

#### 4.4 Postmining Land Use

After the recoverable coal reserves have been extracted from the United States Fuel Company property it is expected and anticipated that the current status of the existing land use area will remain unchanged. Mining in this immediate area has been ongoing since the turn of the century without any significant disruptions to existing land use.

The postmining land use of the equipment storage yard east of Slurry Pond No. 5 will be for wildlife use and grazing.

The postmining land use for the railroad corridor will be dictated by the railroad and it's activities. Disturbed lands adjacent to the railroad have already been addressed.

The equipment storage yard south of the mine office building will be dedicated to the town of Hiawatha for use as municipal vehicle storage and equipment and maintenance facilities.

An agreement has been drawn up between U.S. Fuel Company and the town of Hiawatha for the maintenance and repair of the roads leading to municipal and culinary water supplies. See Appendix IV-2 for this agreement.

#### 4.5 Socioeconomic Considerations

Carbon and Emery counties have been consistently producing coal from the Book Cliffs and Wasatch Plateau since the late 1800's. Many of the mining companies provided living quarters for employees and their families. Housing facilities in the town of Hiawatha were constructed during the World War I period by the Federal Public Housing Authority. A total of 120 housing units were completed. In addition to on-site living, the additional labor force has traditionally come from the Price area, some 15 miles northeast of Hiawatha.

The Carbon and Emery County Commissioners are very attuned to the constantly changing demand for energy development in the Castle Valley area and are perpetually planning for improved schools, roads, sewers, sanitation and cultural conditions.

#### 4.6 Bibliography

Doelling, H.H., 1972, Wasatch Plateau Coal Field, In Doelling, H.H. (ed.) Central Utah Coal Fields; Sevier-Sanpete, Wasatch Plateau, Book Cliffs and Emery, Utah Geological and Mineralogical Survey Monograph Series No. 3, Salt Lake City, Utah.

U.S. Forest Service, Intermountain Region, 1979, Land Management Plan, Ferron-Price Planning Unit, Manti-LaSal National Forest, Price, Utah

U.S. Department of the Interior, Final EIS, Development of Coal Resources in Central Utah, 1979.

#### Footnotes

1. Cook, Moreau and Peterson, Soil and Water Conservation Plan For U.S. Fuel Company, Price River Conservation District, USDA Soil Conservation Service, May, 1979.
2. U.S. Forest Service, Intermountain Region, 1979, Land Management Plan, Ferron-Price Planning Unit, Manti-La Sal National Forest, Price, Utah, 1979, page 28.
3. Clayton W. Scribner, Timber Survey-Hiawatha Compartment of Manti Working Circle, Manti National Forest, Nov. 1929.
4. Forest Service, OP. CIT., p. 165.

