice which may result in a violation of the performance standards promulgated under Title 40, Chapter 10, UCA 1953. Failure to comply with this notice by the agreed deadline may result in issuance of a Notice of Violation.

Nature of Concern: Minimize disturbances & adverse impacts on the activities of wildlife to the extent possible using the best technology currently available. Achieve enhancement of these resources when practicable.

Pertinent Regulation of Permit Condition:

UAC 817.97(a)
UCA 1953 40-10-18(2)(K)

Portion of Operation to which Notice Applies:

King III Conveyor deer crossing.

Compliance Action Required:

facilitate deer movements from one side of the conveyor to the other to the extent possible & where practicable using the best technology currently available.

Deadline:

Oct 29, 1982

The undersigned hereby agree that the above-mentioned measures should be accomplished prior to the mutually agreed deadline.

Signature of Authorized Representative:

Date: 9/30/82 [Signature] #2

Signature of Operator: Michael W. Mr. Charles Tubbs

Date: 10-1-82

October 20, 1982

Inspection Memo
to Coal File

RE: U.S. Fuels Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

DATE: September 29, 1982 and September 30, 1982
TIME: 8:30 a.m.-4:00 p.m. and 11:00 a.m. to 3:00 p.m.
WEATHER: Cold and snowing on 9-29: cool and clear on 9-30
COMPANY OFFICIAL: Jean Semborski
STATE OFFICIALS: Sandy Pruitt, John Whitehead, and Joe Lyons
ENFORCEMENT ACTION: NOV N82-2-7-1 and NAOC 82-2-10-2

Compliance With Permanent Performance Standards

771 et al Permits

The following permit approvals were on site and reviewed:

1. The 211 plan was present, no formal approval letter from the U.S.G.S. was available for inspectors to review.
2. An interim approval letter from the Division dated May 11, 1978 was on file.
3. Approval for an interim revegetation plan was contained in a letter dated April 9, 1982 from Mary Boucek of the Division.
4. In a letter dated September 20, 1982 from Thomas Munson of the Division, approval was granted for construction of the new sediment pond at the King VI minesite.
5. A letter dated June 23, 1982 from Dave Darby of the Division approved plans for a concrete sump to contain waste water discharge at the Western Coal Carriers yard.

817.11 Signs and Markers

Entrance signs were observed at appropriate locations during the inspection. The signs contained pertinent information required to identify the operator.

Perimeter markers were also observed in appropriate locations in the areas inspected.

817.21 - .25 Topsoil

Construction of the new sediment pond at the King VI minesite will involve removal of topsoil. The old Lamb's trailer location has been evaluated and determined a feasible location for storage.

817.41-.52 Hydrologic Balance

The pad area east of the shop building at the King VI minesite was experiencing significant ponding during the time of the inspection. No formal means of conveyance for drainage off of this pad area had been established since the installation of the conveyer. A small gully had formed on the south facing downslope off this pad, possibly as a result of the ponding. NAOC 82-2-10-2, 1 of 2, was issued to address this potential concern. The operator was requested to minimize erosion to the extent possible pursuant to UCA 40-10-17 (2) (d) and UMC 817.45 (iii) by defining and constructing a method of conveyance for drainage from the pad area east of the King VI shop building to the sediment pond. The deadline for this NAOC was no later than October 20 1982.

On September 29, 1982, the berm along the fan pad at the King VI minesite appeared to be poorly maintained although due to the snow cover, inspectors could not observe water leaving the permit area. Inspectors returned to the site September 30, 1982, and disturbed area runoff was leaving the fan pad in three separate locations. NOV 82-2-7-1 was issued as a result of this situation.

Nature of Violation

Failure to prevent to the extent possible using the best technology currently available, additional contribution of sediment to the stream flow or runoff outside the permit area. Failure to pass all surface drainage from the disturbed area through a sediment pond.

Provisions of the Regulation, Act or Permit Violated

40-10-18(2)(i)(ii) UCA, 1953
UMC 817.42(a)(1)

Portion of the Operation to Which the Notice Applies

King VI fan pad and adjacent area.

Remedial Action Required

Enhance and reconstruct berm above the south fork of Miller Creek to retain the disturbed area runoff from the stream flow and divert all runoff to the sediment pond.

Time for Abatement

No later than 8:00 a.m. on October 7, 1982.

The lower sediment pond at the King VI site was discharging through the emergency spillway at the time of the inspection on both days September 29 and September 30. The amount of water in the pond posed a serious threat to breaching the pond. Only two to three inches of freeboard existed on September 29. Inspectors returned on September 30 and the lower sediment pond was continuing to discharge through the emergency spillway, the lowest bank area had experienced some overtopping and the bank was saturated to the extent that failure of the pond was imminent. On September 29, 1982 the inspectors requested that the operator pump out the pond using a water tank truck to prevent the possibility of breaching the sediment pond. Lowdermilk was onsite and began pumping water out of the pond on September 30, 1982. The pond discharge and overtopping had ceased by the end of this inspection. Lowdermilk was to continue pumping the pond until dry to prepare for pond reconstruction scheduled for mid-October. Water from the pond was transported to slurry pond #5. This sediment pond had been the subject of NOV 82-2-5-1 concerning design deficiencies.

At the Middle Fork mine yard site significant ponding was present on the area near the end of the ROM conveyor belt. The drop drain on the south side of the conveyor belt was not functioning as designed. Water was unable to enter the drop drain due to the grade on the south side of the conveyor belt.

The disturbed area diversion ditch on the south side of the main road just north of the fan pad area at the King VI mine site was partially obstructed by a spool of cable which had fallen into the ditch. The operator was informed of the need to remove this material before the next monthly inspection.

U.S. Fuel conducts weekly inspections of the slurry pond embankments as required by MSHA and UMC 817.46 (t). Reports on the condition of the embankments (slope, presence of seepages, burning, tension cracks, sloughage, erosion, etc.) were available for inspection. Slurry pond #5 shows signs of seepage, tension cracks and erosion on the northwest corner. There is no immediate concern for the pond stability though.

817.52 Surface and Ground Water Monitoring

The NPDES permit for the Hiawatha Complex had expired June 30, 1982. A letter from the EPA dated May 22, 1982 granted a temporary extension under the old permit until the new permit was issued. The draft NPDES permit UT 0023094, which named Cedar Creek and Miller Creek as receiving waters, was on hand for inspectors to review.

Surface water monitoring data was on hand through August of 1982. A list describing the exact locations of each monitoring site was obtained from the operator.

817.89 Disposal of Non-coal Wastes

Several transformers on the King VI minesite stored just east of the maintenance shed may potentially contain PCB material. Jean Semborski was not able to tell the inspectors as to the exact nature of the PCB monitoring program or safety precautions taken in case of spills of this material. Ms. Semborski was requested to forward information to the inspectors concerning the status on the PCB safety and monitoring for the U.S. Fuels Hiawatha complex.

Some concern was noted by the inspectors as to the proximity of non-coal waste to the undisturbed drainage culvert inlet for the middle fork of Miller Creek. The operator stated that the material would be moved to dumpsters on site.

817.97 Protection of Fish, Wildlife, and Related Environmental Values

A U.S. Fish and Wildlife Service letter dated October 9, 1981, indicated that an inspection had been performed on the power poles at the Hiawatha complex to determine raptor electrocution hazard. The letter recommended that modification was not necessary at this time for any of the poles contained in the Hiawatha complex.

The King VI conveyor deer crossing site was reviewed by inspectors. Concern was noted that the operator had failed to respond to Division Biologist, Mary Boucek's letter, dated April 9, 1982, regarding enhancement of the crossing. As a result, NAOC 82-2-10-2, 2 of 2 was issued.

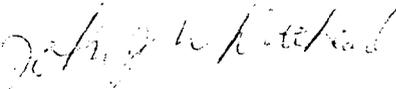
U.S. Fuels Company
ACT/007/011
October 20, 1982
Page Five

The operator was requested to minimize disturbances and adverse impacts on the activities of wildlife to the extent possible using the best technology currently available and to achieve enhancement of these resources where possible. The requested action was pursuant to UCA 40-10-18 (2) (k) and UMC 817.95(a) and applicable to the King VI conveyer deer crossing. Compliance action included facilitating deer movements from one side of the conveyer to the other to the extent possible and where practicable. The deadline for the NAOC was October 29, 1982.

This NAOC was transmitted to Mr. Charles Jahne, Environmental Engineer for Sharon Steel Corporation at the request of Jean Semborski of U.S. Fuel. A letter of October 4, 1982, transmitting the NAOC to Mr. Jahne, requested a response by October 29, 1982.

817.100 Contemporaneous Reclamation

The operator had received permission for an interim revegetation plan in a letter dated April 9, 1982. B & R Reclamation had been contracted by the operator to do the seeding this fall on areas contained in the interim revegetation plan. Some concern was noted by Ms. Semborski as to whether the new sediment pond would be in place in time for revegetation to occur simultaneously on the pond side slopes as well as throughout the complex. Inspectors urged Ms. Semborski to ensure that revegetation was undertaken on all areas in the interim revegetation plan even if the pond side slopes could not be seeded this fall.


JOHN WHITEHEAD
FIELD SPECIALIST

JJW/tck

cc: Tom Ehmett, OSM
Jean Semborski, U.S. Fuel
Inspection Staff

Statistics:

Vehicle: EX #66853 - 576 miles
Per diem: 3 persons X 2 days - 10 hours = \$286.68
Grant: A & E

ACT-007-011

file



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CLEON B. FEIGHT
Director

Vacation or Termination of Notice or Order

To the Following Permittee or Operator:

Name US Fuel Co - Hiawatha Complex

Mailing Address Hiawatha Complex, Hiawatha UT 84527

State Permit No. ACT/007/011

Utah Coal Mining and Reclamation Act, Section 40-10-1 et. seq., Utah Code Annotated (1953):

Notice of Violation No. N 82-2-7-1 821 dated 9/29, 1982
Y TV

Cessation Order No. C _____ dated _____, 19____
Y TV

Violation No. 1 is hereby X Terminated effective 9/30/82 Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Date of Service 10/20/82 _____
Signature of Authorized Representative [Signature]

Time of Service or Mailing 2:10 a.m. X p.m. _____
Name and I.D. No. [Signature]

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS & MINING

1588 West North Temple
Salt Lake City, Utah 84116
Telephone: (801) 533-5771

File
ACT/007/011

NOTICE OF VIOLATION NO. N 82-2-7-1

From the STATE OF UTAH
To the Following Permittee or Operator:

NAME U.S. Fuel Co.
 MINE Hiawatha Complex SURFACE UNDERGROUND OTHER
 CATEGORY OF OWNERSHIP: STATE FEDERAL FEE MIXED
 OSM MINE NO. _____ STATE PERMIT NO. ACT/007/011 MSHA I.D. NO. _____
 COUNTY AND STATE Carbon County Utah TELEPHONE _____
 MAILING ADDRESS: Hiawatha Complex, Hiawatha Utah 84527
 DATE OF INSPECTION Sept. 29, 19 82.
 TIME OF INSPECTION: FROM 8:30 a.m. to 4:00 a.m.
 p.m. to p.m.
 NAME OF OPERATOR (if other than permittee) _____
 MAILING ADDRESS: _____

Under the authority of the Utah Coal Mining and Reclamation Act of 1979 (Sec. 40-10-1 et seq., Utah Code Annotated, 1953), the undersigned authorized representative of the Director and the Division of Oil, Gas & Mining has conducted an inspection of the above mine on the above date and has found violation(s) of the Act, the regulations or required permit condition(s) listed in the attachment(s). This Notice constitutes a separate Notice of Violation for each violation listed.

You must abate each of these violations within the designated abatement time. You are responsible for doing all work in a safe and workmanlike manner.

The undersigned representative finds that cessation of mining is is not expressly or in practical effect required by this Notice. For this purpose "Mining" means extracting coal from the earth or a waste pile and transporting it within or from the minesite.

This Notice shall remain in effect until it expires as provided on the reverse or is modified, terminated or vacated by written notice of an authorized representative of the Director of the Division of Oil, Gas & Mining. The time for abatement may be extended by the authorized representative for good cause, if a request is made within a reasonable time before the end of the abatement period.

Date of Service Sept 30, 1982 
 SIGNATURE OF AUTHORIZED REPRESENTATIVE
 Time of Service 2:10 a.m. p.m. Sandy Pruitt #2
 NAME AND I. D. NO.
 Person Served with Notice Jean Jembowski
 PRINT NAME AND TITLE
 Signature _____

IMPORTANT — PLEASE READ REVERSE OF THIS PAGE



STATE OF UTAH

Notice of Violation No. N 82-2-7-1

Violation No. 1 of 1

Nature of the Violation

Failure to prevent, to the extent possible using the best technology currently available, additional contributions of suspended solids to streamflow or runoff outside the permit area. Failure to pass all surface drainage from the disturbed area through a sediment pond.

Provision(s) of the Regulations, Act, or Permit Violated

40-10-18(2)(i)(ii), UCA 1953
UAC 317.42(a)(1)

Portion of the Operation to which Notice Applies

King III fan pad and adjacent area

Remedial Action Required (including interim steps, if any)

Enhance & reconstruct berm above the south fork of Miller Creek to retain disturbed area runoff from streamflow and divert all runoff to the sediment pond.

Time for Abatement (including time for interim steps, if any)

No later than 8:00 am on Oct 7, 1982

P 324 744 054

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse) ACT/007/001

SENT TO		Chuck Jahns	
STREET AND NO.		136 E. South Temple	
P.O., STATE AND ZIP CODE		S.L.C.; UT 84111	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	c	
	SPECIAL DELIVERY	c	
	RESTRICTED DELIVERY	c	
	OPTIONAL SERVICES	c	
	RETURN RECEIPT SERVICE	c	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE			
			

PS Form 3800, Apr. 1976

PS Form 3811, Jan. 1975

● SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

Show to whom and date delivered..... c

Show to whom, date and address of delivery..... c

RESTRICTED DELIVERY

Show to whom and date delivered..... c

RESTRICTED DELIVERY.

Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

Charles Jahns
19th floor, University Club Bldg.
136 E. South Temple
S.L.C., UT 84111

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	744-054	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

J. E. [Signature]

4. DATE OF DELIVERY

SEP 07 1982

5. ADDRESS (Complete only if addressed)

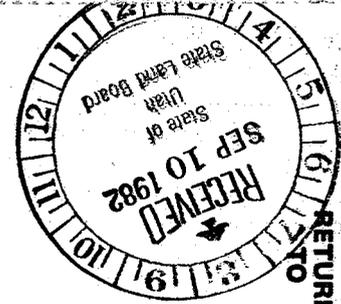
6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

ACT/007/001

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

GPO: 1978-288-848



RETURN TO

SENDER INSTRUCTIONS

OFFICIAL BUSINESS

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits.
- otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

UNITED STATES POSTAL SERVICE

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE: \$300



State of Utah
Natural Resources & Energy
Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114

(Name of Sender)

(Street or P.O. Box)

(City, State, and ZIP Code)

- STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE. CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)
1. If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, leaving the receipt attached; and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
 2. If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, date, detach and retain the receipt, and mail the article.
 3. If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article RETURN RECEIPT REQUESTED adjacent to the number.
 4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse RESTRICTED DELIVERY on the front of the article.
 5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in Item 1 of Form 3811.
 6. Save this receipt and present it if you make inquiry.
- * GPO: 1980 331-003



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 2, 1982

744-054

REGISTERED RETURN RECEIPT REQUESTED

Mr. Charles Jahne
Environmental Engineer
Sharon Steel Corporation
19th Floor, University Club Building
136 East South Temple
Salt Lake City, Utah 84111

RE: NOV #1 (N82-2-5-1)
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Dear Mr. Jahne:

Enclosed is a modification to NOV #1 (N82-2-5-1) extending the abatement deadline to September 10, 1982. The Division must receive complete and adequate plans by that date that address all of the deficiencies cited in Wayne Hedberg's letter dated August 27, 1982 and as discussed on-site by Wayne Hedberg, Tom Portle, Tom Munson and Mary Boucek on August 30, 1982. In light of the fact that adequate plans were first requested by NAOC #1 of 2 (82-2-5-2), 17 days prior to issuance of the violation, and two inadequate submittals have been received, the second set of plans containing several of the deficiencies cited in the first submittal, Sharon Steel has taken an unreasonable amount of time for the submittal of complete and adequate plans as required by NOV #1. The remedial action of NOV #1 also requires that the pond be reconstructed to abate the violations to UMC 817.46.

The Division will grant an administrative delay period for the portion of the abatement time taken for review. But as the construction season will be ending soon, the time for reconstruction of the pond should be considered, no more time extensions for the submittal of adequate plans will be granted. Sharon Steel is advised to locate a contractor for the work now since most of

Mr. Charles Jahne
ACT/007/011
September 2, 1982
Page 2

the design specifics for the project are known so that pond reconstruction can be initiated immediately upon final approval of the plans. The Division is allowing only 60 days from the date of approval of your final submittal for the reconstruction of the sediment pond. At that time, the reconstructed pond shall be completed and functioning as designed to provide sufficient environmental protection for abatement of NOV #1.

Your expediency will be valued in consideration of the job ahead. Please contact either Wayne Hedberg or myself immediately if there is any problem in meeting the above specified time frames. Our intentions, which may be similar to yours, are to help alleviate the sediment pond design deficiencies and, thereby, assist Sharon Steel/U. S. Fuel in achieving superior compliance at the King VI Mine yard in 1982. This achievement is close at hand, but the year is almost over, so the pressure's on.

Sincerely,



SANDY PRUITT
RECLAMATION OFFICER

SP/btb

Enclosure

cc: Tom Ennett, OSM
Jean Semborski, U. S. Fuel Company
Wayne Hedberg, DOGM

file



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

CLEON B. FEIGHT
Director

Modification of Notice or Order

To the Following Permittee or Operator:

Name US Fuel Co. - Hiawatha Complex
Mailing Address Hiawatha Complex, Hiawatha UT 84527
State Permit No. ACT/007/011

Utah Coal Mining and Reclamation Act, Section 40-10-1 et. seq., Utah Code Annotated (1953):

Notice of Violation No. N 82-2-5-1 82 1 dated 6/3, 1982.
Y TV

Cessation Order No. C _____ Y TV dated _____, 19____.

Violation No. 1 is modified as follows: Abatement Deadline extended until September 10, 1982 for the submitted & complete & adequate plans addressing deficiencies in the review letter dated 8/27/82 and as discussed during the 8/30/82 on-site meeting.

The reason for this modification are as follows: _____

Violation No. _____ is modified as follows: Administrative delay.

The reasons for this modification are as follows: _____

Date of Service 9/2/82 _____
Signature of Authorized Representative

Time of Service or Mailing 10:15 a.m. _____ p.m. _____
Name and I.D. No. Sandy Pruitt #2

P 324 744 050

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse) *ART/007/011*

DDGM

PS Form 3800, Apr. 1976

SENT TO	
<i>Jean Semborski</i>	
STREET AND NO.	
<i>Hiawatha Complex</i>	
P.O., STATE AND ZIP CODE	
<i>Hiawatha, UT 84527</i>	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	¢
SHOW TO WHOM AND DATE DELIVERED	¢
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	\$
POSTMARK OR DATE	

PS Form 3811, Jan. 1978

● **SENDER:** Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

- Show to whom and date delivered.
- Show to whom, date and address of delivery.
- RESTRICTED DELIVERY
- RESTRICTED DELIVERY

Show to whom and date delivered.

Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. **ARTICLE ADDRESSED TO:**
Jean Semborski
Hiawatha, UT 84527

3. **ARTICLE DESCRIPTION:**
REGISTERED NO. CERTIFIED NO. INSURED NO.
1324 744 050

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

Roy Anderson

4. DATE OF DELIVERY
AUG 26 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS
JA

POSTMARK
HIAWATHA
AUG 26 1982
UTAH

☆ GPO 1979-288-848

ART/007/011

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- If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, leaving the receipt attached, and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
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State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, \$300



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 25, 1982

P324 744 056
REGISTERED RETURN RECEIPT REQUESTED

Ms. Jean Semborski
U. S. Fuel Company
Hiawatha Complex
Hiawatha, Utah 84527

RE: August 19, 1982 Inspection
ACT/007/011
Carbon County, Utah

Dear Jean:

Although our poorly timed visit on August 19, 1982 prevented your availability for the inspection, this letter should keep you updated on compliance requirements resulting from the inspection.

The purpose of the inspection was in follow-up to several outstanding compliance problems. NOV #1 of 1 (N82-2-6-1) has been adequately abated and a termination notice is enclosed. NOV #1 of 1 (N82-2-5-1) is outstanding pending DOGM review of a July 8, 1982 deficiency response.

NAOC #1 of 2 (82-2-7-2) is abated with installation of the septic tank collection system. NAOC #2 of 2 remained unaddressed since substation repairs prevented U. S. Fuel from improving the channel design. Substation repairs appeared complete at the time of this inspection. Bob Eccli agreed to having the undersized pipe removed and the channel widened to the capacity of the unmodified stream channel within two weeks, or by September 2, 1982.

Ms. Jean Semborski
ACT/007/011
August 25, 1982
Page 2

Another compliance measure to be addressed by September 2, 1982 is removal of the drainage ditch from the water bar across the King VI mine access road below the bathhouse pad. All of these areas were discussed with Bob Eccli during the inspection, please contact me immediately if there are any questions or problems meeting the September 2 deadline.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sandy Pruitt".

SANDY PRUITT
RECLAMATION OFFICER

SP/btb

Enclosure

file Acc/0007/011



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

Vacation or Termination of Notice or Order

To the Following Permittee or Operator:

Name US Fuel Co.

Mailing Address Hawatha Complex Hawatha UT 84527

State Permit No. Acc/0007/011

Utah Coal Mining and Reclamation Act, Section 40-10-1 et. seq., Utah Code Annotated (1953):

Notice of Violation No. N 82-2-6-1 82 1 dated 6/10, 1982
Y TV

Cessation Order No. C _____ dated _____, 19____
Y TV

Violation No. 1 is hereby Terminated effectively 6/25/82 _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Date of Service 8/24/82 _____
Signature of Authorized Representative [Signature]

Time of Service or Mailing 12:00 a.m. p.m. _____
Name and I.D. No. Sandy Pruitt # 2

August 26, 1982

Inspection Memo
to Coal File

RE: Hiawatha Complex
U.S. Fuel Company
ACT/007/011
Carbon County, Utah

Barton Kale and Sandy Pruitt of the Division conducted a partial inspection of the Hiawatha Complex on August 19, 1982. Bob Eccli, U.S. Fuel, accompanied the inspectors on a brief tour (due to his time constraints) of the Middle Fork and South Fork mine yards. Sharon Green and Larry Catten, Natural Resources Personnel Department, were present to review the Inspectors' responsibilities and job performance. Compliance measures required by NAOC (82-2-7-2) and NOV (N82-2-6-1) were inspected.

NAOC #1 of 2 (82-2-7-2), was adequately abated with the installation of a 2,500 gallon septic tank in the Western Coal Carriers yard. The tank will be used to collect floor drainage contaminated by petroleum and solvents from truck maintenance and steam cleaning in the shop building. The volume of drainage collected in the septic tank will be monitored and when full, the tank will be pumped dry by a septic tank cleaning service. Any overflow from the tank will drain into the adjacent catch basin.

Mr. Eccli informed inspectors that NAOC #2 of 2 (82-2-7-2) could not be addressed as any stream channel modification work would interfere with necessary repair work on the substation. This work appeared complete at the time of this inspection. Mr. Eccli agreed to have the six-inch pipe removed and the stream channel re-established to the same capacity as that of the unmodified channel [as required by UMC 817.44 (b)(1) & (2)] no later than September 2, 1982.

NOV #1 of 1 (N82-2-6-1), was adequately abated for termination. The extensive ponding resulting from ROM coal drainage to the west of the ROM conveyer had been alleviated during miner's vacation and with the establishment of a better drainage grade. Water ponding to the east of the ROM conveyer drains into the drop drains to the north and south of the conveyer above the truck loadout.

Improvements at the King VI mine yard consisted of paving the mine access/haul road and truck turn around, the installation of rock headwalls for the road drainage culverts [as required by stipulation #7-81-5(f)] and surface grade improvements which included backfilling of the King II portal to minimize ponding above the south fork of Miller Creek, thereby minimizing the potential for berm breaches or overflow into the undisturbed drainage below, as has occurred before.

HIAWATHA COMPLEX
ACT/007/011
August 26, 1982
Page Two

A water bar across the access road just below the bathhouse pad was permanently established in the road pavement. To the surprise of Mr. Eccli, a drainage ditch from the water bar had been constructed to drain mine area runoff downslope to the south fork of Miller Creek. There was no immediate evidence of off site drainage having occurred. Mr. Eccli committed to removing the ditch immediately; no later than September 2, 1982.

Due to the limited time constraints, a thorough inspection could not be conducted as appeared necessary. The operator is advised that the maintenance of drainage control structures appeared poor upon cursory examination. Ms. Semborski has been sent a letter regarding inspection results and compliance requirements. No violations were issued.

SANDY PRUITT *SP*
RECLAMATION OFFICER

SP/tck

cc: Tom Ehmett, OSM
Jean Semborski, U.S. Fuel
Sharon Green, Department of Personnel
Inspection Staff

Statistics:

See J.B. King memo dated August 25, 1982

August 26, 1982

Inspection Memo
to Coal File

RE: Hiawatha Complex
U.S. Fuel Company
ACT/007/011
Carbon County, Utah

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HIAWATHA COMPLEX
ACT/007/011
August 26, 1982
Page Two

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SANDY PRUITT 
RECLAMATION OFFICER

SP/tck

cc: Tom Ehmett, OSM
Jean Semborski, U.S. Fuel
Sharon Green, Department of Personnel
Inspection Staff

Statistics:

See J.B. King memo dated August 25, 1982

July 22, 1982

Inspection Memo
to Coal File

RE: Hiawatha Complex
U.S. Fuel Company
ACT/007/011
Carbon County, Utah

A partial inspection of the Hiawatha mine yards was conducted by Sandy Pruitt on July 7, 1982, with Jean Semborski of U.S. Fuel Company, in follow-up to NOV #1 (N82-2-6-1), and several other concerns.

A cattle fence is being constructed along the north fork access road. Problems observed up the north fork Miller Canyon were minor, but should not be neglected. The temporary storage of cribbing and metal frames on the pad should be controlled to prevent an accumulation. Straw bales staked down for treating the mine discharge are still in need of repair from degradation. The mine water pipe leaks, but the water appears clear and erosion appears stabilized because it is filtered by vegetation and slowed by small depressions along the drainage course. The leak of mine water may be considered as a wildlife enhancement feature since the leak returns a portion of the perennial stream waters to the dry section of the stream in between the collection box and the discharge point. Ms. Semborski informed me that U.S. Steel planned on making repairs to the mine water collection system in the near future. I requested that she determine a more definite time.

NOV #1 at the Middle Fork mine yard, had been addressed as of June 16, 1982, but not adequately abated. The culvert for the drop drain south of the conveyer had been replaced and the drain appeared clear of obstruction. A large berm was constructed behind the drain to prevent bypass downslope. During repairs runoff water was diverted by a berm under the ROM conveyer to the drop drain on the north side of the conveyer. The berm was not removed at the time of this inspection. The violation could not be terminated until this obstruction was removed, so the portal and storage area south of the conveyer drained into the southern drop drain as designed. Ms. Semborski called on July 8, 1982, to inform DOGM that this abatement was completed on July 7, 1982. No follow-up has been conducted yet.

The straw bales used to treat drainage contaminated by petroleum from the Western Coal Carrier Shed, appeared to be functioning well; temporarily. Plans for using a septic tank to collect the drainage were approved on June 23, 1982. Ms. Semborski was not sure of the schedule for compliance with the plans. I requested that she determine if the septic tank had been ordered yet and present proof of U.S. Fuel's efforts toward compliance by the next inspection.

U.S. FUEL COMPANY
ACT/007/011
July 22, 1982
Page 2

The drainage system up South Fork was inspected and pictures taken for the determination of compliance with stipulation 7-81-5 (d), which requires a two foot layer of well compacted fill over each culvert; and (f), which requires rock headwalls at the inlet ends of all culverts. These sections of the stipulation allegedly arise from U.S. Fuels mine plan but have not been complied with. Only the main bypass culvert, the PVC pipe inlet, and the drainpipe under the conveyer at the upper deer crossing, are considered to have adequate erosion protection at the inlet. Ms. Semborski was informed that the stipulation would not be terminated until the rock headwalls are constructed as required. Discharge structures appeared adequate where necessary. No culverts had two feet of compacted fill. U.S. Fuel is planning on paving the road next week. This may provide adequate protection. In reasoning that a crushed culvert would need to be replaced by U.S. Fuel if there was adequate fill or not, this inspector chose not to strictly enforce the stipulation.

