File

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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September 13, 1985

CERTIFIED RETURN RECEIPT REQUESTED
P-592-429-561

Mr. Keith Zobell
Environmental Engineer
Utah Fuel Company
P.O. Box 719
Helper, Utah 84526

Dear Mr. Zobell:

RE: Mine Water Discharge Strip Chart Recorder Installation, Skyline Mine, Utah Fuel Company, ACT/007/005, Folder #7, Carbon County, Utah

As per your phone conversation with Randy Harden on September 13, 1985, the Division shall send Mr. Harden and Mr. Summers or other suitable representatives to the Skyline Mine site on September 16, 1985. You should expected them to arrive on the site at about 10:30 a.m.

It is expected that the strip chart recorder for monitoring the discharge of mine water will be installed and operable prior to arrival of these people on site. The Division's representatives shall then approve the installation of the strip chart recorder and assist in the calibration of the unit in conjunction with the flow meter currently installed for mine water discharge.

The Division shall also bring to the mine site additional rolls of recording paper to be used with the strip chart recorder.

In order to determine that the equipment is operating properly, the Division has provided a list of procedures for checking data on the strip chart recorder as well as a form for the collection of data. These items are enclosed.

Should you have any questions or problems with the installation date or the enclosed procedures, please call.

Thank you for your cooperation in this matter,

Sincerely,

L. P. Braxton

L. P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

Enclosures
JRH:jvb
cc: R. Harden
J. Helfrich
R. Summers
1011R-28

September 13, 1985

OPERATION PROCEDURES FOR RUSTRAK 288 STRIP CHART RECORDER
SKYLINE MINE - ACT/007/005

General Equipment Specifications and Information:

Rustrak, Model 288 Single Channel Recorder
Usable Chart Width - 2 5/16"
Chart Length - 63 feet
Chart Speed - 1" per hour
Chart Motor Voltage - 115vac
Input Range - 4 to 20 mA
Internal Shunt - 6.25 Ohms
Striking Rate - 1 per 12 sec. to 4 per sec.

Vendor:

Control Equipment Co.
265 Crossroads Square
Salt Lake City, Utah 84115
(801) 487 - 7741
Contact: Thain Scow

Installation:

Strip chart recorder to be installed in accordance with manufacturer's instructions enclosed with the instrument. Recorder shall be connected to the operator's Dynasonics Mag Meter, Model MP1001F, according to manufacturer's instructions for a signal output of 4-20 mA. Calibration of the strip chart recorder shall be in accordance with the manufacturer's procedures for calibration.

Operation:

Operation of the strip chart recorder shall commence on September 16, 1985 and shall continue for a period of 120 calendar days. The ending date for operation required for NOV abatement shall be January 14, 1986. Failure of the strip chart recorder to record or function properly, regardless of the cause or reason shall extend the ending date for operation according to the following:

1. If the recorder fails to record or function properly for a period of 5 consecutive days (120 hours) or for a cumulative amount totaling 10 days (240) hours during any given 30 day period, the ending date for the operation of the recorder shall be increased by one day for each and every day that the recorder fails to function or by the cumulative amount of time that the recorder fails to operate during the 30 day period, whichever is greater.

2. One day shall be considered any 24 hour period in which the recorder fails to function. In determining the number of days in which the unit fails to operate, the fractional part of that day shall be rounded up to the next day for periods equal to or greater than 12 hours and shall be rounded down for fractional total which are less than 12 hours. Accordingly, if the recorder operates properly for a period equal to 12 hours or greater, the unit shall be considered to have operated properly for that full day. Cumulative totals shall be determined by the summation of 1 hour increments or greater.

3. Over the entire period in which the recording device is installed, a total of at least 2,400 hours of strip chart information must be accumulated, with proper identification and documentation on the Strip Chart Data Sheets in order to determine the collection of data to be sufficient to abate the NOV. Strip chart recording of information will be required regardless of the number of calendar days passed until this minimum requirement has been met.

The operator shall maintain and operate the recorder in accordance with the manufacturer's instructions. The operator shall also be responsible for changing and making proper notation on the strip charts as required to ensure that the information on the charts is accurate and corresponds to the information collected on the Strip Chart Data Sheets.

Data Collection:

Upon initial installation of the strip chart recorder, daily recordings shall be taken for at least the first five consecutive working days (week-days) of operation to ensure that the recording device is operating properly. If the device is found to not be operating properly, the operator shall notify the Division within 1 working day (week-day) from the discovery of the problem by phone, with follow up in writing as to the nature of the problem and the date that the problem occurred to be sent to the Division within 15 calendar days from the date that the problem was first noticed. The Division shall then take action as required to remedy the problem in a timely manner.

When the strip chart is found to be operating correctly and information has been recorded for five consecutive working days (week-days), the operator shall then monitor and record the required information of a weekly (7 calendar day) basis.

If failure of the strip chart recorder occurs as described above in the Operation Section or if repairs or adjustments to the strip chart recorder require recalibration of the unit, then the operator shall repeat the same procedures as for the initial installation as described above when the unit is re-started.

Recording of information shall consist of providing the information required on the Strip Chart Data Sheet and making pertinent information on the strip chart itself. Information on the Strip Chart Data Sheet is self explanatory, refer to the attached copy. Information on the strip chart itself shall consist of a making a line across the chart paper marking the reading, the date, the time and the initials of the person taking the reading from the strip chart recorder. These markings on the strip chart should correspond to the information filled out on the Strip Chart Data Sheets.

The Division shall pick up the strip charts and the Strip Chart Data Sheet from the operator at the mine site. The Operator shall retain copies of the Strip Chart Data Sheets at the mine and these copies shall be available to the Division for review upon request while on the mine site.

STRIP CHART DATA SHEET

From date:_____ To Date:_____

DATE	TIME	INITIALS	STRIP CHART PEN READING	MAG FLOW METER INDICATOR READING	MAG FLOW METER TOTALIZER READING	COMMENTS