**4.7 Appendix**

**IV-1 United States Fuel Company  
Property  
Ownership**

APPENDIX IV-1

United States Fuel Company  
Property Ownership

APPENDIX IV-1

UNITED STATES FUEL COMPANY  
PROPERTY OWNERSHIP

Land Subdivision	Area (Acres)					Legal Document	Date of Document	Recorded Book Page	Remarks
	1	2	3	4	5				
T.15 S., R.8 E, SLBM									
Carbon County									
Section 20; E1/2, NW1/4			480			Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
N1/2 SW1/4			80			Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
S1/2 SW1/4	80					Conveyance	1/3/16	3D - 257	
Section 21; A11			640			Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
Section 26; W1/2 SW1/4	80					Warrenty Deed	6/21/76	161 - 112	
Section 27; N1/2 SE1/4, N1/2 SW1/4	160					Conveyance	1/3/16	3D - 257	
SW1/4 NW1/4, SW1/4 SW1/4	80					Conveyance	1/3/16	3D - 257	
S1/2 SE1/4, SE1/4 SW1/4	120					Conveyance	1/3/16	3D - 260	
Section 28; A11			640			Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
Section 29; NE1/4 NE1/4			40			Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
S1/2 NE1/4, NW1/4 NE1/4	120					Conveyance	1/3/16	3D - 257	
NW1/4, S1/2	480					Conveyance	1/3/16	3D - 257	
Section 30; A11	631					Conveyance	1/3/16	3D - 257	
Section 31; N1/2				316		Conveyance	1/3/16	3D - 257	Coal-U.S.A.
S1/2				316		Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
Section 32; SE1/4 NE1/4	40					Patent 12257	4/22/20	2A - 251	
N1/2 NE1/4, SW1/4 NE1/4	120					Quit Claim Deed	5/6/23	3H - 427	
NW1/4, S1/2	480					Quit Claim Deed	5/6/23	3H - 427	
T.15 S., R8 E., SLBM									
Carbon County									
Section 33; N1/2			320			Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
S1/2	320					Conveyance	1/3/16	3D - 260	
Section 34; N1/2 NE1/4, N1/2 SW1/4	160					Conveyance	1/3/16	3D - 260	
NE1/4 SW1/4, SW1/4 NW1/4	80					Warrenty Deed	12/1/17	5F - 309	
SW1/4 NE1/4, NW1/4 SE1/4	80					Patent 12499	10/14/20	2A - 252	
SE1/4 NW1/4	40					Patent 12499	10/14/20	2A - 252	
SE1/4 NE1/4	40					Patent 11722	10/20/19	2A - 226	
S1/2 SW1/4			80			Patent 10835	7/17/18	2A - 226	Coal-U.S.A.
NE1/4 SE1/4	40					Warrenty Deed	6/21/76	161 - 112	
NW1/4 SW1/4			40			Patent 1114115	6/4/42	6A - 267	Subsurface-U.S.A.
Section 35; E1/2 NW1/4, NW1/4 SW1/4	120					Warrenty Deed	6/21/76	161 - 112	
NW1/4 NW1/4	40					Patent 11723	10/20/19	2A - 226	
SW1/4 NW1/4	40					Conveyance	1/3/16	3D - 260	
T.16 S., R.7 E., SLBM									
Emery County									
Section 1; E1/2 E1/2				155		Lease SL-025431	2/8/63	B.L.M.	A11-U.S.A.
W1/2 E1/2				155		Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
Section 12; E1/2 NE1/4				80		Lease SL-025431	2/8/63	B.L.M.	A11-U.S.A.
W1/2 NE1/4, SE1/4				240		Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
E1/2 W1/2				160		Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
Section 13; E1/2, E1/2 W1/2				480		Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
T.15 S., R.7 E. SLBM									
Carbon County									
Section 12; S1/2				320		Lease U-058261	2/1/61	B.L.M.	A11-U.S.A.
Section 24; N1/2, SW1/4				480		Lease U-058261	2/1/61	B.L.M.	
N1/2 SE1/4, SW1/4 SE1/4				120		Lease U-058261	2/1/61	B.L.M.	
SE1/4 SE1/4		40				Conveyance	1/3/16	3D - 257	Surface-U.S.A.
Section 25; E1/2 E1/2		160				Conveyance	1/3/16	3D - 257	Surface-U.S.A.
W1/2 E1/2				160		Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
E1/2 NW1/4				80		Lease U-026583	2/1/61	B.L.M.	A11-U.S.A.
Section 36; N1/2 NE1/4, W1/2 SE1/4				160		Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
S1/2 NE1/4, E1/2 SE1/4				160		Lease SL-025431	2/8/63	B.L.M.	A11-U.S.A.
T.15 S., R8 E. SLBM									
Carbon County									
Section 17; S1/2 NE1/4, SE1/4			240			Patent 1013339	3/8/38	6A - 125	Subsurface-U.S.A.
E1/2 SW1/2			80			Patent 1013339	3/8/28	6A - 125	Subsurface-U.S.A.
S1/2 NW1/4, NW1/4 SW1/4			140			Conveyance	1/3/16	3D - 257	Coal-Plateau Mining
SW1/4 SW1/4	20					Conveyance	1/3/16	3D - 257	
Section 18; A11	631					Conveyance	1/3/16	3D - 257	
Section 19; A11	631					Conveyance	1/3/16	3D - 257	