Ms. Semborski was reminded of a condition accompanying termination of NAOC #2 of 2, (82-2-5-2) which is the establishment of a permanent grade draining the pad area in front of the King #2 portal, back from the berm over the creek, to prevent a reoccurrence of excessive ponding in that area.


SANDY PRUITT
FIELD SPECIALIST

SP/tck

cc: Tom Ehmett, OSM
Jean Semborski, U.S. Fuel
Inspection Staff

Statistics:

Vehicle: EX #455428 - - 667 miles
Per diem: one person X one day, 13.5 hours = \$60.78
Grant: A & E

File Act/007/011



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
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MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

CLEON B. FEIGHT
Director

Modification of Notice or Order

To the Following Permittee or Operator:

Name US Fuel Co. - Hiawatha Complex

Mailing Address Hiawatha Complex, Hiawatha, UT 84527

State Permit No. ACT/007/011

Utah Coal Mining and Reclamation Act, Section 40-10-1 et. seq., Utah Code Annotated (1953):

Notice of Violation No. N 82-2-5-1 82 1 dated 6/3, 1982
Y TV

Cessation Order No. C _____ Y TV dated _____, 19____.

Violation No. 1 is modified as follows: Abatement Deadline extended 30 days until July 11, 1981.

The reason for this modification are as follows: Allow time for submittal of complete & adequate plans.

Violation No. _____ is modified as follows: adequate plans.

The reasons for this modification are as follows:

Violation No. _____ is modified as follows:

The reasons for this modification are as follows:

Date of Service 6/21/82

[Signature]
Signature of Authorized Representative

Time of Service or Mailing 4:45 a.m. X p.m.

[Signature]
Name and I.D. No. Sindy Pruitt # 2

June 22, 1982

Inspection Memo
to Coal File:

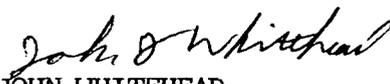
RE: U. S. Fuel Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Sandy Pruitt and John Whitehead of the Division conducted a follow-up inspection with Jean Semborski of U. S. Fuel on June 16, 1982. The purpose of the inspection was follow-up on NAOC 82-2-7-2 and NOV 82-2-6-1.

A series of straw bales had been secured across the channel draining the subsurface seep from the Western Coal Carriers pad/timber storage yard area into the South Fork of Miller Creek as requested in the remedial action of NAOC 82-2-7-2, #1 of 2. This was adequate for temporary treatment. The source of the petroleum pollution was verified by Jean Semborski as coming from a buried pipe conducting floor drainage from the Western Coal Carrier shed. Permanent plans for solution of this problem were verbally presented by Jean Semborski. The plans included installation of a sump to collect floor drainage along with draining the sump as necessary.

Remedial action for #2 of 2 for NAOC 82-2-7-2 requires that plans be submitted outlining the abatement measures which were proposed verbally.

In an update to compliance on NOV #1 (82-2-6-1), Jean Semborski reported that the berm to the south of the conveyor at the Middle Fork pad has been repaired and that a new drainage culvert would be installed to replace the previous culvert (which had been crushed) within the next few days. Also, the eroded downslope below the berm had been regraded as much as possible. Due to time constraints, inspectors did not inspect this partial abatement action. The abatement deadline is June 25, 1982.


JOHN WHITEHEAD
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Jean Semborski, U. S. Fuel Company
Inspection Staff

JW/btb

Statistics:

See Beaver Creek Coal Company memo dated June 18, 1982
Grant: A & E

file Act/007/011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS & MINING

1588 West North Temple
Salt Lake City, Utah 84116
Telephone: (801) 533-5771

NOTICE OF VIOLATION NO. N 82-2-6-1

From the STATE OF UTAH
To the Following Permittee or Operator:

NAME US Fuel Co.
 MINE Hiawatha SURFACE UNDERGROUND OTHER _____
 CATEGORY OF OWNERSHIP: STATE FEDERAL FEE MIXED
 OSM MINE NO. _____ STATE PERMIT NO. ACT/007/011 MSHA I.D. NO. _____
 COUNTY AND STATE Carbon, Utah TELEPHONE 637-2253
 MAILING ADDRESS: Hiawatha Complex, Hiawatha UT 84527
 DATE OF INSPECTION 6/9-10, 19 82.
 TIME OF INSPECTION: FROM 10:30 a.m. to 4:15 a.m. 6/9/82
 p.m. p.m.
 NAME OF OPERATOR (if other than permittee) _____
 MAILING ADDRESS: _____

Under the authority of the Utah Coal Mining and Reclamation Act of 1979 (Sec. 40-10-1 et seq., Utah Code Annotated, 1953), the undersigned authorized representative of the Director and the Division of Oil, Gas & Mining has conducted an inspection of the above mine on the above date and has found violation(s) of the Act, the regulations or required permit condition(s) listed in the attachment(s). This Notice constitutes a separate Notice of Violation for each violation listed.

You must abate each of these violations within the designated abatement time. You are responsible for doing all work in a safe and workmanlike manner.

The undersigned representative finds that cessation of mining is is not expressly or in practical effect required by this Notice. For this purpose "Mining" means extracting coal from the earth or a waste pile and transporting it within or from the minesite.

This Notice shall remain in effect until it expires as provided on the reverse or is modified, terminated or vacated by written notice of an authorized representative of the Director of the Division of Oil, Gas & Mining. The time for abatement may be extended by the authorized representative for good cause, if a request is made within a reasonable time before the end of the abatement period.

Date of Service 6/10/82 _____
SIGNATURE OF AUTHORIZED REPRESENTATIVE Sandy Pruitt

Time of Service 11:15 a.m. p.m. _____
NAME AND I. D. NO. Sandy Pruitt #2

Person Served with Notice _____
PRINT NAME AND TITLE Sean Sembroski, Engineering Assistant

Signature Sean Sembroski

IMPORTANT — PLEASE READ REVERSE OF THIS PAGE



STATE OF UTAH

Notice of Violation No. N 82-2-6-1

Violation No. 1 of 1

Nature of the Violation

Failure to maintain sediment control structures to prevent erosion.

Provision(s) of the Regulations, Act, or Permit Violated

UCA 40-10-22 (1)(c)

UCA 40-10-17 (2)(d)

UMC 817.45

Portion of the Operation to which Notice Applies

Eroded downslope above the truck loadout pad up Middle Fork.

Remedial Action Required (including interim steps, if any)

1. Maintain the berm & trap drain south of the conveyor to adequately drain the conveyor area & keep pad drainage off the downslope.
2. ~~Regravel~~ the eroded downslope. & stabilize

Time for Abatement (including time for interim steps, if any)

No later than 8:00 AM, 6/21/82.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas, and Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building - Salt Lake City, UT 84114 • 801-533-5771

June 3, 1982

Mr. Charles [redacted]
Sharon Stebbins
19th Floor, University Club Bldg.
136 East South Temple
Salt Lake City, Utah 84111

RE: NOV #N82-2-5-1
King VI Mine-Hiawatha
U.S. Fuel Company
ACT/007/011

Dear Mr. [redacted]:

Enclosed is a notice of violation (NOV #N82-2-5-1) resulting from a failure to meet the compliance requirements of NAOC #1 of 2 (82-2-5-2) by May 31, 1982, mutually agreed upon in a phone conversation of May 14, 1982. A two-day period, until June 3, 1982, was unofficially granted to allow more time, during the holiday, for the required submittal. U.S. Fuel has still failed to address the warning. Strict enforcement of the regulations is, therefore, necessary.

The duplicative of the unaddressed portion of NAOC #1 of 2 (82-2-5-2). The new deadline, June 11, 1982 at 5:00 P.M., may allow more time to complete an adequate submittal.

Please contact me with your questions, concerns and complaints.

Respectfully,

SANDY PRUITT
RECLAMATION OFFICER

2 Enclosures

SP/mn



STATE OF UTAH

Notice of Violation No. N 82-2-5-1

Violation No. 1 of 1

Nature of the Violation

Failure to construct sediment pond in accordance with approved plans.
Failure to prevent short circuiting or out flow through the emergency spillway during runoff events resulting from 10 year 24 hour precipitation events or lesser events.
Failure to design or construct stable embankment slopes.

Provision(s) of the Regulations, Act, or Permit Violated

UCA 40-10-22 (1)(c)
UCA 40-10-18 (2)(i)(ii)
UMC 771.11
UMC 817.45
UMC 817.46 (e), (g), (m)

Portion of the Operation to which Notice Applies

Sediment pond for King VII loadout / truck turnaround

Remedial Action Required (including interim steps, if any)

Option 1: Submit supportive evidence proving that the pond is in fact constructed as required & in accordance with the approved design plans submitted 4/29/81, that the embankments are stable, that water in the pond will not short circuit through the emergency spillway or by infiltration OK (refer to attachment)

Time for Abatement (including time for interim steps, if any)

No later than 5:00 PM, June 11, 1982.



STATE OF UTAH

Notice of Violation No. N 82-2-5-1

Violation No. 1 of 1

(Continued)

Nature of the Violation

Provision(s) of the Regulations, Act, or Permit Violated

Portion of the Operation to which Notice Applies

Remedial Action Required (including interim steps, if any) (Cont.)

Option 2: OR Submit plans for reconstruction of the sediment pond that
are complete & adequately address all design requirements
of UMC 817.46. Reconstruct the sediment pond only in
accordance with those plans once approved by DORM.

Time for Abatement (including time for interim steps, if any)

No later than 5:00 PM, June 11, 1982.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 1, 1982

Ms. Jodie Merriman
Reclamation Specialist
Office of Surface Mining
Reclamation and Enforcement
219 Central Avenue, NW
Albuquerque, New Mexico 87102

RE: 10-Day Notice #X-82-5-2-2
U. S. Fuel Company
Hiawatha - King VI
ACT/007/011
Carbon County, Utah

Dear Jodie:

Thank you for the 10-day notice. I think it will hasten an understanding between DOGM and OSM regarding DOGM's warning policy which was recently formulated in an effort to establish more cooperation from the mine operators in achieving rapid compliance to violations.

The berm breach subject to the violation was first observed during the inspection Thursday, May 13, 1982. No mine personnel were available at that time. Mr. Charles Jahne, Environmental Engineer for Sharon Steel (U. S. Fuel's parent company) was notified of the compliance problem on Friday, May 14, 1982, and it was required that the berm breach be repaired immediately, but no later than Monday, May 17, 1982. Additional work required repairing the damage by cleaning up the material deposited in the South Fork of Miller Creek from the untreated pad drainage, no later than May 21, 1982, and preventing a reoccurrence of the problem by surfacing the pad and maintaining ditches to adequately drain the area and minimize ponding at the base of the berm over the creek. This preventative action was to be completed no later than May 28, 1982.

The Notice of Area of Concern (NAOC) #2 of 2, (82-2-5-2) documents these requirements. If the mine operator fails to meet the requirements by the prescribed deadlines or with a reoccurrence of the drainage problem, a violation would be issued subject to a knowing and willful negligence

Ms. Jodie Merriman
ACT/007/011
June 1, 1982
Page 2

penalty. The deadlines specified in the NAOC are determined by the inspector (and agreed to by the operator) as the minimal amount of time necessary to adequately complete the abatement work. Generally, no extensions are granted without due cause, therefore, insuring rapid abatement of the problem.

An inspection was conducted by Ken Wyatt on May 19, 1982, at which time the berm was repaired as required. Dave Lof and Sandy Pruitt inspected the area on May 25, 1982, the deposit in the drainage was removed, the deposit on the downslope below the breach was also cleaned up and the slope graded, the access road to the drainage was recontoured for reclamation (mulch has been required for interim stabilization, the regraded areas will be seeded in fall) and pad surfacing was underway. An inspection will be conducted to insure that adequate drainage control has been implemented to minimize ponding on the pad as a preventative measure.

The violation was abated as of Monday, May 17, 1982. No additional untreated discharge through the breach was observed at the time of the May 13, 1982, inspection or since. The additional clean-up work and preventative action should diminish damage to the creek. A violation will be issued when it is determined any time hereafter that the preventative measures required in the NAOC are not adequately maintained, irregardless if a berm breach reoccurs.

I hope this reponse to your 10-day notice (received May 26, 1982) adequately describes DOGM's regulatory action following the May 13, 1982, inspection. Please keep me informed of OSM's intentions in this matter.

Sincerely,



SANDY PRUITT
RECLAMATION OFFICER

cc: Jack Feight, DOGM
Joe Helfrich, DOGM
NOV File

SP/btb

June 8, 1982

Inspection Memo
to Coal File:

RE: U. S. Fuel Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Dave Lof and Sandy Pruitt of the Division conducted a follow-up inspection to NAOC group 82-2-5-2 on May 25, 1982. Bob Eccli, U. S. Fuel, accompanied the inspectors on a tour of the South Fork mine yard.

The breach in the berm above the Left Fork of Miller Creek was repaired as required. Material deposited in the creek and on the downslopes from pad drainage through the breach had all been retrieved as required. A road which was cut into the downslope below the substation for access to the stream channel had been regraded to the original contour. This regraded area and the downslope above the culvert should be mulched for erosion control and stabilization of the disturbance. The pad surface in front of the abandoned portal was being elevated at the time of this inspection, but the surface material was too wet to handle adequately to achieve the final surface grade. So, inspectors requested that the area be graded to drain the material and prevent ponding at the base of the berm by May 31, 1982. The permanent grade should be constructed no later than June 18, 1982. The section of the Left Fork of Miller Creek at the base of the loadout sediment pond was cleared of all obstruction as required. No plans for reconstruction of the sediment pond have been received as of this writing.

The topsoil stockpile on the King VI Mine yard next to the abandoned portal has been relocated to the Lamb's trailer and is being stockpiled in accordance with the criteria specified in a letter from Tom Portle dated December 14, 1981.

