APPENDIX 7-13

MUNICIPAL WATERSHED DESCRIPTION

APPENDIX 7-13

AIR QUALITY

APPROVAL ORDER

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Manti-LaSal NF

REPLY TO: 2540 Municipal Watersheds

November 30, 1979

SUBJECT: Orangeville Municipal Water Supply

TO: Branch Chief, Watershed

While assembling data for the Cottonwood Mine Plan review, which is within the Orangeville Minicipal Watershed, the following information about the Orangeville water supply system was obtained.

The water supply system is operated by the Castle Valley Special Services District, Office in Castle Dale, phone 748-5333. The Castle Valley Special Services District diverts its water from the Mammoth Canal owned and operated by the Cottonwood Creek Irrigation Company. The Cottonwood Creek Irrigation Company diverts water from Cottonwood Creek at Nw corner of SE¼, SE¼, Sec. 14, T18S, R7E. The current diversion structure is old but plans are being implemented to rebuild the diversion structure in 1980.

The state of Utah requires "complete" water treatment which consists of flocculation, coagulation, sedimentation, filtration and disinfection. This treatment is provided, but it does not remove many possible chemical contaminents, and large amounts of oil and grease will quickly exceed the capacity of the filtration system.

The population served is 1100 estimated to expand to 2200 by 1990.

G. DENNIS KELLY

G. DENNIS KELLY
Hydrologist

cc: D-2
D-3

DKelly:jmc

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Manti-LaSal NF

REPLY TO: 2540 Municipal Water Supplies

March 26, 1980

SUBJECT: Huntington Water Source

TO: B.J. Graves, Branch Chief - Watershed

The municipal water supply for Huntington consists of two spring sources; Big Bear Spring and Little Bear Spring, and a surface water diversion from Huntington Creek. The spring development consists of spring box. The estimated water flow is 130 gallons per minute for Big Bear Spring and about 120 for Little Bear Spring. The waters from the springs are piped to the treatment plant.

The Big Bear Spring is located near the north side of Section 25, T16S, R7E near the National Forest line. The spring is in the valley, but removed a little ways from the Bear Creek. The Little Bear Spring is located near the center of Section 9, T16S, R7E in Little Bear Canyon. The diversion from Huntington Creek is in Section 8, T17S, R8E near the treatment plant.

The surface waters receive complete treatment; the spring waters receive disinfection only. The treatment plant was made operational in 1979. The water from this system serves a population of about 3200 persons.

This description indicates that the entire Huntington Creek watershed is the municipal supply for the town of Huntington, Utah. The water treatment plant is operated by the Castle Valley Special Services District.

G. DENNIS KELLY

G. DENNIS KELLY
Hydrologist

cc: D. Kelly
D-3
L. Foster
Geologists

GDKelly:jmc

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Manti-LaSal NF

REPLY TO: 2540 Municipal Watersheds

November 30, 1979

SUBJECT: Castle Dale Municipal Water Supply

TO: Branch Chief Watershed

While assembling data for the Cottonwood Mine Plan review, which is within the Castle Dale Municipal Watershed, the following information about the Castle Dale water supply system was obtained.

The water supply system is operated by the Castle Valley Special Services District, Office in Castle Dale, phone 748-5333. The Castle Valley Special Services District diverts its water from the Mammoth Canal owned and operated by the Cottonwood Creek Irrigation Company. The Cottonwood Creek Irrigation Company diverts water from Cottonwood Creek at NW corner of SE¼, SE¼, Sec. 14, T18S, R7E. The current diversion structure is old, but plans are being implemented to rebuild the diversion structure in 1980.

The State of Utah requires "complete" water treatment which consists of flocculation, coagulation, sedimentation, filtration and disinfection. This treatment is provided, but it does not remove many possible chemical contaminents, and large amounts of oil and grease will quickly exceed the capacity of the filtration system.

The population served is 2500 estimated to expand to 3500 by 1990.

G. DENNIS KELLY

G. DENNIS KELLY
Hydrologist

cc: D-2
D-3

DKelly:jmc

BR

Exhibit 2

HUNTINGTON WATER SYSTEM

Provides Water for Huntington, Cleveland and Elmo

Town	Number Connections	Population
Huntington	770	2,200
Cleveland & Elmo	281	880
Totals	1,051	3,080

From

S. Bryce Montgomery, Geologist. 1991
Hydrologic Investigation ~~&~~ Report of Big Bear
~~[illegible]~~ Spring & Birch Spring relative to Coop
Mining Co past present + proposed coal mining.

See w/s 04 - 422 Bear Canyon

United States
Department of
Agriculture

Forest
Service

Manti-LaSal N.F.

Reply to: 2540 Municipal Supply Watersheds

Date: July 25, 1987

Subject: Huntington Water Source

To: Branch Chief, Watershed

The municipal water supply for the City of Huntington consists of two springs, two shallow wells and a surface water diversion from Huntington Creek.

The two springs are Bear Spring in Bear Canyon and Little Bear Spring in Little Bear Canyon. The spring developments each consist of a spring box. The estimated flow of water is 130 gallons per minute for Bear Spring and 120 for Little Bear Spring. Bear Spring is near the north side of Section 25, T. 16 S., R. 7 E., SLB&M. The spring is in the valley, but removed a little ways from Bear Creek. Little Bear Spring is near the center of Section 9, T. 16 S., R. 8 E., SLB&M. ? 19

The two wells are in the Gentry Hollow fork of Tie Fork Canyon. One well was drilled by a seismic crew and hit artesian water. Huntington City developed the well for their use. The second well was drilled for coal exploration and also hit artesian water. Both wells were cased to a depth of 20 feet. The two wells are about 100 feet apart and are located in Section 35, T. 15 S., R. 7 E., SLB&M. A third well may soon be added.

The surface water diversion is below the confluence of Fish Creek and Huntington Creek in Section 8, T. 17 S., R. 8 E., SLB&M and is used only during periods of low water.

The spring water receives disinfection only; the surface water receives complete treatment. The treatment plant was made operational in 1979. The water treatment plant is operated by the Castle Valley Special Services District. The water supply system serves about 3200 people.

Therefore, the entire Huntington Creek watershed is the municipal supply for Huntington.

Little Bear Canyon is designated (FSH 2509.17) as Subwatershed 301 which is tributary to Subwatershed 600 Huntington Creek. Bear Canyon is designated as Subwatershed 422 of Watershed 04 Huntington Canyon. Bear Canyon flows to the Forest boundary and on to Huntington Creek. Gentry Hollow is designated as Subwatershed 425 which is tributary to Subwatershed 502 Tie Fork Canyon which is tributary to Huntington Creek. Huntington Creek is tributary to the San Rafael River which is tributary to the Green River which is tributary to the Colorado River which flows to the sea at the Gulf of California.

G. Dennis Kelly
Hydrologist