APPENDIX IV-1 (Continued)

Land Subdivision	Area (Acres)					Legal Document	Date of Document	Recorded Book Page	Remarks
	1	2	3	4	5				
T.16 S., R.8 E., SLBM									
Emery County									
Section 3; W1/2	361					Conveyance	1/3/16	A5 - 318	
Section 4; Lots 1,2,3,4,5,6,7, Lots 8,9,10,11,12 SW1/4 SE1/4	201					Conveyance	1/3/16	A5 - 318	
	201					Conveyance	1/3/16	A5 - 318	
	160					Conveyance	1/3/16	A5 - 315	
	160					Warrenty Deed	5/31/19	B9 - 205	
Section 5; Lots 1,5,8,12 Lots 2,3,4,6,7,9,10,11 S1/2				140		Patent 11804	11/26/19	A2 - 50	Coal-U.S.A.
			261			Patent 11804	11/26/19	A2 - 50	Coal-U.S.A.
			320			Patent 11803	11/26/19	A2 - 51	Coal-U.S.A.
Section 6; Lots 1,2,3,4,5,6,7, Lots 8,9,10,11,12 NE1/4 SE1/4 W1/2 SE1/4, SE1/4 SE1/4 SW1/4				209		Patent 11804	11/26/19	A2 - 50	Coal-U.S.A.
				209		Patent 11804	11/26/19	A2 - 50	Coal-U.S.A.
				40		Patent 11803	11/26/19	A2 - 51	Coal-U.S.A.
				120		Patent 11803	11/26/19	A2 - 51	Coal-U.S.A.
				173		Patent 11803	11/26/19	A2 - 51	Coal-U.S.A.
Section 7; NE1/4 NE1/4 SE1/4 NE1/4, W1/4 NE1/4 SE1/4, NW1/4 SW1/4				40		Patent 110803	11/26/19	A2 - 51	Coal-U.S.A.
				120		Patent 110803	11/26/19	A2 - 51	Coal-U.S.A.
				334		Patent 110803	11/26/19	A2 - 51	Coal-U.S.A.
				173		Patent 110803	11/26/19	A2 - 51	Coal-U.S.A.
Section 8; N1/2, SE1/4 N1/2 SW1/4, SE1/4 SW1/4 SW1/4 SW1/4	480					Conveyance	1/3/16	A5 - 315	
	120					Conveyance	1/3/16	A5 - 315	
				40		Patent 1145347	7/16/54	23 - 69	Subsurface-U.S.A.
T.16 S., RB E., SLBM									
Emery County									
Section 9; W1/2, W1/2 NE1/4 W1/2 SE1/4, SE1/4 SE1/4 E1/2 NE1/4, NE1/4 SE1/4	400					Conveyance	1/3/16	A5 - 315	
	120					Conveyance	1/3/16	A5 - 315	
			120			Patent 1013339	3/8/28	A2 - 317	Subsurface-U.S.A.
Section 10; S1/2 SE1/4, SE1/4 SW1/4 SW1/4 SW1/4	120					Patent 11715	10/18/19	A2 - 19	
	40					Patent 11716	10/18/19	A2 - 20	
Section 11; SW1/4 SW1/4 SE1/4 SW1/4	40					Patent 11715	10/18/19	A1 - 19	
	40					Patent 11719	10/20/19	A2 - 21	
Section 15; SE1/4 SW1/4, W1/2 SW1/4 SW1/4 NE1/4, SE1/4 NW1/4 N1/2 NE1/4, N1/2 NW1/4 SW1/4 NW1/4	120					Conveyance	1/3/16	A5 - 315	
			80			Quit Claim Deed	7/16/18	A1 - 358	Coal-U.S.A.
	160					Patent 11717	10/18/19	A2 - 23	
			40			Patent 1126838	7/22/49	A2 - 435	Subsurface-U.S.A.
Section 16; A11	640					Conveyance	1/3/16	A5 - 315	
Section 17; A11	640					Conveyance	1/3/16	A5 - 315	
Section 18; Lot 1,2,3 E1/2, E1/2 W1/2 Lot 4				140		Patent 11807	11/26/19	A2 - 54	Coal-U.S.A.
				480		Patent 11807	11/26/19	A2 - 54	Coal-U.S.A.
					47	Patent 11807	11/26/19	A2 - 54	Coal-U.S.A.
Section 19; N1/2 N1/2 SW1/4 NE1/4, NW1/4 SE1/4		167				Conveyance	1/3/16		Surface-U.S.A.
					80	Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
T.16 S., R.8 E., SLBM									
Emery County									
Section 20; NE1/4, NE1/4 SE1/4 N1/2 NW1/4 SE1/4 NW1/4, NE1/4 SW1/4	200					Conveyance	1/3/16	A5 - 315	Surface-U.S.A.
	80					Conveyance	1/3/16	A5 - 315	Surface-U.S.A.
					80	Lease SL-069985	11/1/69	B.L.M.	A11-U.S.A.
Section 21; NE1/4, NW1/4 SE1/4 E1/2 NW1/4 W1/2 NW1/4, N1/2 SW1/4 NE1/4 SE1/4	200					Conveyance	1/3/16	A5 - 315	
	80					Conveyance	1/3/16	A5 - 315	
		160				Conveyance	1/3/16	A5 - 315	Surface-U.S.A.
			40			Patent 1013339	3/8/28	A2 - 317	Subsurface-U.S.A.
Section 22; NW1/4 NW1/4	40					Conveyance	1/3/16	A5 - 315	

