

STATE OF NEW MEXICO

P.O. Box 968, Santa Fe, New Mexico 87504-0968 (505) 984-0020 STEVEN ASHER, Director TONEY ANAYA GOVERNOR

ROBERT McNEILL SECRETARY

ROBERT L. LOVATO, M.A.P.A. DEPUTY SECRETARY

> JOSEPH F. JOHNSON DEPUTY SECRETARY

April 11, 1984

Mr. John Andrews U.S. Department of Interior Bureau of Land Management 3550 Pan American Freeway Albuquerque. New Mexico 87107

Dear Mr. Andrews:

The purpose of this letter is to provide the BLM with a final progress report on Gulf's reclamation project at Mariano Lake as pertains to the EID radioactive material licensed ION exchange facility and the associated three lagoons with interconnected roadway. This letter reflects the subject content of our conversations during the meeting in your office on April 3, 1984 at which time this project was discussed in depth with Mr. Dale Jones and yourself.

OBJECTIVE OF RECLAMATION:

The objective of the remedial action project at the Gulf Mariano Lake licensed ION Exchange Facility with associated mine water treatment lagoons was to:

(1) decontaminate and dismantle the ION exchange plant for resale;

(2) drain the three lagoons and remove radioactive sludge;(3) recontour the land to its original condition; and,

(4) revegetate the site with an appropriate grass seed mixture native to this region.

The underground mine, mine yard, ore storage pad, associated equipment and buildings, and ION exchange complex were considered one integral area that necessitated close cooperation and coordination between the Environmental Improvement Division and the U.S. Bureau of Land Management (BLM) during every phase of the reclamation project. The BLM exercised overall jurisdiction and provided the technical expertise to the Bureau of Indian Affairs, as the project was located on Indian Allotted Lands.

BLM managed the reclamation project in the areas of underground mine closure, above ground mine yard and ore storage pad restoration, associated mine complex buildings and equipment decontamination and dismantling, surface land decontamination and contouring, and revegetation for the main mining yard complex. The EID's jurisdiction was related to the adjacent ION exchange plant and associated lagoons. Early in the project the EID and BLM agreed to provide Gulf Oil Corporation with similar radiological clean-up standards to insure

9805080010 840411 PDR ADOCK 04008908 C PDR Mr. John Andrews April 11, 1984 Page 2

consistency in the radiological clean-up effort. During all phases of the reclamation program the two agencies continued to work closely to assure successful completion of the project.

Ion Exchange Facility:

The plant was decontaminated, dismantled and sold. EID personnel surveyed the ION exchange and holding tanks, piping network, plant building and equipment to verify that decontamination measures met the unrestricted usage criterion. The facility and associated equipment were decontaminated to acceptable levels for unrestricted use.

Lagoons:

The mine water holding lagoons were drained and the radioactive sludge material removed and mixed with uranium ore located at the site. The ore was then transported to a licensed uranium mill for processing. The synthetic lagoon liners were taken to the main mine yard former ore storage pad area for subsequent burial with mine overburden material.

Vegetation;

The land was contoured to essentially its original condition and reseeded with plant species native to the region. Revegetation efforts appear quite successful.

Protocol for Radiological Surveys

a. The protocol employed by the Radiation Protection Bureau for surface gamma measurements, and surface and subsurface soil sampling techniques, was to divide the licensed area into sections of 100 square feet (ft²). The site was staked and marked with nylon cord. External gamma measurements were taken at 1 meter above the ground surface at each wooden stake and measurements were also taken in the center of each 100 (ft²) section. The grid pattern was referenced to the southeast enclosure fenceline boundary of the ION exchange area to facilitate reestablishment of the grid pattern in the event this action was required at a later date.

Surface soil samples (10cm width x 5 cm depth, sample size of 1 kg) were collected at each grid point inter-section throughout the ION exchange complex with surface and subsurface (15 cm depth 1kg sample size) soil samples collected and composited at five other locales. One sampling site was the location of the former ION exchange building. All soil samples were sent to the State Laboratory for radiochemical analysis of Ra-226, and Unat. As a quality assurance measure, a random selected split sample was submitted to an independent laboratory for analysis.