SANDY PRUITT 
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Jean Semborski, U. S. Fuel
Inspection Staff

SP/btb

Statistics:

Vehicle: #EX 45421--397 miles
Per Diem: None!
Grant: A & E

UNITED STATES DEPARTMENT OF THE INTERIOR
Office of Surface Mining
Reclamation and Enforcement
TEN-DAY NOTICE

Originating Office: New Mexico State Office
219 Central, N.M.
Albuquerque, N.M. 87102
Telephone Number: (505) 766-1489

Number: X-82 - 5 - 2 - 7 TV 1

Ten-Day Notice to the State of Utah

You are notified that, as a result of 5-13-82 Federal Oversight Inspection, (e.g. a federal inspection, citizen information, etc.) the Secretary has reason to believe that the person described below is in violation of the Act or a permit condition required by the Act. If the State Regulatory Authority fails within ten days after receipt of this notice to take appropriate action to cause the violation(s) described herein to be corrected, or to show cause for such failure and transmit notice of your action to the Secretary through the originating office designated above, then a Federal inspection of the surface coal mining operation at which the alleged violation(s) is occurring will be conducted and appropriate enforcement action as required by Section 521(a)(1) of the Act will be taken.

Permittee: U.S. Fuel Company County: Carbon Surface
(Or Operator if No Permit)
Mailing Address: Hiawatha, UT 84527 Underground
Permit Number: ACT 1007/011 Mine Name: Hiawatha-King Other

NATURE OF VIOLATION AND LOCATION: UMC 817.41(a), 817.42(a)(i) and
817.45(i) Because of a breached berm, pad
drainage was allowed to flow directly into the left fork of
Miller Creek Section of State Law, Regulation or Permit
Condition believed to have been violated:

NATURE OF VIOLATION AND LOCATION: _____
Section of State Law, Regulation or Permit
Condition believed to have been violated:

NATURE OF VIOLATION AND LOCATION: _____
Section of State Law, Regulation or Permit
Condition believed to have been violated:

Remarks or Recommendations: The State's abatement measures as written
in the NAOC (a warning form) are adequate to correct the
problem.

Date of Notice: 5-24-82 Signature of Authorized Rep: Jodie Merriman
Print Name and ID: Jodie Merriman #2

PS Form 3811, Jan. 1978

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

- Show to whom and date delivered.....
- Show to whom, date and address of delivery.....
- RESTRICTED DELIVERY
Show to whom and date delivered.....
- RESTRICTED DELIVERY.
Show to whom, date, and address of delivery..\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
CHARLES JAHNE
 14th Floor, University Club Bldg.
 136 E. South Temple
 S.L.C. UT 84111

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	324 741 388	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

M. Meeker

4. DATE OF DELIVERY: **MAY 18 1982**

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

☆GPO : 1979-288-848

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

P 324 741 388
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse) *AC1/007/011*

SENT TO
Charles Jahne
 STREET AND NO.
136 E. South Temple, 14th Floor
 P.O., STATE AND ZIP CODE
S.L.C. UT 84116

POSTAGE \$

CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢
	SPECIAL DELIVERY	¢
	RESTRICTED DELIVERY	¢
	OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED.	¢
	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢

TOTAL POSTAGE AND FEES

POSTMARK OR DATE

ROOM

2082

PS Form 3800, Apr. 1976

UNITED STATES POSTAL SERVICE
 OFFICIAL BUSINESS

SENDER INSTRUCTIONS

- Print your name, address, and ZIP Code in the space below.
- Complete items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits.
- Otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RETURN TO

(City, State, and ZIP Code)

(Street or P.O. Box)

(Name of Sender)

State of Utah
 Natural Resources & Energy
 Oil, Gas, & Mining
 4241 State Office Building
 Salt Lake City, Utah 84114

PERMIT NO. 1500
 USE TO AVOID PAYMENT
 OF POSTAGE & FEE

U.S. MAIL

- STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)**
- If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, leaving the receipt attached, and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
 - If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, date, detach and retain the receipt, and mail the article.
 - If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
 - If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
 - Enter fees for the services requested in the appropriate squares on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.
 - Save this receipt and present it if you make inquiry.

GPO : 1980 331-003



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 17, 1982

#P 324 741388
REGISTERED RETURN RECEIPT REQUESTED

Mr. Charles Jahne
Environmental Engineer
Sharon Steel Corporation
19th Floor, University Club Building
136 East South Temple
Salt Lake City, Utah 84111

RE: NAOC 82-2-5-2
Hiawatha Complex
U. S. Fuel Company
ACT/007/011
Carbon County, Utah

Dear Mr. Jahne:

Enclosed are the two NAOC (Notice of Area of Concern) forms that we discussed at length on the phone on May 14, 1982, and resulting from inspections on May 4, May 11 and May 13, 1982. The abatement requirements and deadlines specified are as agreed upon May 14, 1982, and should be complied with to avoid violations under the sections cited.

I hope we can continue to cooperate (with a little less effort) in the future.

Sincerely,

SANDY PRUITT
FIELD SPECIALIST

Enclosures

cc: Jean Saborski, U. S. Fuel Company
Jodie Merriman, Office of Surface Mining

SP/btb

June 8, 1982

Inspection Memo
to Coal File:

RE: U. S. Fuel Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Jodie Merriman and Frank Atencio, OSM, and Ken Wyatt and Sandy Pruitt of the Division, conducted a partial inspection of the King VI Mine area on May 11, 1982 with Jean Semborski and on May 13, 1982 (unaccompanied with permission) in follow-up to NOV #1 (N82-7-2-1). The NOV was abated with the establishment of a water bar across the road below the shop/warehouse pad that diverted disturbed area runoff along the conveyor and then into the mine yard sediment pond. The ditch and culvert along the truck turnaround/loadout was cleared of obstruction and would divert runoff to the loadout sediment pond. NOV #1 was terminated effectively April 30, 1982 on May 11, 1982.

Additional compliance work was required as a result of this inspection. The South Fork of Miller Creek (an intermittent stream) was flowing at about 50 gpm on May 13, 1982, but flow was obstructed along the King VI loadout pond by embankment material sidecast into the channel during pond reconstruction in December 1981 and winter sloughage off the uncompacted embankment out slopes. The results of samples taken in South Fork Miller Creek indicate additional contributions of sediment from 41 ppm TSS above the pond to 222 ppm TSS 30 feet below the pond. Extensive tension cracks on the southern embankment of the sediment pond indicate that more material will probably slough into the creek channel and requires determination of the embankment's stability particularly of the extended section east of the decant pipe where most of the water is impounded. The emergency spillway is lower than the principal decant pipe but fortunately the impounded water level, although about one foot below the spillway, had not risen to the decant pipe where it may circuit through loose material around the pipe and create a breach in the pond. In addition, the pond may leak by infiltration due to inadequate compaction. (It wasn't definite at the time of the inspection whether wet spots on the pond out slope resulted from pond seepage or recent snowmelt. No seepage flow was observed.)

To address these concerns NAOC #1 of 2 (82-2-5-2) was issued on May 14, 1982 for the inappropriate design and construction of the sediment pond (UMC 817.46[e][g]). The compliance action and deadlines agreed to by Chuck Jahne of Sharon Steel require:

1. Removal of all embankment material that is obstructing flow in the Left Fork of Miller Creek drainage channel by May 19, 1982.

2. Submit supportive evidence proving that the pond is, in fact, constructed as required and in accordance with the approved design plans submitted May 29, 1981, that the embankments are stable, that the water in the pond will not short-circuit through the emergency spillway or by infiltration or submit plans for reconstruction of the sediment pond that are complete and adequately address all design requirements of 817.46. Reconstruct the sediment pond only in accordance with those plans once approved by DOGM. The submittals must be received by DOGM no later than May 31, 1982.

An expeditious review of the submittal will allow for timely reconstruction improvements. This inspector persistently recommended that the pond be dewatered on May 18, 1982 to allow the embankment material time to dry. Mr. Jahne, not having seen the pond recently, vehemently disagreed with this recommendation and has recently (during a meeting May 24, 1982) proposed elongating the pond while it still impounded water. This proposal will be closely scrutinized by the DOGM technical staff and, if inadequate, immediate pond dewatering will be required.

Excessive ponding in front of the sealed King #2 portal in the King VI Mine yard was somewhat diminished by unlawful discharge through a berm breach into the South Fork of Miller Creek. The untreated pad drainage deposited an average of four to six inch layer of material (up to one foot deep in places) on top of the snow in the creek channel and on the downslope below the pad. Water samples from the South Fork in Miller Creek contained 37 ppm TSS and 6 ppm VSS (volatile suspended solids) above the mine yard which increased to 125 ppm TSS and 50 ppm VSS approximately 300 feet downstream from the discharge point and directly downstream from the deposition. Most of the stream degradation had already occurred at the time of the inspection, although the breach had not yet been repaired, no discharge was occurring. NAOC #2 of 2 (82-2-5-2) was issued on May 14, 1981 for failure to design and maintain sediment control measures to prevent additional contributions of sediment to streamflow (UMC 817.45) which requires:

1. Repair the berm by May 17, 1982.
2. Retrieve the material deposited from the pad drainage in the stream channel by May 21, 1982.
3. Elevate the pad surface, heighten the berm and enlarge the drainage ditch to adequately drain the pad area retaining all disturbed area runoff from the creek by May 28, 1982.

INSPECTION MEMO TO COAL FILE
ACT/007/011
June 8, 1982
Page 3

The results of additional water samples taken along the South Fork in Miller Creek indicate fluctuations in water quality from above the King VI Mine yard to the base of the South Fork where TSS was only 5 ppm and VSS less than 3 ppm. This indicates significant sedimentation of the stream channel resulting from the disturbances upstream. Ken Wyatt compiled a graph of the water quality relative to stream distance (see attachment).

SANDY PRUITT 
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Jean Semborski, U. S. Fuel
Wayne Hedberg, DOGM
Inspection Staff

SP/btb

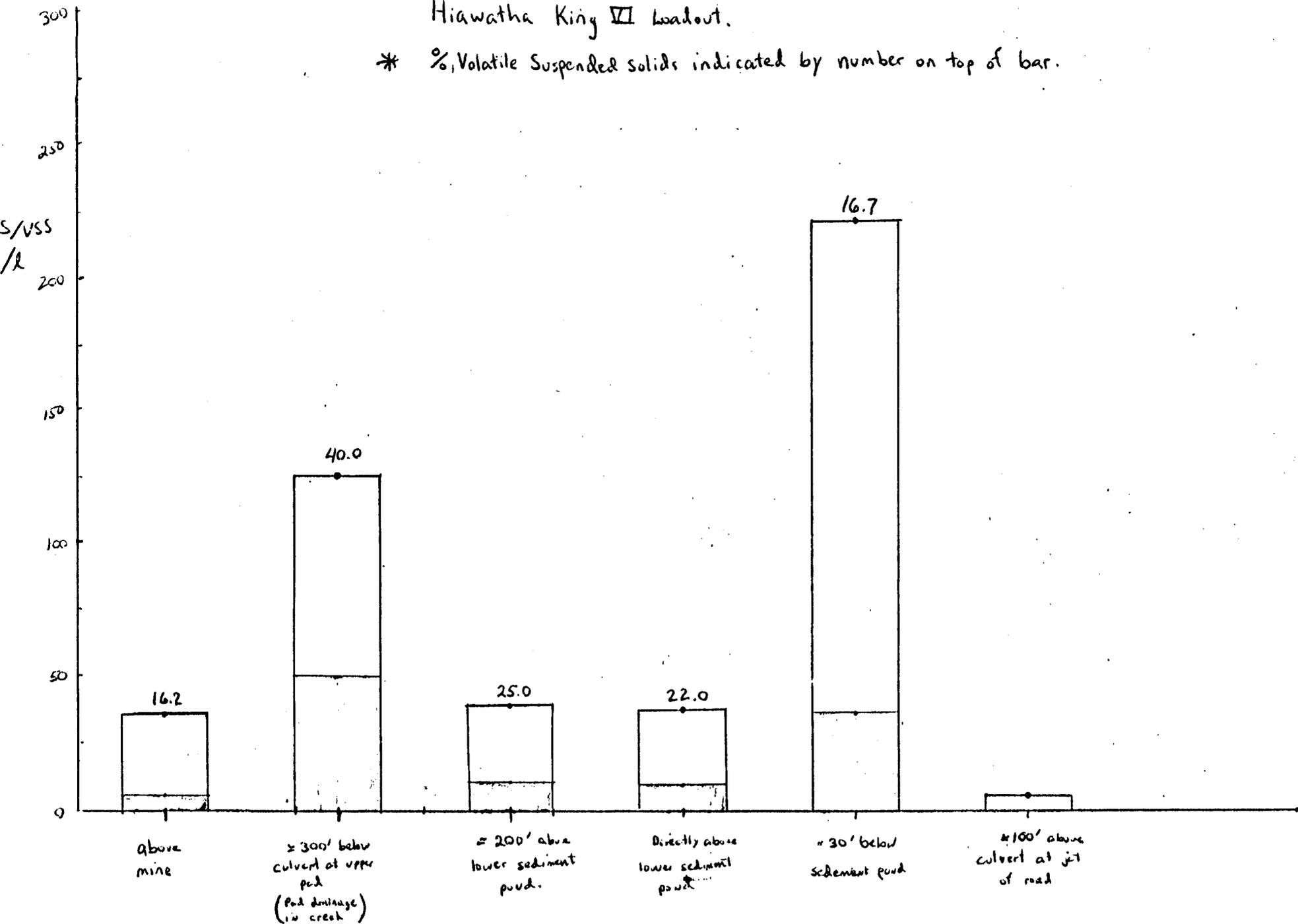
Statistics:

See Trail Mountain memo dated June 8, 1982
Grant: A & E

Suspended Solids / Volatile Suspended Solids vs. Stream distance.

Hiawatha King \square loadout.

* % Volatile Suspended solids indicated by number on top of bar.





SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

Vacation or Termination of Notice or Order

To the Following Permittee or Operator:

Name U.S. Fuel Company Hiawatha Mine

Mailing Address Hiawatha Utah 84527

State Permit No. ACT/007/011

Utah Coal Mining and Reclamation Act, Section 40-10-1 et. seq., Utah Code Annotated (1953):

Notice of Violation No. N 82-7-2-1 82 i dated April 6, 19 82
Y TV

Cessation Order No. C _____ Y TV dated _____, 19 _____

Violation No. 1 is hereby Terminated _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Violation No. _____ is hereby _____ Terminated _____ Vacated because:

Date of Service May 11, 1982 Kenneth W Wyatt #7
Signature of Authorized Representative

Time of Service or Mailing 320 a.m. p.m. Kenneth W Wyatt #7
Name and I.D. No.

effective April 30, 1982

P 324 741 421

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse) *ACT/007/011*

SENT TO		<i>JEAN Semboreski</i>	
STREET AND NO.			
P.O., STATE AND ZIP CODE		<i>HIAWATHA, UT 84527</i>	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE		c
	SPECIAL DELIVERY		c
	RESTRICTED DELIVERY		c
	RETURN RECEIPT SERVICE		c
	SHOW TO WHOM AND DATE DELIVERED		c
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		c	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		c	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		c	
TOTAL POSTAGE AND FEES		\$ <i>10</i>	
POSTMARK OR DATE		<i>MAY 11 1982</i>	

PS Form 3811, Jan. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

- Show to whom and date delivered. c
- Show to whom, date and address of delivery. c
- RESTRICTED DELIVERY
Show to whom and date delivered. c
- RESTRICTED DELIVERY.
Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
JEAN Semboreski
U.S. Fuel Company
HIAWATHA, UT 84527 *SNB*

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	<i>324741421</i>	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

[Signature]

DATE OF DELIVERY
MAY 11 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS
BL

- STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)
- If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, leaving the receipt attached, and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
 - If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, date, detach and retain the receipt, and mail the article.
 - If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. For back of article RETURN RECEIPT REQUESTED adjacent to the number.
 - If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse RESTRICTED DELIVERY on the front of the article.
 - Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the appropriate boxes in Part 1 of Form 3811.
 - Save this receipt and present it if you should be called.

GPO: 1980 331-003

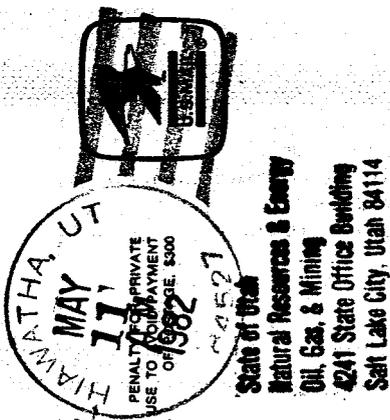
UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS
Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



RETURN TO



State of Utah
Natural Resources & Energy
Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114

(Name of Sender)

(Street or P.O. Box)

(City, State, and ZIP Code)



STATE OF UTAH
 NATURAL RESOURCES & ENERGY
 Oil, Gas & Mining

Scott M. Matheson, Governor
 Temple A. Reynolds, Executive Director
 Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 10, 1982

#P324 741421

REGISTERED RETURN RECEIPT REQUESTED

Ms. Jean Semborski
 U. S. Fuel Company
 Hiawatha Complex
 Hiawatha, Utah 84527

RE: NAOC 82-2-4-2
 ACT/007/011
 Carbon County, Utah

Dear Jean:

Enclosed are two NAOC (Notice of Area of Concern) forms (group number 82-2-4-2) resulting from the May 4, 1982, inspection. These compliance problems and required abatements were discussed at the time of the inspection and the deadline specified on the NAOC's is the same date that we agreed upon on May 4, 1982. I will be working with Tom Portle and Chuck Jabne on the other concerns (regarding topsoil protection and the King VI sediment pond) we discussed during the inspection. I'll be sure to keep you updated with a copy of the inspection memo.

Sincerely,

SANDY PRUITT
 RECLAMATION OFFICER

Enclosures

SP/btb

June 8, 1982

Inspection Memo
to Coal File:

RE: U. S. Fuel Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

Sandy Pruitt of the Division and Jean Semborski of U. S. Fuel inspected the Middle Fork mine yard and the South Fork development on May 4, 1982. Several potential compliance problems observed will be addressed as a result of this inspection.

Excessive ponding along the conveyor on the Middle Fork mine yard has prevented maintenance of the pad surface grade and removal of stockpiled coal cleared from underneath the conveyor (which impedes access and drainage and which is actually a cause of the ponding problem). Disturbed area runoff is not being adequately diverted through the mine area and there is evidence that runoff from the mine pad south of the conveyor has overflowed the drop drain, breached the berm on the crest of the slope and scoured a gully about three to six feet deep and two and one-half feet wide on the downslope to the truck loadout. At the time of the inspection, the drain and berm were well maintained and no runoff was flowing downslope, but it was recommended that the pad are be drained to minimize the potential for another overflow and to allow for access to the area for removal of the coal and maintenance of sediment control structures (ditches, drop drains and berms). NAOC #2 of 2 (82-2-4-2) was issued from the office on May 5, 1982, and requires maintenance of sediment control structures to minimize erosion in accordance with UMC 817.45 no later than June 3, 1982. The NAOC also requires that the heavily eroded inlet to the Middle Fork sediment pond be reestablished into a main conveyance channel that is protected with channel lining and energy dissipators by June 3, 1982.

The overland flow diversion pipe above the King VI loadout/truck turnaround was not yet completed to the approved design. NAOC #1 of 2, (82-2-4-2) requires the diversion to be totally completed in accordance with the approved plans no later than July 1, 1982.

The topsoil at the base of the stockpile located on the King VI mine yard appeared contaminated by snow/waste off the pad. The stockpile is evidently in the way of operations and with concern for the contamination problem, this inspector informally requested plans for relocation of the stockpile. U. S. Fuel had proposed redistributing the topsoil on the steep downslopes below the parking lot, but protection would be difficult here and a more feasible location would be in consolidation with the topsoil stockpiled in the Lamb's trailer area (approximately one-third mile up the South Fork access road). No plans were confirmed at this time.

INSPECTION MEMO TO COAL FILE
ACT/007/011
June 8, 1982
Page 2

A small regraded area at the base of the water tank access road at the western end of the South Fork mine yard is a new development of questionable intent. It is requested (by this memo) that Jean Semborski determine how the regraded area was developed, if topsoil had been redistributed and if it was seeded and when before the next monthly inspection in June.

The sediment pond was not constructed to design. The principal spillway is higher than the emergency spillway. Tension cracks in the embankments and around the decant pipe and excessive sloughage downslope into the drainage channel (in addition to material in the channel that wasn't removed following pond construction in December) require modification to the structure. Chuck Jahne was contacted in regard to this concern and NAOC #1 of 2 (82-2-5-2) was issued for the inappropriate design (UMC 817.46[e], [g], [m]) on May 14, 1982, requiring removal of the material in the channel by May 19, 1982 and reconstruction of the pond in accordance with approved reconstruction plans submitted by May 31, 1982.


SANDY PRUITT
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Jean Semborski, U. S. Fuel
Inspection Staff

SP/btb

Statistics:

Vehicle: #EX 45424--543 miles
Per Diem: 1 person X 1 day, 10 hours = \$42.55
Grant: A & E

June 7, 1982

Memo to Coal File:

RE: Hiawatha Complex
U.S. Fuel Company
ACT/007-011
Carbon County, Utah

Sandy Pruitt conducted a followup inspection of the King VI mine yard with Bob Eccli, U.S. Fuels Company, on May 2, 1982. The purpose of the inspection was to verify completion of the final compliance action required by NAOC #2 of 2 (82-2-5-2).

Surface grade improvements and maintenance of the drainage ditch were done at a minimum to drain the area at the base of berm above the South Fork of Miller Creek. Final grade will be established by the end of June when the final road surfacing improvements are completed. After conducting three different inspections over a 20 day time frame following issuance of NAOC #2 of 2 (82-2-5-2), Compliance with the remedial actions was determined to have been achieved in accordance with the required time frames.

The application of mulch was requested to minimize erosion on the regraded downslopes above the South Fork of Miller Creek and on the topsoil stockpile in the old Lamb's trailer site.

U.S. Fuel challenged this request, maintaining that revegetation efforts this fall should adequately address the requirements for erosion control. As no preventative measures have been taken to minimize erosion on the downslope, once evident, a violation for failure to minimize erosion and additional contributions of sediment to stream flow (UCA40-10-1(2) (d) and UMC817.45) may be warranted. Stipulation #5-26-82-1-tp of the topsoil relocation approval has requested plans for interim protection of topsoil from loss due to wind or water erosion prior to successful revegetation. This stipulation is supported by the requirements of UCA 40-10-17(2)(e). Failure to adequately address the stipulation is a violation of the permit terms and conditions (UMC 771.11) and the pertinent sections of the act and performance standards.


SANDY PRUITT
RECLAMATION OFFICER

SP/mn

cc: Tom Ehmett, OSM
Jean Semborski, U.S. Fuels
Inspection Staff

Statistics:

Vehicle: #EX45428--292 miles
Grant: A & E

To File
ACT/007/011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS & MINING

1588 West North Temple
Salt Lake City, Utah 84116
Telephone: (801) 533-5771

NOTICE OF VIOLATION NO. N

From the STATE OF UTAH
To the Following Permittee or Operator:

NAME U.S. FUEL COMPANY

MINE Hiawatha Complex SURFACE UNDERGROUND OTHER

CATEGORY OF OWNERSHIP: STATE FEDERAL FEE MIXED

OSM MINE NO. _____ STATE PERMIT NO. ACT/907/011 MSHA I.D. NO. _____

COUNTY AND STATE CARBON CO. UTAH TELEPHONE 343-2471

MAILING ADDRESS: HIAWATHA UTAH 84527

DATE OF INSPECTION March 31, 1982, April 6, 1982

TIME OF INSPECTION: FROM 7:15 a.m. to 4:30 a.m.
 p.m. to p.m.

NAME OF OPERATOR (if other than permittee) _____

MAILING ADDRESS: _____

Under the authority of the Utah Coal Mining and Reclamation Act of 1979 (Sec. 40-10-1 et seq., Utah Code Annotated, 1953), the undersigned authorized representative of the Director and the Division of Oil, Gas & Mining has conducted an inspection of the above mine on the above date and has found violation(s) of the Act, the regulations or required permit condition(s) listed in the attachment(s). This Notice constitutes a separate Notice of Violation for each violation listed.

You must abate each of these violations within the designated abatement time. You are responsible for doing all work in a safe and workmanlike manner.

The undersigned representative finds that cessation of mining is is not expressly or in practical effect required by this Notice. For this purpose "Mining" means extracting coal from the earth or a waste pile and transporting it within or from the minesite.

This Notice shall remain in effect until it expires as provided on the reverse or is modified, terminated or vacated by written notice of an authorized representative of the Director of the Division of Oil, Gas & Mining. The time for abatement may be extended by the authorized representative for good cause, if a request is made within a reasonable time before the end of the abatement period.

Date of Service 4/6/82 Kenneth W. Wyatt #7
SIGNATURE OF AUTHORIZED REPRESENTATIVE

Time of Service Wood a.m. Ken Wyatt #7
 p.m. NAME AND I. D. NO.

Person Served with Notice JEAN SEMBROSKI ENGINEERING ASSISTANT
PRINT NAME AND TITLE

Signature Jean Sembroski

IMPORTANT — PLEASE READ REVERSE OF THIS PAGE



STATE OF UTAH

Notice of Violation No. N 82-7-2-1

Violation No. 1 of 1

Nature of the Violation

Failure to pass disturbed area runoff through a sediment control facility prior to its leaving the permit area.
Failure to maintain ~~sed~~ sediment control structures in a manner that prevents additional contributions of suspended solids to streamflow or runoff outside the permit area.

Provision(s) of the Regulations, Act, or Permit Violated

UCA 1953 40-10-18 (i) (ii)
UMC 817.41 (d)
UMC 812.43 (c)
UMC 817.45

Portion of the Operation to which Notice Applies

- A) SHOP/WAREHOUSE PAD UP SOUTH FORK WHERE ~~W~~ RUNOFF FROM THE PAD WAS RUNNING DOWN THE ROAD AND ENTERING SOUTH FORK OF MILLER CREEK
- B) KING VII LOADOUT DEVELOPMENT ESPECIALLY THE TRUCK TURNAROUND LOOP WHERE RUNOFF WAS BYPASSING THE INLET TO THE SEDIMENT POND.

Remedial Action Required (including interim steps, if any)

MAINTAIN SEDIMENT CONTROL ~~FACILITIES~~ ^{STRUCTURES} TO INSURE THAT DISTURBED AREA RUNOFF IS PASSED THROUGH THE SEDIMENT POND AS DESIGNED BEFORE LEAVING THE PERMIT AREA.

Time for Abatement (including time for interim steps, if any)

30 DAYS NO LATER THAN MAY 6, 1982

June 2, 1982

Inspection Memo
to Coal File:

RE: U. S. Fuel Company
Hiawatha Complex
ACT/007/011
Carbon County, Utah

DATE: March 30 and 31, 1982
TIME: 2:30 p.m.-4:30 p.m. and 9:30 a.m.-4:30 p.m., respectively
WEATHER: Fair
COMPANY OFFICIAL: Jean Semborski
STATE OFFICIALS: David Lof and Ken Wyatt
ENFORCEMENT ACTION: NOV N82-7-2-1

Compliance With Permanent Performance Standards

771 et al Permit

Available at the mine office were a USGS 211 plan dated May 5, 1977, and May 11, 1978, letter from the Division notifying U. S. Fuel that since they had adequately complied with Section 40-8-23 of the Utah Mined Land Reclamation Act that they had tentative approval to continue mining in accordance with the Act.

The operator is currently developing a conveyor system and truck loadout for the King VI Mine area. The operator received conditional approval for the modification work in this area on July 15, 1981. The conditional approval contained 16 stipulations. At this time, all stipulations have been completed or have been responded to. The stipulations which require additional response are listed below:

Stipulation 7-81-2

A revegetation plan was developed based on a survey completed for Stipulation 7-81-1. This plan was inadequate and the Division is awaiting a revision of the said plans from the operator.

Stipulation 7-81-5

All drainage control structures have not been completed. More specifically, the undisturbed drainage structure above the King VI loadout has not been completed. In completing this structure, the operator should pay close attention to the comments and suggestions made in regard to this structure in a March 29, 1982, letter from the Division to Mr. Jahne of Sharon Steel.

Stipulation 7-81-9

The topsoil questions are still being resolved at this time.

Stipulation 7-81-11

A submittal regarding this stipulation was received by the Division on April 6, 1982. At this time, the inspector is not aware of the review status of this plan.

Stipulation 7-81-12

A regrading plan for the overland belt system was submitted on December 23, 1981, by the operator. The plan was inadequate and the Division is awaiting submittal of a revised plan.

It should be further noted that the status of the stipulations as discussed above was determined from information available to this inspector at the time of the writing of this memo.

On August 22, 1979, approval from the Division was issued to U. S. Fuel's Hiawatha operation for construction of sediment ponds in the middle fork, upper storage area, and Hiawatha yards. This approval was issued after obtaining concurrence of the State Divisions of Environmental Health and Water Rights.

817.11 Signs and Markers

Complete mine entrance signs were posted at all public entry points to the permit area. Also, perimeter markers and topsoil markers were posted as required.

817.21-.25 Topsoil

Both the topsoil stockpiles in South Fork, the stockpile at Lamb's Trailer and the stockpile at the mine yard were properly protected from water erosion and properly identified by topsoil markers.

The violations which the operator had received for failure to save, protect and store topsoil and failure to meet Stipulation 7-81-9 concerning topsoil (NOV N81-3-22-3 issued December 11, 1981) were either terminated or vacated on March 24, 1982. Even though these violations have apparently been addressed, the inadequacies, the operator's response to Stipulation 7-81-9 are still being worked on.

817.41-.52 Hydrologic Balance

Middle Fork

For the most part, the sediment control structures in Middle Fork were in good condition. The undisturbed drainage above the fan was clear and the open ditch and culvert on the south side of the conveyor was clear. Two potential problem areas were pointed out to the operator. One was the culvert which

conveys disturbed area runoff beneath the road that passes below the #4 conveyor belt. Number two, the straw bales which had been placed along the perimeter of the timber storage area in order to treat disturbed area runoff will require some maintenance work and some straw bale replacement.

South Fork

During the course of snow removal on the mine pad, snow removal materials were inadvertently placed in a disturbed area drainage by the southwest corner of the existing substation. The operator was asked to have the materials removed immediately.

There were two areas where disturbed area runoff was bypassing the designed sediment control facilities and entering the South Fork of Miller Creek. Runoff from the shop/warehouse pad was observed flowing down the access road bypassing the ditch and culvert designed to convey it to the sediment pond, past the conveyor bench road, and then into a culvert which emptied into South Fork. The amount of flow was less than five gallons per minute and a water sample was taken at the culvert outlet and analyzed by State Health laboratories who found a TSS level of 6,000 ppm. Also, disturbed area runoff was observed leaving the King VI loadout area draining down the road bypassing the inlet to the sediment pond then entering the road ditch and finally entering the South Fork of Miller Creek. The amount of flow was approximately 5-10 gallons per minute and a water sample was taken and analyzed by State Health who found a TSS level of 31,500 ppm. Because of this failure to pass disturbed area runoff through a sediment control structure, NOV N82-7-2-1 was issued. It reads as follows:

Nature of the Violation:

Failure to pass disturbed area runoff through a sediment control facility prior to its leaving the permit area. Failure to maintain sediment control structures in a manner that prevents additional contributions of suspended solids to streamflow or runoff outside the permit area.

Provision of the Regulations, Act or Permit Violated:

UCA 1953, 40-10-18(i)(ii)
UMC 817.41(d)
UMC 817.43(c)
UMC 817.45

Portion of the Operation to Which the Notice Applies:

- A. Shop/warehouse pad up the South Fork where runoff from the pad was running down the road and entering the South Fork of Miller Creek.
- B. King VI loadout development especially at the truck turnaround loop where runoff was bypassing the inlet to the sediment pond.

Remedial Action Required

Maintain the sediment control structures to ensure that disturbed area runoff is passed through the sediment pond as designed before leaving the permit area.

Time for Abatement:

Thirty (30) days, no later than May 6, 1982.

Inspectors observed that the sediment pond located south of the truck loadout was improperly constructed. The emergency spillway was at a lower elevation than the principal spillway. This was discussed with the operator. They said that they were aware of the problem and were in the process of addressing it.

817.52 Surface and Ground Water Monitoring

The operator is currently operating under NPDES permit, #UT-0023094, which expires June 30, 1982. The receiving waters for this permit are Cedar Creek of the San Rafael River and Miller Creek of the Price River drainage. The operator has made a submittal to the EPA for a NPDES permit renewal. This was verified by a December 9, 1981, letter from EPA recognizing the request. Water monitoring data from October through December 1981 were available and no violations of effluent limitations were evident.

U. S. Fuel's submitted a hydrologic monitoring plan for their Hiawatha Complex on November 30, 1979. This plan was reviewed by OSM and a letter sent to Mr. Bob Eccli on July 18, 1980, addressing the inadequacies in the plan. Mr. Eccli did not respond to the initial letter so a second letter was sent by the Division on October 15, 1980. Still the operator failed to respond, therefore, on December 11, 1980, Gary Fritz of OSM issued Violation #1 of 80-5-15-13 for failure to have an approved ground water monitoring plan. On December 22, 1980, U. S. Fuel's submitted a revision of the November 1979 plan addressing all of OSM's comments. OSM reviewed the plans and granted provisional approval for interim implementation of the plan until Hiawatha's mine plan is approved.

817.71-.73 Disposal of Underground Development Waste and Excess Spoil

The operator currently disposes of underground development waste within the mine.

817.81-.93 Coal Processing Waste

The waste rock from the processed coal is disposed of along the embankments of slurry pond #1.

Normally slurry is pumped into pond #4, but at the time of this inspection, was temporarily being bypassed into slurry pond #1 while the pumps were being repaired. Slurry pond #1 has developed several seepage areas.

Wet spots were observed on the northeast corner of the pond. A small flow was observed on the northwest corner. Ms. Semborski stated that this pond was only being used temporarily and that it was to be dried out and cleaned in the future.

A journal is kept at the Hiawatha offices of weekly slurry pond inspections. These seepage areas are noted in this log book. This area does not pose a great problem at this time as long as water that escapes will flow into a sediment pond and the pond's use is discontinued in the near future for cleaning.

817.89 Disposal of Noncoal Waste

On August 13, 1981, U. S. Fuel's submitted plans addressing noncoal waste disposal. The operator was granted final approval to implement the plans in a February 10, 1982, letter from the Division.

817.97 Protection of Fish, Wildlife and Related Environmental Values

During the week of August 24-28, the United States Fish and Wildlife Service (USFWS) conducted a survey on powerlines at the Hiawatha Complex. The USFWS concluded that due to the location of the power poles that there would be little if any utilization of the poles by raptors. A March 5, 1982, letter from the Division indicated that upon review of the results of the above-mentioned survey the Division felt that modifying additional poles would not be required at this time. However, should problems arise in the future, U. S. Fuel Company should contact the Division to make arrangements to have the lines resurveyed and modification of designs approved.

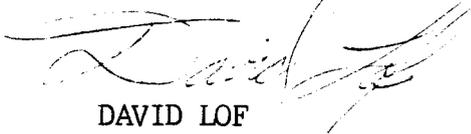
817.121-.126 Subsidence Monitoring

U. S. Fuel and the Forest Service entered into a subsidence monitoring program agreement on September 1, 1981. The monitoring program will consist of an annual aerial survey using monuments.

INSPECTION MEMO TO COAL FILE
ACT/007/011
June 2, 1982
Page 6

817.150-.176 Roads

All roads within the permit area appear to be in good condition with the exception of the road drainage problems in the South Fork area as discussed in the Hydrologic Balance section.



DAVID LOF
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Jean Semborski, U. S. Fuel Company
Inspection Staff

DL/btb

Statistics:

Vehicle: #EX 45428--458 miles
Per Diem: 2 persons X 2 days, 9 hours = \$160.20
Grant: A & E

February 23, 1982

Memo to Coal File:

RE: NOV #81-3-22-3
Office Meeting for
Clarification of Abatement
Requirements
Hiawatha Complex
ACT/007/011
Carbon County, Utah

On February 16, 1982, representatives of Sharon Steel/U. S. Fuel Chuck Jahne and Jean Semborski met with Jim Smith, Wayne Hedberg and Tom Portle of the Division. Following is an account of some of the measures that were discussed and which should be employed pursuant to the abatement of the above-mentioned violations. In respect to Violation #1, areas which still have not been met include the embankments to the sediment pond and the topsoil utilized as fill material at the base of the coal stockpile area and topsoil located near the conveyor. As previously mentioned in a February 5, 1982, letter for each of the areas an accompanying volume estimate must appear on the map. Sharon Steel should clarify, noted in the above letter, whether they actually committed to the eight inch figure for depth of topsoil. The company should calculate the volumes available for reclamation once they have sampled the soil available in each above location. The soil material that has been stored at the base of the coal storage pile should be sampled. It was agreed in this meeting that 6-12 samples, dependent on variability, would be taken and analyzed. These samples should be core samples of nature, attempting to display a indication of the depth and profile of this material. Also, these sample sites should be marked so that they can be resampled according to the permit term of each five years. It was also suggested that upon 20-25 years of data, if the indication is that no change is occurring according to trends and data, there should be an option to decrease the frequency of this sampling program. Along with this, a plan should be generated which will deal with how this material will be retrieved, how it will be restored, how it will be redistributed and the conveyor/loadout/coal storage disturbance area.

With regard to subsoil at the confluence of South Fork and Middle Fork road, this material should be protected from wind and water erosion and marked. This material should be designated either as growth supporting material or fill. In either case, sampling must be done to prove that the designation is accurate. If it is designated as growth supporting material, it should be utilized in the estimates of volumes prior to estimating the amount or volume deficit which will be obtained from the borrow area. If it is designated as fill, it should be incorporated into the overall grading plan.

MEMO TO COAL FILE
ACT/007/011
February 23, 1982
Page 2

Also, a statement must be made indicating the subsoil has or has not been used as fill in other portions of the operation.

The requirements for plans and maps of all storage locations of topsoil, in terms of their protection, was again discussed at this meeting. For further details see February 5, 1982, letter.

Also discussed was limiting the access to the conveyor corridor where material has been pushed to the side. The intent of this is to allow for this material to stay in proximity available for final reclamation needs and minimizing any potential damage to this material from vehicular travel. Options discussed were putting in a gate or large rocks to restrict access. U. S. Fuel or Sharon Steel must commit to one of these options. Also discussed in detail was the development of plans for the borrow area. A balance sheet approach and topsoil needs was recommended to allow the company to make a good estimate of how much material would be required from this area. In light of this, the operator must decide on a sampling frequency to determine the suitability, quantities and quality of this material. Also discussed was full compliance with regulations in this area, bonding as well as utilization of a buffer zone between there and Middle Creek.

THOMAS L. PORTLE TLP
RECLAMATION SOILS SPECIALIST

cc: Wayne Hedberg
Chuck Jahne, Sharon Steel
Jean Semborski, U. S. Fuel

TLP/btb

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CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)**

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3. If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
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GPO : 1979 O - 288-363

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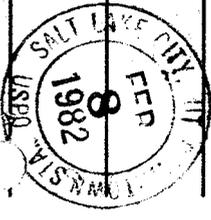
**State of Utah
Natural Resources & Energy
Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114**



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(City, State, and ZIP Code)



**P20 0367261
RECEIPT FOR CERTIFIED MAIL**

**NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse) PAT 1007/1011**

SENT TO		Charles Jahne - Sharon Steel	
STREET AND NO.		136 E South Temple - 19th Floor	
P.O., STATE AND ZIP CODE		S.L.C., UT 84111	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE		c
	SPECIAL DELIVERY		c
	RESTRICTED DELIVERY		c
	OPTIONAL SERVICES		
	RETURN RECEIPT SERVICE		
	SHOW TO WHOM AND DATE DELIVERED		c
	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		c
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		c
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		c
TOTAL POSTAGE AND FEES		\$	1.00
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PS Form 3800, Apr. 1976

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1. The following service is requested (check one.)
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(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Charles Jahne *BIB*
19th Floor, University Club Bldg,
136 E. South Temple 84111
S.L.C., UT

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	0367261	

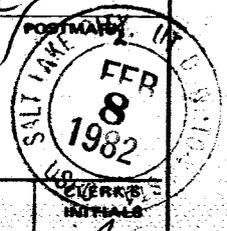
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE Addressee Authorized agent

W. M. Amber
RECEIVED DELIVERY
FEB 8 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:



Form 3811, Jan. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 5, 1982

0369261

REGISTERED RETURN RECEIPT REQUESTED

Mr. Charles Jahne
Environmental Engineer
Sharon Steel Corporation
19th Floor, University Club Building
136 East South Temple
Salt Lake City, Utah 84111

RE: NOV #81-3-22-3
Stipulation 7-81-9(A), (B)
and (C)
King VI Development Area
ACT/007/011
Carbon County, Utah

Dear Mr. Jahne:

On July 15, 1981, U. S. Fuel/Sharon Steel was granted conditional approval for the commencement of construction activity at the King VI minesite. This approval was contingent upon a stipulation. It became apparent soon after the onslaught of construction activity that these stipulations were not being adhered to. Following this, Violation #81-3-20-1 was issued and subsequently terminated upon the submittal of plans. However, site development work in the field produced more problems which could not be dealt with through meetings or the issuance of NAOC forms. Because of this problem, Violation #81-3-22-3 was issued. In this violation, specific remedial measures were prescribed which would, in fact, bring Hiawatha into full compliance with their approved permit and conditions thereof (i.e., these stipulations). Pursuant to the abatement of the violation, Sharon Steel did provide the Division on November 13, 1981, January 4, 1982, and January 11, 1982, with information which was intended to satisfy the abatement requirements of the above violation. Upon review of this material, certain deficiencies were revealed. The following inadequacies must be addressed prior to the termination of NOV group #81-3-22-3.

Violation #1 of 3

Remedial Action Required:

1. Delineate on the map all locations of topsoil storage.

Sharon Steel Response

A map was provided. This map was one published by Survey in 1978 and indicated three locations.

1. The Lamb's trailer storage location.
2. The location of a small amount of subsoil at Fork and South Fork roads.
3. A proposed borrow area from which deficit topsoil obtained.

Inadequacies

Sharon Steel did not indicate known locations of topsoil on map, such as:

1. Embankments of sediment pond.
2. Topsoil utilized as fill material.
3. Topsoil sidecast in road construction.
4. Topsoil located near conveyor (soil which was not mapped at site) but was simply pushed to the side in the road construction.
5. In your November 13, 1981, letter it was indicated that certain portions of slope associated with the fill in the road construction area also a site of topsoil storage. This should be mapped if indeed these areas have received topsoil.

Note: For each area mapped above, an accompanying volume of topsoil is indicated either on the map or with the attendant narrative.

Remedial Action Required:

2. Provide calculations to demonstrate that volume of topsoil is adequate for final reclamation.

Sharon Steel Response

Sharon Steel did provide the Division with an estimate of topsoil based upon the area of the sediment pond disturbance, truck turnabout area and the conveyor belt corridor area. This estimate was done based on the maximum depth of eight inches of the soil disturbance.

Note: With regard to the eight inch figure, if plan is approved, will it become Hiawatha's topsoil plan for the King VI area. Does Sharon Steel wishes to commit to eight inches depth of topsoil for the noted disturbances? If not, this should be clarified.

Utilizing the information submitted with regard to required topsoil volume, Sharon Steel must estimate the volume of topsoil stored in the above seven or eight areas. By subtracting this from the estimates of amount required for reclamation, a volume deficit can be obtained.

Assuming that the borrow area along Middle Creek can be approved, it is most expedient to obtain all possible materials from the above areas which would minimize the disturbance in this potential borrow area. This would decrease the reclamation bond on this area and to make it easier and less expensive to reclaim.

Note: Sharon Steel has utilized topsoil in the coal pile area for fill in pad development. Since this practice may be approved as a means of topsoil protection according to UMC 817.23(ii), it may be worthwhile to consider it in volume estimates of available topsoil (see NOV #2 of 3, Part 2, Inadequacies, for further details).

Remedial Action Required

3. Provide the Division with a source of substitute materials as indicated by UMC 817.22(b) to make up the volume deficit.

Sharon Steel Response

On page 2 of the January 4, 1982, letter Sharon Steel states that they wish to utilize an areas east of Middle Creek as a borrow area as previously mentioned. Estimates say that this area is greater than 535,000 square feet.

Note: This would result in greater than 12 acres of additional disturbance. It appears that this borrow area is greater than three times the area required to provide an eight inch depth of soil, even assuming that no other soil could be salvaged from the areas mentioned above where storage has occurred. The actual disturbance required should be determined in conjunction with determinations of volume deficit.

Violation #2 of 3

Remedial Action Required:

1. Seed all topsoil and subsoil and topsoil/subsoil mixing material (sidewash soil on newly developed road and downslope) from this road. Construction of berms or grade of Class III road to convey drainage to inside of road.

Sharon Steel Response

This had been done (for details see January 25, 1982, memo). Termination for this portion of the violation is enclosed.

Remedial Action Required:

2. Indicate how topsoil material used for a coal storage pile would be retrieved for final reclamation and how it will be restored to support vegetation or obtain a variance for illicit use of topsoil for fill.

Sharon Steel Response

The only approximation of the response to this portion of the violation is recorded in a November 13, 1981, letter which estimates that 408,000 cubic feet of material was utilized to raise the base of the coal pile area to a desired elevation. The indication was that all such material had been utilized as fill.

Inadequacies

Sharon Steel has not addressed the remedial action in part 2 of this violation. No justification was provided for this illicit use of topsoil with one exception. However, the statement "most of it is extremely bouldery" cannot be construed as a formal plan. This portion of the violation will be extended and information pursuant to addressing this material under UMC 817.23(ii) must be provided.

As mentioned under #2 of NOV #1 of 3, Sharon Steel must address this use of topsoil as fill in more detail. Either a request for a variance with appropriate justification, or a plan for retrieval, restoral and use of this material along with volume estimates and incorporation into overall topsoil plan and balance sheet must be provided to the Division.

Remedial Action Required:

3. Relocate this material in the vicinity of the Lamb's Trailer. Protect this soil by means of ditches, berms and reseeding.

Sharon Steel Response

This topsoil had been removed and relocated and is now properly protected. For further details, see December 14 approval letter which indicates approval for this action and starts measures to be accomplished in a January 25, 1982, inspection memo.

4. Subsoil located near confluence of South Fork and Middle Fork Road should be protected from wind and water erosion. Seed subsoil and mark according to 817.11(g).

Sharon Steel Response

This material has been seeded but some question exists as to whether adequate protection is in place. The operator maintained that this material was of negligible quantity being only about 100 cubic yards, therefore, it is not worthy of being protected. Field representatives of U. S. Fuel indicated this material would not support vegetation and subsequently reversed that statement (for details see January 25, 1982, inspection memo).

Inadequacy

At this time, it is not clear that this material is not worth saving. This remains to be proven by the operator. Until such time, as indicated in the January 25 memo, the operator is responsible for protection of this material. The modification has been sent to the operator in this regard and, at a minimum, a subsoil marker should be placed in this area prior to the next inspection.

Remedial Action Required:

5. Provide information as to where subsoil has been used as fill in other portions of the operation and how it will be and has been used.

Sharon Steel Response

No response from the operator addressing this portion of the violation has been received by the Division, or was verbally communicated to the inspector on-site.

Inadequacy

This information must be provided to the Division. Modification notice indicating this has been sent informing the operator of this deficiency.

Violation #3 of 3

Remedial Action Required:

This violation deals with the provision of information to the Division regarding protection of topsoil and other vegetation supporting material.

Sharon Steel Response

A January 11, 1981, letter indicates the seed mixes used in various areas. No plans have been submitted as required dealing with soil protection once stored, other than seeding.

No specific response indicating how protection of materials stored at various location will be accomplished. Sidewash on the conveyor belt route and the sedimentation pond outslopes have been addressed by a separate seed mix. None of the other locations mentioned under inadequacies #1 which should have been delineated on the map have addressed specifically in the form of plans.

Inadequacies

Sharon Steel has yet to address Stipulation 7-81-9(c).

In all cases, the operator has done nothing to indicate the drainage pattern and storage locations to indicate where berms or diversion or other runoff protection measures are needed and to indicate why they are not needed in areas that are not proposed. The operator does make mention that mulch was not used but does not justify this other than saying that mulching has not been necessary in the past. More detail to justify why mulching was not used in any of these three seeding project, should be submitted to the Division as part of their response to this violation.

Sharon Steel, with the aid of a map which depicts locations, all topsoil or subsoil storage locations should provide information as indicated in Stipulation 7-81-9(c) dealing with the protection of this material through berms, ditches, seeding or other measures.

Comments

It is important to bring out at this time that the ability of the Division to approve an overall topsoil handling, storage and protection plan pursuant to the reclamation of a King VI development area has been and is currently being substantially hindered by the lack of information. Until the Division receives adequate information addressing the identified inadequacies, no plan can be approved and, in this case, the violation cannot be terminated. The operator should be aware that violations can only go 90 days, at which time it is mandatory for the Division to issue a failure to abate with the accompanying \$750/day fine.

It is apparent from the operator's January 4 letter which says that if the Division approves the alternative borrow for soil located east of Miller Creek, then work will be done to determine the depth, volume and fertility of this material, i.e., suitability for reclamation work at the King VI area, then soil analysis will be taken. The operator, in this case, has missed the point and reversed the order. It is the operator's responsibility to justify the use of the material through chemical analysis and soil surveys. He is also responsible for determining if material such as the fill being utilized below the coal stockpile can be brought back to a level capable of supporting

Mr. Charles Jahne
ACT/007/011
February 5, 1982
Page 7

vegetation for the purpose of minimizing any possible disturbances in this potential borrow area. These concerns should be addressed expediently in order to avoid a failure to abate situation and so that the Division can sign off on the topsoil handling, storage and protection stipulations for the King VI area. Should you have any questions, please feel free to call.

Sincerely,



THOMAS L. PORTLE
RECLAMATION SOILS SPECIALIST

Enclosures

cc: Tom Ehmett, OSM
Jean Semborksi, U. S. Fuel
D. Wayne Hedberg, DOGM
NOV File

TLP/btb

INSPECTION MEMO TO COAL FILE:

January 29, 1982

RE: Hiawatha Complex
ACT/007/011
Carbon County, Utah

A partial inspection of the Hiawatha Mine Complex was conducted on Tuesday afternoon, January 26, 1982, by Reclamation Officers Joe Helfrich and Jean Dautre and Paul Sjoblom, Technical Specialist for Abandoned Mine Reclamation Program.

The main purpose of this inspection was to terminate violations #2, #5, and #6 in the 81-1-8-7 group which have been abated.

Violation #1 of 7 was terminated October 14, 1981.

Violation #2 of 7, in the King VI Conveyor and Loadout development area, topsoil protection was neglected. This was adequately abated and violation #2 of 7 was terminated as of November 3, 1981.

Violation #3 of 7 and #4 of 7 were terminated on October 29, 1981.

Violation #5 of 7 was extended and later terminated as of December 18, 1981.

Violation #6 of 7 was modified to allow seeding to occur and was terminated as of October 9, 1981.

Violation #7 of 7 was extended until November 16, 1981 to allow the operator to remove material away from berms and to designate this area as a noncoal waste disposal area, and to proceed with application to the Division to officially designate this area for noncoal waste disposal.

Subsequent violations issued by Mr. Tom Portle in group #81-3-22-3, with regard to Stipulation 7-81-9, are still to be addressed.

See memo written December 30, 1981 regarding the status of these Stipulations. Plans have been submitted and are in the process of review.

The sites of these violations were inspected and the violations were terminated at the Hiawatha office.


JEAN L. DOUTRE
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Ms. Jean Semborski
Inspection Staff

JD/tr

Statistics: See Trail Mountain Memo dated January 29, 1982.
Grant A & E

SHARONSTEEL • Mining Division

AN **NVF** COMPANY

SHARON STEEL CORPORATION

19th Floor, University Club Building
136 East South Temple
Salt Lake City, Utah 84111
Telephone (801) 355-5301

January 11, 1982

The State of Utah
Natural Resources and Energy
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

RECEIVED
JAN 14 1982
DIVISION OF
OIL, GAS & MINING

Attention: Mr. Thomas Portle, Reclamation Soils Specialist

Re: United States Fuel Company
King VI Mine-Overland Belt
ACT/007/011
Violation 81-3-22-3
Stipulation 7-81-9(c)

Gentlemen:

Presently, there is only one top soil pile related to the subject project. It is at location (1) shown on the map sent earlier in conjunction with other parts of this same violation. That top soil pile is made up almost exclusively of soil taken from the sedimentation pond excavation. It has been seeded with a "lower elevation" mixture of grasses which have been grown successfully in the Hiawatha area. The pile is also surrounded by a diversion ditch which drains into the drainage ditch on the north side of the South Fork Canyon road. The seed rate used to cover the top soil was between 15 and 20 pounds per acre. The seed mix is as follows:

Western Wheatgrass	12%
Russian Wildrye	12%
Slender Wheatgrass	12%
Fairway Crested Wheatgrass	12%
Intermediate Wheatgrass	12%
Indian Rice Grass	10%
Ranger Alfalfa	10%
Small Burnet	10%
Antelope Bitter Brush	10%
	<u>100%</u>

Other areas of the project site that have been seeded at the same rate are:
(1) The "Sidewash" area along the conveyor belt route from W-10440 to W-11,000 and
(2) the sedimentation pond out slopes. Please refer to drawing EFC-133-SK-2 which was sent earlier in conjunction with a letter addressing other parts of the subject violation for orientation of the belt conveyor route. The grasses used for these seeded areas are:

Smooth Brome	11.1%
Orchard Grass	8.9%
Intermediate Wheatgrass	8.9%
Kentucky Bluegrass	8.9%
Meadow Foxtail	8.9%

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Attention: Mr. Thomas Portle, Reclamation Soils Specialist
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Timothy Grass	8.9%
Ranger Alfalfa	8.9%
Sweetvetch	6.7%
Russian Wildrye	11.1%
Globemallow	6.7%
Indian Rice Grass	11.1%
	<u>100.1%</u>

No mulching was done in conjunction with the above seeding. Mulching has not been necessary at the Hiawatha location. Seeding is done from late summer until the first permanent snow.

If you have any questions on the above, please call me.

Very truly yours,


Charles J. Jahne

CJJ:jrs

SHARONSTEEL • Mining Division

AN **NVE** COMPANY

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19th Floor, University Club Building
136 East South Temple
Salt Lake City, Utah 84111
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January 4, 1982

RECEIVED
JAN 05 1982

DIVISION OF
OIL, GAS & MINING

The State of Utah
Natural Resources and Energy
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Mr. Thomas Portle, Soils Scientist

Re: United States Fuel Company
King VI Mine - Overland Belt
ACT/007/011
Violation N 81-3-22-3

Gentlemen:

I wish to use this letter to address several of the items that you mentioned in the subject Violation number. Specifically, on page 1 of 3 under "Remedial Action Required" - items 1, 2 and 3. Also, on page 2 of 3 under the same heading - item 5. In addition, I intend for this letter to act as a letter of transmittal for the attached "Computation for Quantities of Sub-soil and Top Soil for Final Reclamation" - "King VI - 42" Overland Belt", sheets 1, 2, 3 and 4 of 4. This letter is also to serve as the transmittal vehicle for the attached map used to respond to several of the above Violation "Remedial Action" items. A print of Sharon Steel Corporation, Drawing EFC-133-SK-2 accompanies this letter. This drawing has been forwarded to Sandy Pruitt in response to ACT/007/011 stipulation 7-81-12 mailed on December 23, 1981. The map showing locations of top soil and fill soil storage is taken from a map of the Hiawatha, Utah NE/4 Hiawatha 15' Quadrangle N3922.5 - W11100/7.5 as published by the U. S. Geological Survey, 1978.

Before knowing if there was enough sub-soil or top soil excavated, relocated and stored for final reclamation of the King VI-42" Overland Belt project, it was necessary to develop a final grading plan. This was done prior to December 23, 1981 and resulted in Sharon Steel Corporation Drawing EFC-133-SK-2. From that drawing and accompanying letter, describing the plan for final grading, quantities of sub soil and top soil estimated for final grading were developed. Final slopes of the grading were chosen to be 1 v: 2h or less steep to allow for the revegetation to be successful. Rip-Rap is planned for a portion of the discharge of the natural drain area on the north side of the truck turn-out area. The attached computations do not take that into consideration since the quantity of top soil needed in that area would be so small that it would be an insignificant reduction.

With the coal pile fill remaining in place after mining operations cease, it became obvious that there would not be enough sub soil or top soil to regrade the project area. The calculation sheets provide estimates of the quantities of both sub soil and top soil that will be needed for final grading and reclamation. At this moment, all of it is planned to come from some source other than the project area. The top soil located at (1) on the map - the "Lamb's Trailer Area" - can be retained and deposited on the final sub soil grade, but it will not cover the entire final sub soil area. At the time of reclamation, the individuals involved may even choose to

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Natural Resources and Energy
Attn: Mr. Thomas Portle, Soils Scientist
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Leave the pile in place since it will be an established portion of the watershed by then.

Location (3) on the attached map delineates the source proposed for both top soil and sub soil. It is located on the east side of Miller Creek, down hill from the road that leads to Middle Fork Canyon. There is no pile here. The soil is in an undisturbed state with a cover of sagebrush. The area shown is in excess of 535,000 square feet and could easily supply the requirements of sub soil and top soil as computed. If so desired, a lesser area of the same location can be set aside.

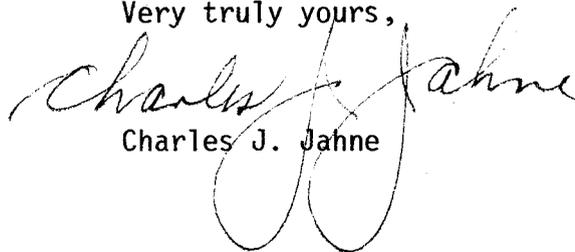
Collection of this soil will follow the procedures that will be in vogue at the time of cessation of mining activities. For the present, this area can be fenced and properly noted with signs as to its anticipated use, if desired. No soil samples have been taken, but if this location is accepted, that work will be done as soon as possible.

Location (2) on the map points out the location of a pile of sub soil that has been carried thence from the King VI project area. The quantity is quite small - probably 100 cubic yards at the most - and would contribute little or nothing to reclamation in the future. It is desired that this sub soil be classified as fill dirt and left where it now rests.

This should cover the requests you made in the subject violation. Should you have any questions, please call me.

Happy New Year!

Very truly yours,



Charles J. Jahne

CJJ:jrs

Attachments

CALCULATION SHEET

Sharon Steel Corporation

ENGINEERING DEPT., SALT LAKE CITY, UTAH

COMPUTATION FOR QUANTITIES OF SUB SOIL & TOP SOIL FOR FINAL RECONSTRUCTION

PLANT Sharon Steel SHEET NO. 1 of 4
 JOB Run 11 - 52' Overhead Belt
 COMPUTED BY JRAME DATE 12-28-81
 REF. DWG. ESP-133-SK-2

SEDIMENTATION POND:

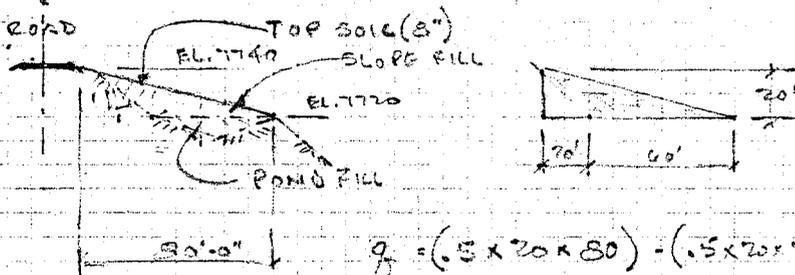
ASSUMPTIONS:

1. FILL UP POND w/ SUB-SOIL, DEBRIS, USED 24" Ø CONCRETE RT.
2. "LEVEL" FILL @ EL. 7720 FEET A.S.L.
3. ADD SLOPED FILL FROM ROAD TO SOUTH EDGE OF POND.
4. DO NOT DISTURB ANY ONSLOPES OF POND.
5. ASSUME AVENUE ROAD EL. @ SED. POND = EL. 7740.

ESTIMATE AMOUNT OF SUB-SOIL:

FILL POND: 0.6 GALV. FT. x 49,5700 = 26,136 FT.³

FILL FROM SO. SIDE OF POND TO ROAD:



$Q = (.5 \times 20 \times 80) - (.5 \times 20 \times 20) = 600 \text{ FT}^2/\text{FT}$

POND LENGTH = 218 FT.

$Q = 600 \times 218 =$ 130,800 FT.³

TOTAL SUB SOIL REQ'D = 156,936 FT.³

ESTIMATE AMOUNT OF TOP SOIL: MAXIMUM DEPTH ≈ 8"

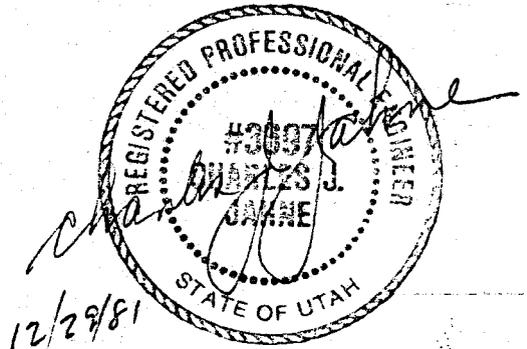
TOP SOIL AREA = $218 \times \sqrt{20^2 + 80^2} = 218 \times 82.5 = 17,976 \text{ FT}^2$

QUANTITY OF TOP SOIL REQ'D = $17,976 \times 0.667 =$ 11,990 FT.³

COAL PILE AREA:

ASSUMPTIONS:

1. INSIDE RADIUS = 40'-0"
2. OUTSIDE RADIUS = 110'-0"
3. DIFFERENCE IN HEIGHT = 40'-0"
4. SWEEP OF BOTH RADII = 190°
5. EXCAVATION OUT ON A 1:1 SLOPE



CALCULATION SHEET

Sharon Steel Corporation

ENGINEERING DEPT., SALT LAKE CITY, UTAH

COMPUTATION FOR QUANTITIES OF SUB SOIL

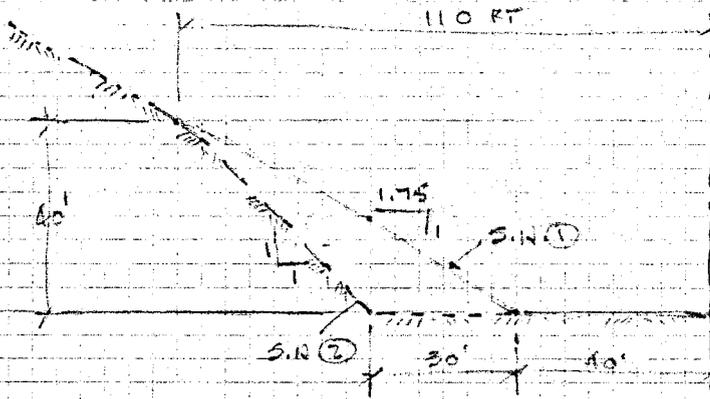
TOP SOIL FOR CIVIL CONSTRUCTION

PLAN REVISION SHEET NO. 122

JOB KING T-42" OUTERCLASH PILE

COMPUTED BY JAHNE DATE 12-23-81

REF. DWG. ERC-133-5X-2



S.I. 1 = $\sqrt{70^2 + 40^2} = 81'$

S.I. 2 = $\sqrt{40^2 + 40^2} = 57'$

$V_{max} = .333 \times 40 \times (110^2 + 70^2 - 110 \times 70) = 329,333 \text{ ft}^2 \times 190/360 = 173,815 \text{ ft}^3$

$V_{min} = .333 \times 40 \times (110^2 + 40^2 + 110 \times 40) = 241,333 \text{ ft}^2 \times 190/360 = 127,370 \text{ ft}^3$

SUB SOIL ON SLOPES = 46,445 ft³

ADD 2'-0" OR SUB SOIL AT BASE: $V = \pi \times 40^2 \times 2 =$ 10,053

36,498

TOTAL SUB SOIL AT CAP PILE = 36,500 ft³

ESTIMATE TOP SOIL REQ'D:

$V_{max} = \pi \times 31 \times (110 + 40) = 38,170 \text{ ft}^2 \times 190/360 = 19,145 \text{ ft}^3$

$V_{min} = \pi \times 21 \times (109.67 + 39.67) = 38,002 \text{ ft}^2 \times 190/360 = 19,057 \text{ ft}^3$

TOTAL TOP SOIL ON SLOPES = 38 ft³

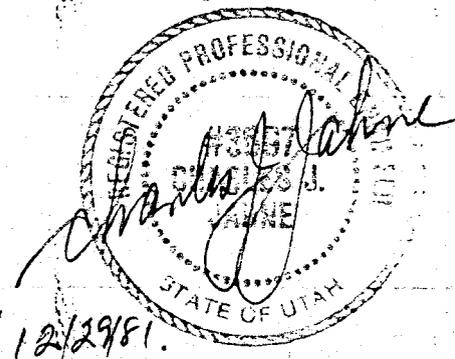
ADD FOR TOP SOIL AT BASE: $V = \pi \times 40^2 \times 0.67 =$ 3368 ft³

TOTAL TOP SOIL @ CAP PILE 3500 ft³

TRANSIT TRANSPORT AREA:

ASSUMPTIONS:

1. INSIDE WALL = 30' x 40'
2. OUTSIDE WALL = 120' x 40'
3. DIRECTION OF TRAFFIC = 36' x 40'
4. SLOPE OF BOTH SIDES = 190°
5. DISTANCE BETWEEN PILES WITH SLOPE



12/29/81

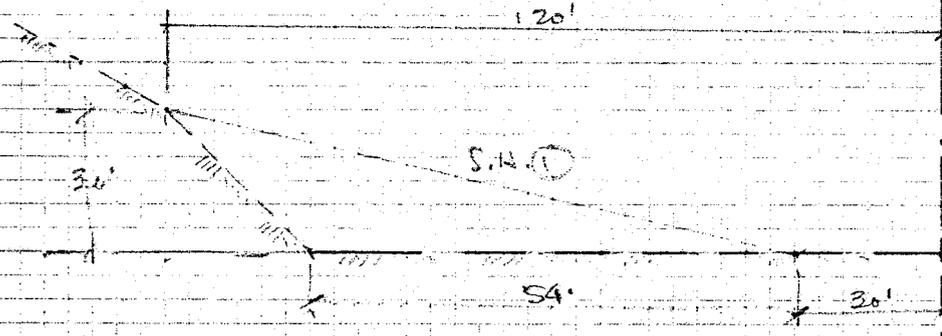
CALCULATION SHEET

Sharon Steel Corporation

ENGINEERING DEPT., SALT LAKE CITY, UTAH

COMPUTATION FOR CONCRETE BELT
TOP SAIL FOR RURAL HIGHWAY

PLANT Highway SHEET NO. 2004
 JOB Rural Hi - 67' Overpass
 COMPUTED BY JAHNE DATE 12-23-78
 REF. DWG. FRC-133-SK-2



$S.W. 1 = \sqrt{90^2 + 20^2} = 97'$

$V_{max} = 0.833 \times 36 (120^2 + 36^2 + 120 \times 36) = 378,432 \text{ Ft}^3 + 190,320 = 568,752 \text{ Ft}^3$

$V_{min} = 0.833 \times 30 (110^2 + 30^2 + 110 \times 30) = 322,800 \text{ Ft}^3 + 190,320 = 513,120 \text{ Ft}^3$

DIFFERENCE VOL. OF CONCRETE BELT = 30,000 FT³

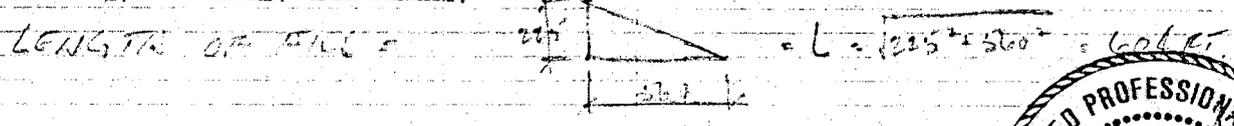
ESTIMATE TOP SAIL VOLUME:

$V_{max} = \pi \times 97 (120 + 54) = 47538 \times 170,360 = 8,090$

$V_{min} = \pi \times 97 (119.67 + 35.67) = 47537 \times 170,360 = 8,093$

ADD FOR TOP SAIL @ BASE: $\pi \times 50^2 \times 0.67 = \frac{107 \text{ Ft}}{1394} \times 2001 \text{ Ft}^3$

CONCRETE BELT VOL:



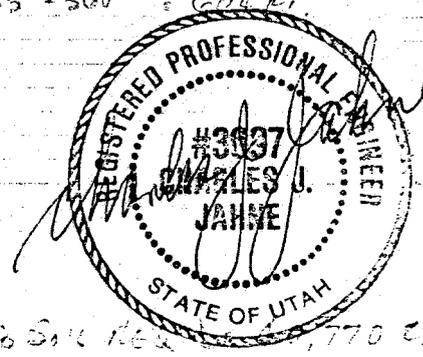
ASSUMPTIONS:

1. MERT HEIGHT OF BELT = 9' 0"
2. CONCRETE BELT RATIO (H:W) = 1.2 x 15' 0"

$V = .5 \times 15 \times 9 \times 606 = 40770 \text{ FT}^3$

SEPARATE TOP SAIL:

$V = \sqrt{9^2 + 15^2} \times 0.67 \times 606 = 7019 \text{ FT}^3$



516 S.W. 165 770 FT³

TOP SAIL VOLUME = 7103 FT³

CALCULATION SHEET

Sharon Steel Corporation

ENGINEERING DEPT., SALT LAKE CITY, UTAH

COMPUTATION FOR Quantities for Sub Soil
BP Soil and Final Recommendations

PLANT KIRKWOOD SHEET NO. 1 of 1

JOB Line 11 - 12" Diameter Well

COMPUTED BY J. K. K. DATE 12/29/81

REF. DWG. EM-183-OK-2

TOTALS:

SUB SOIL

SET. Ponds --- 156,936 FT³
 CORR. PIPE --- 56,500 FT³
 TRENCH TRENCH-OFF --- 80,000 FT³
 CORR. BELT Ponds --- 40,770 FT³

 TOTAL 334,206 FT³

12,583 TD³

+ 570 Cu. Yd. 625

 13,125

13,100 TD³

TOP SOIL

SET. Ponds --- 11,990 FT³
 CORR. PIPE --- 3,500 FT³
 TRENCH TRENCH-OFF --- 2,001 FT³
 CORR. BELT Ponds --- 7100 FT³

 TOTAL 24,591 FT³

910 TD³

+ 1070 Cu. Yd. 91

1000 TD³