The United States Fuel Company owns or leases coal rights in some 20,700 acres of contiguous coal land in Carbon and Emery Counties, Utah. This property is in the Wasatch Plateau coal field. Of this total acreage approximately 5,700 acres are Federal Leasehold and we own approximately 15,000 acres. The coal acreage is further divided as follows:

Designation of Title	Acres
1. Coal Lands - Fee Title	10,000
2. Surface Rights Only	3,000
3. Surface and Mineral Rights - Except Coal	1,000
4. Mineral Rights Including Coal - No Surface Rights	1,000
5. Coal Rights Only - Leased From U.S.A.	3,000
6. Surface and Mineral Rights - Coal Leased From U.S.A.	2,000
7. Other	700
<b>Total</b>	<b>20,700</b>

APPENDIX IV-2

Agreement

AGREEMENT

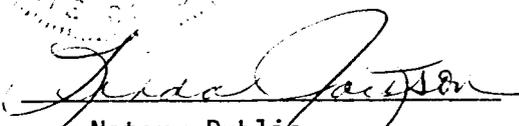
THIS AGREEMENT, entered into as of this 8 th day of February, 1984, by and between UNITED STATES FUEL COMPANY and the TOWN OF HIAWATHA.

United States Fuel Company is the owner of access roads and related drainage control structures serving coal mine facilities in the Left, Middle and Right forks of Miller Creek Canyon in Carbon County, Utah. In accordance with regulations pertaining to Surface Effects of Underground Coal Mining Activities, specifically UMC 784.15 and UMC 817.133 (Postmining Land Use), U.S. Fuel Company proposes to retain these roads upon final reclamation of mine facilities.

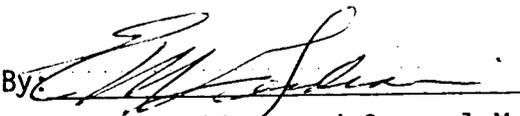
In consideration of access necessary for maintenance and repair of vital municipal and culinary water supply systems, U.S. Fuel Company proposes to grant these roads to the town of Hiawatha following final reclamation of mine facilities. The roads as well as the town water supply systems are located within the boundaries of the incorporated town of Hiawatha.

The town of Hiawatha agrees to accept and maintain the roads and related drainage structures in compliance with maintenance standards existing at the time of transferal.