Mr. John Ancrews April 11, 1984 Page 3

b. Direct Gamma Radiation on Site

Samma measurements were taken at the 100° grid intersections over the entire site at 1 m above the surface. Additional measurements were taken at the midpoint of each 100° (ft²) block. These measurements were taken with an Eberline Model PRM-7, portable micro "r" meter.

c. Soil Sampling

Sofl samples were collected at the 100' grid pattern locales throughout the site and the soil samples were composited into fourteen groups. Rationale for the compositing array was determined from results of the gamma survey.

d. Instrumentation

- (1) A micro-roentgen survey meter (Eberline PRM-7 lightweight portable NaI(T1) scintillator), coupled to a photo multiplier tube was used to survey the site. Cross check of the micro-R meter readings was accomplished on the site using a pressurized ionization chamber (PIC), which is not so energy dependent.
- (2) The PIC Reuter-Stokes Environmental Radiation monitor Model RSS-11 is an accurate and stable instrument for measurement of exposure rates. The PIC was positioned at five locations and measurements were compared with PRM-7 measurements.
- (3) An RGM-1, Continuous Radon Sampler, was positioned in the center of the project site and operated over a six hour period using a portable electric generator as a power source.

Results

a. Analysis of measurements obtained with the PRM-7 indicate one hot spot, 240 µR/hr, which was localized in the northeast quadrant of the property. This turned out to be a relatively small isolated area, approximately one square meter, of contaminated soil. These elevated levels were readily detectable in this area and appropriately marked. Since the survey was conducted jointly with Gulf site personnel, corrective action was implemented

Mr. John Increws April 11, 1984 Page 4 immediately to remove contaminated soil for appropriate disposal. A resurvey of the spot on July 14, 1983 reflected essentially twice background gamma readings of 25 µR/hr. b. Surface measurements obtained for the entire licensed facility are listed in attachment 2. c. The PIC measurements compared favorably with PRM-7 readings. The comparision of the five measurements, taken at identical locations, reveals an average PRM-7 reading of 11.8 µR/hr vs. average PIC measurements of 13.6 µR/hr. The PIC measurements averaged 14% higher than the average PRM-7 readings. Background gamma levels were previously determined to average 13-15 µr/hr. The overall site gamma readings (PRM-7) averaged 14.8 µR/hr. Correcting PRM-7 measurements would result in an overall average of 16.9 µR/hr for the entire site. d. The RGM-1 was operated continuously over a six hour period with

d. The RGM-1 was operated continuously over a six hour period with 20 minute print-out readings. Radon values for this sampling period averaged .356 pCi/l. The 48-hour Tedlar bag samples taken on July 12-14, 1983 resulted in an estimated annual concentration level of .254 + .252 pCi/l for Rn. Reference attachment 3. Background levels were previously established at .55+ .07 pCi/l.

e. Results for Ra-226 and Unat content of soil samples are listed in Attachment 1. Ra-226 levels averaged 0.377 +0.416 pCi/g and Unat levels average 8.8 +12.4 µg/g. Background Ra-226 soil levels had been previousTy established at 0.5+.2 pCi/g.

Summary

- a. The Ra-226 content in composited surface and subsurface soil samples, exposure rate surveys and radon in air measurements are well below the standards and the ALARA objectives outlined in the Radiation Protection Bureau letters to Gulf Resources Corporation, dated July 2, and November 23, 1982 (attachment 4). Minimum cleanup standards were established at 70 µR/hr for ambient gamma measurements @ 1 m and 3 pCi/l radon @ 5 feet. Target level goals for gamma were established at 25 µR/hr and 10 pCi/g Ra-226 in the soil. Target levels were established to ensure compliance with the ALARA principle. Current standards recently promulgated by EPA for inactive and active uranium mill tailings sites specify that concentrations of Ra-226 in land averaged over any area of 100 square meters shall not exceed the background levels by more than:
 - (1) 5 pCi/g averaged over the first 15 cm of soil below the

Mr. John Andrews April 11, 1984 Page 5

surface, and (2) 15 pCi/g averaged over 15 cm thick layers of soil more than 15 cm below the surface.

b. The results achieved by the reclamation effort for Ra-226 levels in soil were well below the current EPA criterion and the EID guidance. Levels averaged 0.377 +.416 pCi/g with the highest measurements being 1.51+0.4 pCi/g, which is still considerably under the 5 pCi/g EPA standard. No general applicable standards are available for Unat. Averaged Unat Concentrations for Unat in in the reclaimed ION exchange site averaged 8.8 +12.4 µg/g.

