



0036

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 6, 1988

TO: Dianne R. Nielson, Director
FROM: P. Grubaugh-Littig, Reclamation Engineer *pgl*
RE: Water Rights Status, Kaiser Coal Corporation, Sunnyside, ACT/007/007, Folder #2, Carbon County

There are 82 Kaiser water rights with various status: diligence claim, decreed, approved, certificated, disallowed, rejected unapproved, and underground water claims. In this memo I have included only those water rights that are approved, certificated, decreed, with diligence claim, and underground water claims. I have divided them according to the different water sources. All of this information is from a May 19, 1988 Division of Water Rights printout.

The total value of the water rights (excluding those involved with the sales to Environmental Power [Price River] and the Intermountain Power Association [Horse Canyon and Wellington]) is about 6.8 million dollars.

Grassy Trail Creek -	\$5,668,500
Range Creek	\$1,118,000
Unnamed Springs	\$ 749
Underground	\$ 4,289
	<u>\$6,791,538</u>

The detail of the development of these water rights values follows:

GRASSY TRAIL CREEK

<u>WATER RIGHTS NUMBER</u>	<u>FLOW</u>
91-361	0.500 cfs
91-369	0.250 cfs
91-114	1.800 cfs
91-372	5.575 cfs
91-84	2.000 cfs
91-368	0.625 cfs
91-367	0.875 cfs
91-125	5.000 cfs
91-118	5.000 cfs
91-362	1.000 cfs
91-28	2.200 cfs
91-159	5.000 cfs
	<u>29.825 cfs</u>

29.825 cfs = 21,593 ac-ft/yr

91-158	65.00 ac-ft
91-144	33.33 ac-ft
91-145	16.67 ac-ft
91-143	16.67 ac-ft
91-178	916.00 ac-ft
91-146	33.33 ac-ft
	<u>1081.00 ac-ft</u>

The combined flow for the water rights equals 22,674 ac-ft/yr. According to the Higginson-Barnett, Consultants report (dated June 23, 1983), the Grassy Trail Creek value is about \$500 per annual acre foot. However, the Grassy Trail right is only about a 50% water supply.

Page 3
Dianne R. Nielson, Director
ACT/007/007
June 6, 1988

THEREFORE:

$$\frac{22,674}{2} \text{ ac-ft} = 11,337 \text{ ac-ft} \times \frac{\$500}{\text{ac-ft}} = \$5,668,500 \text{ Grassy Trail Creek}$$

RANGE CREEK

<u>WATER RIGHTS NO.</u>	<u>FLOW</u>
91-298	2.000 cfs
91-33	2.000 cfs
91-55	1.239 cfs
91-192	1.500 cfs
91-81	0.560 cfs
91-89	0.422 cfs
	<u>7.721 cfs</u>

$$7.721 \text{ cfs} = 5590 \text{ ac-ft/yr}$$

The Higginson - Barnett Consultants did not address the Range Creek water rights. A conservative estimate for these water rights would be \$200 per ac-ft per year.

$$5590 \text{ ac-ft/yr} \times \$200/\text{ac-ft/yr} = \$1,118,000 \text{ (Range Creek)}$$

UNNAMED SPRINGS

<u>WATER RIGHTS NUMBER</u>	<u>FLOW</u>
91-3914	0.400 cfs
91-100	0.500 cfs
91-1635	0.015 cfs
91-98	0.005 cfs
91-4270	0.015 cfs
47-15	0.100 cfs
	<u>1.035 cfs</u>

$$1.035 \text{ cfs} = 749 \text{ ac-ft/yr}$$

At a conservative estimate of \$100/ac-ft/yr, the value of the "unnamed springs" water rights would equal \$749.

Page 4
Diane R. Nielson, Director
ACT/007/007
June 6, 1988

UNDERGROUND

91-231	2.220	cfs
91-255	0.210	cfs
91-138	1.070	cfs
91-254	0.015	cfs
91-231	2.220	cfs
91-332	0.189	cfs
	<u>5.924</u>	<u>cfs</u>

5.92 cfs = 4289 ac-ft/yr

At a conservative estimate of \$100/ac-ft/yr the value the underground water rights would be \$4,289.

The water rights for the Environmental Power Corporation and Intermountain Power Association are included for information only but were not included in the water rights values.

The Horse Canyon and Wellington Water rights proposed for sale to Intermountain Power Association are:

<u>WATER RIGHTS NUMBER</u>	<u>FLOW</u>
91-148	0.3 cfs
91-150	0.1 cfs
91-183	0.8 cfs

The Price River Water Rights that were included in the Environmental Power Corporation sale are:

<u>WATER RIGHTS NUMBER</u>	<u>FLOW</u>
91-215	10.0 cfs
91-216	5.0 cfs
91-241	5000 ac-ft
91-371	5.19 cfs

PGL/as
cc: K. May
L. P. Braxton
J. J. Whitehead
9075R/59-62