



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

December 29, 1986

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CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mrs. Dorothy Runnels, President
Araho, Inc.
P. O. Box 937
Lovington, New Mexico 88260

RE: DISCHARGE PLAN APPLICATION GW-37
AFAHO, INC.
L. C. STATE WELLS NO. 1 AND NO. 2

Dear Mrs. Runnels:

We have received and are in the process of reviewing your addendum, dated December 2, 1986, to your discharge plan application. The information contained in the submittals adequately addresses the requirements of the WCCC Rules and Regulations and applicable OCD Rules and Regulations.

An item of clarification needs to be addressed concerning constituent testing of the effluent waste stream. As you already know the source of industrial effluent you will be receiving, the following constituents need to be analyzed for as soon as the effluent is available, and yearly thereafter:

1. Aromatic and halogenated hydrocarbon scan by EPA Methods 601 and 602. This analysis will determine the concentration of benzene, toluene, and xylene, and the presence of chlorinated solvents. The latter are considered "hazardous wastes" and should not be in the refinery's waste stream.
2. General water chemistry, to include calcium, magnesium, potassium, sodium, bicarbonate, chloride, sulfate, carbonate, TDS, pH and conductivity.
3. Heavy metals (by ICAP Scan) to include aluminum, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese molybdenum, nickel, silver, strontium, and zinc.
4. Heavy metals by atomic absorption to include As, Hg.

The following constituents need to be analyzed for quarterly:

1. chloride, pH, TDS, chromium and lead.