Conclusion

The Gulf ION exchange facility with associated equipment and supporting lagoon network was decommissioned and reclaimed in that the remaining residual radiation contamination is low enough to permit release of the land for unrestricted access. Termination of Gulf's Mariano Lake Radio-active Material License will not adversely affect public health or safety. Therefore, the EID anticipates termination of Gulf's Mariano Lake Radioactive Material License NM-GUL-IX-OO dated January 12, 1979 with all amendments thereto by May 31, 1984. It has been a distinct pleasure working with the BLM professional staff on this reclamation project and we look forward to cooperating on joint future endeavors involving uranium reclamation activites.

Sincerely,

Uranium Licensing Section

SS/cvg

cc: Felix Miera, Program Manager, ULS Jere Millard, Program Manager, SAS Ted Brough, Milan

MARIANO LAKE SOIL SAMPLES

SAMPLE COMPOSITE	GROSS ALPHA (NAT URAN)	NATURAL URANIUM (µg/g)	RA-226 (pCi/g)
1	11 <u>+</u> 2	2.7	0.26+0.02
2	24 <u>+</u> 3	7.4	0.37+0.02
3	14 <u>+</u> 2	3.0	0.22+0.02
4	90 <u>+</u> 10	28.3	1.51+0.04
5	56+7	43.3	0.88+0.02
6	59 <u>+</u> 7	17.6	0.87+0.02
7	14+2	4.1	0.16+0.02
8	11 <u>+</u> 2	2.7	0.15+0.02
9	14+2	4.0	0.17+0.02
10	12 <u>+</u> 2	3.0	0.17 <u>+</u> 0.02
11	12 <u>+</u> 2	2.7	0.13 <u>+</u> 0.02
12	10 <u>+</u> 2	1.7	0.11+0.02
13	10+2	1.9	0.20+0.02
14	12 <u>+</u> 2	2.0	0.08+0.02
		8.8+12.4	·377±416

⁽a) Soils sieved through 2mm screen prior to analyses.

STATE LAB RESULTS

MARIANO LAKE SOIL SAMPLE

SOIL SAMPLE COMPOSITE # 14

Radionuclide	SLD1	EDA ²
U-Nat (ug/g)	2.0	5.0
Ra-226 (pCi/g)	0.08+0.02	2.0+1.0
Th 230		1.4+0.5
Po 210		2.3+0.4
Pb 210		-0.3+1.0

Scientific Laboratory Division EDA Instruments Inc. 1.

^{2.}

URANIUM MILL THORIUM 230/PCB CONTAMINATION

While accomplishing a soil decomtamination of their old uranium mill, the Cotter Corporation did experience difficulties in properly disposing of materials contaminated with Th-230 and polychlorinated biphenyls(PCBs) and in maintaining airborne radioactive materials concentrations below the MPCa. As the contamination involved both radioactive and hazardous materials. they could not be disposed of at either a Low-Level Radioactive Waste Disposal Site or a Hazardous Waste Disposal Site without separating the materials.

The project was a soil decontamination at their old Catalyst Plant from November 28, 1983 to January 23, 1984. Sixty-one(61) employees worked on the project during which potential (respirators were used) overexposures occurred involving twenty-seven (27) of the employees.

The gamma levels were in the 0.02 mRh range. A work permit system was used to control the operation of the project. Air sampling, both routine and special, and both general area and breathing zone, was at a higher frequency than is normally the case as specified in their procedures manual. Gross Alpha results were used for comparison against the MPCa for Th-230. The MPCa is 2 E-12 uCi/cc(soluble).

Bioassay samples (urine) were analysed for Th-230. The bioassay results were used as follows:

0.05 pCi/L Resample

0.1 pCi/L Investigate
0.2 pCi/L Remove the individual from the work area

Airborne concentrations ranged from < 1 to 173.4 MPC-hrs/day or 21.68 times the standard on an 8-hour-day basis. The highest air concentration measured was 3.95 E-11 uCi/cc. Urine levels were measured up to 0.64 pCi/L. Such elevated urine levels dropped to 0.00pCi/L upon the individual's removal from the work area.

Colorado's investigation of this incident is continuing.