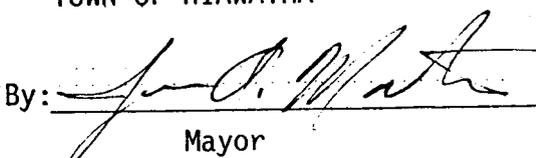


  
Notary Public  
5-21-84

UNITED STATES FUEL COMPANY

By:   
Vice President and General Manager

TOWN OF HIAWATHA

By:   
Mayor

**Exhibits  
Chapter IV**

**Land Status, Land-Use and Postmining Land Use**

Chapter V

HISTORICAL AND CULTURAL RESOURCES

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CHAPTER V HISTORICAL AND CULTURAL RESOURCES

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## 5.1 Scope

United States Fuel Company controls, in fee and through a variety of leases, 20,700 acres of land in Carbon and Emery Counties, Utah. The King Mine Complex represents a consolidation of the original King, Hiawatha, Blackhawk, and Mohrland mines. These mines have been active since the late 1890's, and through 1979 had produced over 56 million tons of coal. Ownership of the coal lands was established around the turn of the century. Any disturbance of the lands from underground coal mining would have already occurred from this long established mining area.

## 5.2 Historical Resources

The Historical Inventory is comprised primarily of the town of Hiawatha itself. Carbon and Emery Counties, Utah have been consistently producing coal from the Book Cliffs and Wasatch Plateau since the late 1800's. Many of the mining companies provided living quarters for employees and their families. The town of Hiawatha housing facilities were constructed during the World War I period by the Federal Public Housing Authority. A total of 120 housing units were completed at the town of Hiawatha.

History of mining for the United States Fuel Company extends from beyond the turn of the century.

The following mines are located in the following areas which are illustrated on Exhibit I-2.

<u>Mine</u>	<u>Seam</u>	<u>Area</u>
King No. 4	B	Middle Fork of Miller Creek North Side of Canyon West of Hiawatha Mine
King No. 5	B	Middle Fork of Miller Creek South Side of Canyon West of Hiawatha Mine
King No. 6	Hiawatha	South Fork of Miller Creek West of King No. 3 Mine
King No. 7	Hiawatha	Cedar Creek East of Mohrland
King No. 8	Upper	Cedar Creek East of Mohrland

The King No. 4 mine has been operating in the B seam since 1974.

Portal facilities for the King No. 4 mine are located on the north side of the middle fork of Miller Creek Canyon. King 4 is approximately 1,000 feet west of the old Hiawatha No. 1 mine on the north side of the canyon. This Hiawatha No. 1 mine operated in the Hiawatha seam from 1905 to 1931.

On the south side of the middle fork of Miller Creek Canyon, the King No. 5 mine has been operating in the B seam since 1978. Portal facilities for the No. 5 mine are located on the south side of the canyon, approximately 1,000 feet west of the old Hiawatha No. 2 mine which also operated from 1905 to 1931.

This particular portion of Miller Creek Canyon has had underground coal mining associated with it since before the turn of the century.

The King No. 6 mine is located on the north side of the south (left) fork of Miller Creek Canyon, approximately 500 feet northwest of the old King No. 3 mine which operated from 1898 to 1970 in the Hiawatha seam.

This portion of Miller Creek Canyon has had underground coal mining associated with it from the late 1890's until most recently.

Cedar Creek Canyon is the proposed area for the King No. 7 mine, which will mine the Hiawatha seam as did the Mohrland (King 2) mine from 1896-1938. Portal facilities will be located on the south side of Cedar Creek Canyon, approximately 1,000 feet southeast of the old Mohrland portal.

The King No. 8 mine portal facilities will also be on the south side of Cedar Creek Canyon. Mining will take place in the upper seam.

Coal mining is not new to this canyon. Cedar Creek Canyon has had underground coal mining associated with it from 1896 to 1938. Any associated impacts of the area have been long established.

Effects of mining on Historical Resources are projected to be minimized and negligible.