Recognizing that the residues which resulted in the elevated Th-230 concentration were due to the materials involved (presumably Belgian Congo Raffinates) and that in order to accomplish the separation of the PCBs from the Th-230 required total dewatering of the contaminated soils, these levels of overexposure may not be experienced at other such facilities. However, this situation points out that PCB contamination may be experienced in such mills where maintenance was performed on the transformers, dryers, etc., and other such equipment. According to Cotter, this may not be an uncommon situation from past operations prior to FCEs being banned. Provision must be made for proper disposal of such material.

4/5/84 C.C: MR J. E. Lewis, Suy Me Taylor for his information.

4/4/84

PUBLIC NOTICE ENVIRONMENTAL IMPROVEMENT DIVISION RADIATION PROTECTION BUREAU

The Environmental Improvement Division (EID) has received an application for renewal of a Radioactive Material License (NM-GMT-IX-00) from Gulf Oil Corporation, 1720 South Bellaire Street, Denver, Colorado to operate an ion exchange unit to remove uranium from its Mt. Taylor mine water discharge, initially at 5,000 gallons per minute (gpm), with a phased expansion to 10,000 gpm as the need arises. The location of the ion exchange facility is at Section 24, T13N, R8W, Mt. Taylor Uranium Mine Site, McKinley County, New Mexico.

During the review of the renewal application, the Division can invite several state and federal agencies as well as other interested parties to review and comment on the renewal application. Various sections within EID will review and comment upon the application. The EID may, at its discretion, retain consultants to assist in its evaluation of the renewal application. Relevant comments and questions received by the EID from various agencies and interested parties will be forwarded to the applicant for its response. Correspondence associated with the application will be on file with the Radiation Protection Bureau and will be available for inspection, by the applicant and any other interested parties.

The Division has already required the company to provide, during the submission of the original application, complete plans and other materials concerning, among other things, the impact on public health, safety and environmental aspects of the proposed operation.

The request for renewal will be analyzed carefully by the Division. During this analysis, the application will be carefully reviewed to ensure that there are no deficiences, that renewal of the application meets all applicable requirements and that there is no reason to believe that the ion exchange facility with associated settling ponds, sludge ponds and lagoons will violate any laws or regulations. If the Division is so satisfied, it will issue a renewal Radioactive Material License, to expire five years from the date of issuance.

The activities of all licensee's are inspected periodically to assure compliance with regulations and license conditions.

The renewal application is available for review at the following locations:

SANTA FE, NM: EID Central Office Radiation Protection Bureau 725 St. Michael's Drive - Crown Bldg. Hours: Monday-Friday, 8:00 am to 5:00 pm

CC: MR. H. D. Smith, Manager Rojet Engineering, July Od Corp., Wenver, Cals. me J.E. Lewis, mt. Taylor mine Lete.

Public Notice April 2, 1984 Page 2

> ALBUQUERQUE, NM: EID District I Office 4219 Montgomery Blvd., N.E. Hours: Monday-Friday, 8:00 am - 5:00 pm

> MILAN, NM: EID District I Office 708 Uranium Avenue Hours: Monday-Friday, 8:00 am - 5:00 pm

It is anticipated that the review period will require about three months. Written comments and request for public hearings will be accepted for 30 days after publication of this notice.

Written comments regarding this License renewal application should be directed to the Uranium Licensing Section, Environmental Improvement Division, P.O. Box 968, Santa Fe, New Mexico 87504-0968.

April 4, 1984

DEFUTY SECRETARY

JOSEPH F. JOHNSON
DEPUTY SECRETARY

Albuquerque Journal Legal Classified P.O. Drawer J-T Albuquerque, New Mexico 87103

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Please send to my attention. Thank you.

Sincerely,

Thomas Buhl, Chief

Radiation Protection Bureau

TB/SS/cvg

April 4, 1984

Navajo Time Publishing
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P.O. Box 988, Santa Fe, New Mexico 87504-0968 (505) 984-0020 STEVEN ASHER, Director GOVERNOR

SECRETARY

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JOSEPH F. JOHNSON DEPUTY SECRETARY

April 4, 1984

Santa Fe New Mexican P.O. Box 2048 Santa Fe, New Mexico 87501

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P.O. Box 968, Santa Fe, New Mexico 87504-0968 (505) 984-0020 STEVEN ASHER, Director TONEY ANAYA

Joseph Goldberg

Ted Guambana DEPUTY SECRETARY

JOSEPH F. JOHNSON DEPUTY SECRETARY

April 4, 1984

Sandoval County Times Independent P.O. Box 429 Albuquerque, New Mexico 87103

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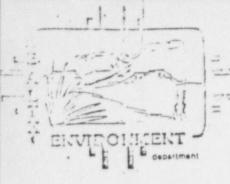
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Thomas Buhl, Chief Radiation Protection Bureau

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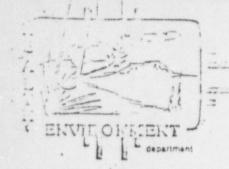
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April 4, 1984

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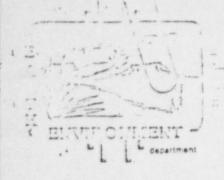
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Thomas Buhl, Chief Radiation Protection Bureau

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ENVIRONMENTAL IMPROVEMENT DIMISION P.O. Box 963, Santa Fe, New Mexico 87504-0963 (505) 984-0020 STEVEN ASHER, Director TONEY ANAYA GOVERNOR

Joseph Goldberg SECRETARY

Ted Guambana DEPUTY SECRETARY

JOSEPH F. JOHNSON DEPUTY SECRETARY

April 4, 1984

Farmington Daily Times
P. O. Box 450
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Sincerely,

Thomas Buhl, Chief Radiation Protection Bureau

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CENTRO DI TENTO Joseph Goldberg SECRETARY F.O. Box 888, Santa Fe, 1/es, Mexico 87594-0868 (505) 984-0320 DEPUTY SECRETARY - sepertment JOSEPH F. JOHNSON STEVEN ASHER, Director DEPUTY SECRETARY April 4, 1984 Albuquerque Journal Legal Classified P.O. Drawer J-T Albuquerque, New Mexico 87103 Gentlemen: The attached Public Notice is to be published upon receipt in your office. Thereafter, request you forward to us two (2) copies of the Affidavit of Publication along with a copy of the clipping to : Environmental Improvement Division Radiation Protection Bureau P.O. Box 968 - 725 St. Michael's Drive Santa Fe, New Mexico 87504-0964 Please send to my attention. Thank you. Sincerely. Thomas Buhl, Chief Radiation Protection Bureau TB/SS/cvg attachment

JOSEPH F. JOHNSON DEPUTY SECRETARY

F.O. Box 988, Santa Fe, New Mexico 27204-0820 (505) 864-0020 STEVEN ASHER, Director

April 4, 1984

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April 4, 1984

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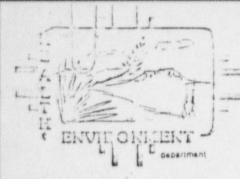
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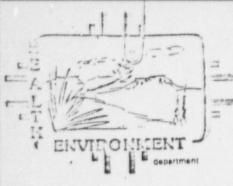
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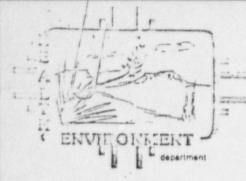
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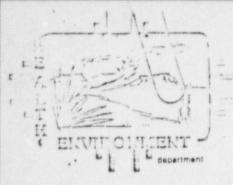
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TB/SS/cvg

PUBLIC NOTICE, NEW MEXICO ENVIRONMENTAL IMPROVEMENT DIVISION HEALTH AND ENVIRONMENT DEPARTMENT

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following proposed discharge plans have been submitted for approval to the Director of the New Mexico Environmental Improvment Division, P.O. Box 968, Crown Bldg., Santa Fe, New Mexico 87504-0968; telephone (505) 984-0020.

(DP-338) AG PARK INDUSTRIES, INC., P.O. Box 267, Dora, NM 88115 proposes to discharge 3,000 gallons per day of anaerobic digester effluent from an 10,000 head cattle feedlot and ethanol plant to a plastic lined lagoon located in Section 5, T3S, R35E, Roosevelt County, NM. The effluent will contain approximately 4,326 mg/l of nitrogen and will be held in a 200,000 gallon storage lagoon until it is periodically applied to 400 acres of irrigated farm land at approximately 8 parts fresh water to 1 part lagoon water. Ground water most likely to be affected is at a depth of approximately 145 feet and has a total dissolved solids concentrations of approximately 1,000 mg/l.

(DP-118) ALTO ALPS, Jim Wimberly, P.O. Box 130, Alto, NM 88312 has proposed to amend its approved discharge plan (DP-118). The amendment entails the addition of an unlined sewage pond located adjacent to the sewage treatment plant. The discharge comprises 6,500 gallons per day of aerobically treated sewage from the condominium sewage treatment plant into storage ponds located within a small drainage on Alto Alps' property, % mile north of the Village of Alto, TlOS, Rl3E, Sec. 28, Lincoln County, NM. The ground water most likely to be affected is at a depth of about 190 feet and has a total dissolved solid concentration of approximately 860 mg/1.

(DP-336) ELEPHANT BUTTE ESTATES RV PARK, c/o Jerry Falls, Imperial Properties, Inc., P.O. Box 30088, Albuquerque. NM 87190-0088 proposes to discharge up to 34,500 gallons per day of domestic effluent from a 230-trailer recreation vehicle park to a septic tank and drain field located approximately 1/8 of a mile southwest of State Rd. 52 in Sections 11 and 14, T13S, R4W, in Sierra County, NM. The ground water most likely to be impacted is at an estimated depth of approximately 250 feet and has a total dissolved solids concentration of about 500 mg/l.

(DP-61) GULF MINERAL RESOURCES COMPANY, c/o S.A. Zagnoli, Attorney, 1720 S.Bellaire St., Denver, Colorado 80222 has requested renewal and modification to its approved discharge plan, DP-61, for its Mt. Taylor Uranium Mine located in Tl3N, R8W, Sec. 24, Cibola County, New Mexico. The approved plan is for discharge of treated domestic sewage, and uranium mine waters from its mine water treatment facility which includes radium removal, and settling ponds. The treated mine water is pumped through a 24-inch pipeline at a rate of up to 5000 gpm for discharge to San Lucas Canyon. The proposed modification requests changes in the monitoring requirements. The ground water most likely to be affected is at a depth of approximately 40 feet in the shallow valley fill near the settling ponds, and has a total dissolved solids concentration of approximately 570 mg/1.

(DP-339) HOMESTAKE MINING COMPANY, P.O. Box 98, Grants, NM 87020 proposes to dispose of waste salt solutions from their uranium mill into hypalon and PVC lined evaporation ponds. The waste solution consists of backwash from the ion exchange facility, spent brine and backwash from the main water softners, and barren solution from the low

contributed the sire wit. The flow rate to the evaporation ponds will average approximately 13 gallons per minute (18,720 gallons per day). The two evaporation with the located south of HMC's active tailings facility in Sec. 26, T12N, R10W, Whola County, NM. The ground water most likely affected is at a depth of 52 feet and has a soul dissolved solids concentration of approximately 7,000 mg/1.

(DR-337) MONTANA de FIBRA, P.O. Box 1427, Las Vegas, NM 87701 proposes to discharge 37,800 gallons per month of process wastewater into 2 clay-lined settling/evaporation lagoons. The process waste stream will consist of plant washdown water and smaller volumes of wastewater from boiler blow-down, cooling system and process streams. The lagoons are located 3.7 miles northeast of Las Vegas in Sec. 6, T16N, R17E (projected), San Miguel County, NM. The ground water most likely to be affected by the discharge to the lagoons is at a depth of approximately 60 feet and has a total dissolved solids concentration of about 1000 mg/1. The ground water most likely to be affected by discharges in the plant building and washdown areas is at a depth of 20 feet, and has a total dissolved solids content of about 350 mg/1.

(DP-71) QUIVIRA MINING COMPANY (formerly Kerr-McGee Nuclear Corporation), Kerr-McGee Center, Oklahoma City, Oklahoma 73125 has submitted a renewal application for its approved discharge plan DP-71, for its Ambrosia Lake Uranium Mill lined evaporation pend system in Sec. 4, Tl3N, R9W, McKinley County, NM. The approved discharge plan is for an estimated maximum discharge of 1660 gallons per minute of uranium mill decant liquid to eleven lined evaporation pends numbers 11 through 21. Pends 11 through 15 are lined with a 10 mil PVC on the bottoms and 20 mil PVC on the slopes; pends 16 through 21 are lined with 20 mil PVC on the bottoms and 36 mil Hypalon on the slopes. The approximate total pend area is 255 acres. Ground water most likely to be affected is at a depth of approximately 20 feet and has a total dissolved solids concentration of approximately 2400 mg/1.

(DP-76) SANTA FE PUBLIC SCHOOLS, Edward Ortiz, Superintendent, 610 Alta Vista St., Santa Fe, NM 87501 proposes to renew their approved discharge plan involving a septic tank leach field discharge from the El Dorado Elementary School on the northeast corner of the streets of Vista Grande and Torreone, Sec. 8 (projected), T15N, R10E, Santa Fe County, NM. Total maximum flow is 7,000 gallons per day and the ground water most likely to be affected is at a depth of approximately 100 feet having a total dissolved solid concentration of 150 mg/1.

(DP-73) UNITED WORLD OF THE UNIVERSE FOUNDATION, Judy M. Tyson, Manager, P.O. Box 752, Ruidoso, NM 88345 proposes to renew its previously approved discharge plan (DP-73) to discharge 2800 gallons per day of domestic sewage from a youth camp into a conventional septic tank-leach field located in Sec. 2, TllS, Rl3E, Lincoln County, NM. The ground water most likely to be affected is at a depth of approximately 45 feet and has a total dissolved solids concentration of approximately 500 mg/1.

Any interested person may obtain further information from the Ground Water Section, Ground Water Quality and Hazardous Waste Bureau, EID, and may submit written comments to the Director of the EID at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of EID will allow thirty (30) days after the date of publication of this Notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why the hearing should be held. A hearing will be held if the Director determines that there is significant public interest.

4/4/84

PUBLIC NOTICE ENVIRONMENTAL IMPROVEMENT DIVISION RADIATION PROTECTION BUREAU

The Environmental Improvement Division (EID) has received an application for renewal of a Radioactive Material License (NM-GMT-IX-00) from Gulf Oil Corporation, 1720 South Bellaire Street, Denver, Colorado to operate an ion exchange unit to remove uranium from its Mt. Taylor mine water discharge, initially at 5,000 gallons per minute (gpm), with a phased expansion to 10,000 gpm as the need arises. The location of the ion exchange facility is at Section 24, T13N, R8W, Mt. Taylor Uranium Mine Site, McKinley County, New Mexico.

During the review of the renewal application, the Division can invite several state and federal agencies as well as other interested parties to review and comment on the renewal application. Various sections within EID will review and comment upon the application. The EID may, at its discretion, retain consultants to assist in its evaluation of the renewal application. Relevant comments and questions received by the EID from various agencies and interested parties will be forwarded to the applicant for its response. Correspondence associated with the application will be on file with the Radiation Protection Bureau and will be available for inspection, by the applicant and any other interested parties.

The Division has already required the company to provide, during the submission of the original application, complete plans and other materials concerning, among other things, the impact on public health, safety and environmental aspects of the proposed operation.

The request for renewal will be analyzed carefully by the Division. During this analysis, the application will be carefully reviewed to ensure that there are no deficiences, that renewal of the application meets all applicable requirements and that there is no reason to believe that the ion exchange facility with associated settling ponds, sludge ponds and lagoons will violate any laws or regulations. If the Division is so satisfied, it will issue a renewal Radioactive Material License, to expire five years from the date of issuance.

The activities of all licensee's are inspected periodically to assure compliance with regulations and license conditions.

The renewal application is available for review at the following locations:

SANTA FE, NM: EID Central Office Radiation Protection Bureau 725 St. Michael's Drive - Crown Bldg. Hours: Monday-Friday, 8:00 am to 5:00 pm

CC: MR. H. D. Smith, Marsyer Rojet Engenering, They Od Corp., Denver, Colo.

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> ALBUQUERQUE, NM: EID District I Office 4219 Montgomery Blvd., N.E. Hours: Monday-Friday, 8:00 am - 5:00 pm

> MILAN, NM: EID District I Office 708 Uranium Avenue Hours: Monday-Friday, 8:00 am - 5:00 pm

It is anticipated that the review period will require about three months. Written comments and request for public hearings will be accepted for 30 days after publication of this notice.

Written comments regarding this License renewal application should be directed to the Uranium Licensing Section, Environmental Improvement Division, P.O. Box 968, Santa Fe, New Mexico 87504-0968.