### 5.3 Archeological Resources

Around 13,000-10,000 B.C., man's activities in the area are thought to have marked the beginning of the Great Basin Archaic Cultures. As early as 450 A.D., the Fremont culture utilized the river valleys both east and west of the Wasatch Plateau. In 1877, Mormons settled into the Castle Valley area and intermittently mined coal from that time until most recently.

From a recent search conducted by the Division of State History (Utah State Historical Society), no known sites were located on the United States Fuel Company property. This clearance letter is included in Appendix V-1.

Effects of mining on archeological resources are projected to be negligible or nonexistent, based upon the clearance by the State of Utah.

In 1983 a survey for archeological resources was conducted. It was performed on a small area in Middle Fork Canyon adjacent to the existing mine yard where a new breakout from the mine was to occur. Nothing significant was noted during this survey. Refer to Appendix III-12 for "A Cultural Resource Inventory of Miller Creek Surface Facilities in Carbon County For U.S. Fuel".

Additional comments on compliance with historical and cultural resource requirements are located in Chapter III, subsection 3.4, pages 1 and 2.

#### 5.4 Paleontological

The Paleontologic Inventory consists primarily of casts of dinosaur footprints which are infrequently found in the roof of underground coal mines. Dinosaur bones are most commonly found in the Morrison formation of Jurassic age, which is stratigraphically significantly lower in the section than the Cretaceous age, Black Hawk formation.

Effects on mining on Paleontologic Resources are anticipated to be minimized and negligible.

### 5.5 Public Parks

Inventory of public facilities associated with the United States Fuel Company property is in the form of the Manti Lasal National Forest bordering the property on the west, northwest, and southwest which is illustrated on Exhibit I-2.

The effects of underground coal mining on the Manti Lasal National Forest will be minimized. A cooperative agreement between U. S. Fuel and the Forest Service, for subsidence monitoring, was signed in September of 1979. This letter is included in Appendix V-2. Access into the Manti Lasal National Forest from the United States Fuel Company property will continue to remain open and unchanged.

## 5.6 Bibliography

- Doelling, H. H., 1972, Wasatch Plateau Coal Field, In Doelling, H. H. (ed.) Central Utah Coal Fields; Sevier-Sanpete, Wasatch Plateau, Book Cliffs and Emery, Utah Geological and Mineralogical Survey Monograph Series No. 3, Salt Lake City, Utah.
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- Spieker, Edmund M., The Wasatch Plateau Coal Field Utah, U. S. Geological Survey, Washington, D. C., Bulletin 819, 1931.
- U. S. Department of the Interior, Final EIS, Development of Coal Resources in Central Utah, 1979.

**5.7 Appendices**

**V-1 Clearance Letter**



SCOTT M. MATHESON  
GOVERNOR



STATE OF UTAH  
DEPARTMENT OF COMMUNITY AND  
ECONOMIC DEVELOPMENT

March 3, 1980

Division of  
State History  
(UTAH STATE HISTORICAL SOCIETY)

MELVIN T. SMITH, DIRECTOR  
307 WEST 2ND SOUTH  
SALT LAKE CITY, UTAH 84101  
TELEPHONE 801/533-5755

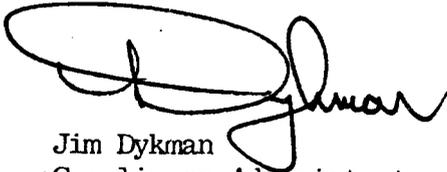
Mr. Robert Eccli  
Mine Engineer  
United States Fuel Company  
Hiwatha, Utah 84527

Dear Mr. Eccli:

As requested by your letter of February 22, 1980, a site search was completed of the area located on the map furnished by your office. The search located no known archeological or cultural sites. There are a number of known sites in the area, but none are located on your property. Also enclosed is a copy of 36 CFR 800 and a list of surveyors as requested.

If our office can be of further help on advise, please contact me.

Sincerely,



Jim Dykman  
Compliance Administrator

JLD:re

Enclosure: