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# REPORTS

DATE:

10-30-1999

# GPII Energy, Inc.

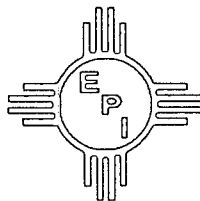
## LJU Playa Environmental Monitoring and Contingency Plan

for the

Playa East of the Langlie Jal Unit Well #82  
N.M.P.M.  
S8 T25S R37E  
Lea County, New Mexico

October 30, 1999

prepared by



ENVIRONMENTAL PLUS, INC.  
1324 NORTH MAIN STREET  
P.O. BOX 1558  
EUNICE, NEW MEXICO 88231  
TELE 505•394•3481 FAX 505•394•2601

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## 1. PLAN OBJECTIVE

This plan will provide timely information regarding the impact of the chloride source term on the playa water pool and down gradient ground water. A Contingency Plan is also included that prescribes actions by GPII Energy, Inc. to protect wildlife and livestock in the event chloride in the playa pool increases to an unacceptable level. This plan should be considered along with information provided in previous reports, i.e., "GPII Energy, Inc., Site Assessment Work Plan for the LJU Playa, November 1998" and "GPII Energy, Inc., Site Characterization, Documentation, & Proposal for the LJU Playa, June 1999."

### 1.1 Ground Water Monitoring

The well was initially sampled on 6-22-99. The following quarterly sampling schedule will be implemented immediately.

Sampling Round	Quarterly Sampling Schedule	Analytical Suite
Round 1	July 1999 (Initial sampling and analysis on 6-22-99)	TDS, Chloride, Benzene, Toluene, Ethyl Benzene, m & p Xylenes
Round 2	October 1999	TDS, pH, major anions and cations
Round 3	January 2000	TDS and Chloride
Round 4	April 2000	TDS and Chloride
Round 5	July 2000	TDS and Chloride
Round 6	October 2000	TDS and Chloride
Round 7	January 2001	TDS and Chloride
Round 8	April 2001	TDS and Chloride

### 1.2 Playa Water Pool Monitoring

The water pool will be sampled coincident with monitor well sampling.

Sampling Round	Quarterly Sampling Schedule	Analytical Suite
Round 1	July 1999 (Actually sampled on June 26, 1999)	TDS and Chloride
Round 2	October 1999	TDS and Chloride
Round 3	January 2000	TDS and Chloride
Round 4	April 2000	TDS and Chloride
Round 5	July 2000	TDS and Chloride
Round 6	October 2000	TDS and Chloride
Round 7	January 2001	TDS and Chloride
Round 8	April 2001	TDS and Chloride

### 1.3 Playa Water Pool Level Monitoring and Photographic Documentation

The depth of the water pool will be measured during the first month of each quarter coincident with sampling. A photograph will be taken to document conditions.

#### **1.4 Precipitation Monitoring**

A rain gauge will be installed at the LJU tank battery located east of the playa. The lease operator will record precipitation in inches and empty the gauge. The data will be compiled in a field notebook and submitted to the GPII Energy office for reporting purposes.

#### **1.5 Reporting**

After the analytical data is reviewed and summarized, including graphical comparisons with previous data, a report will be generated and submitted to the New Mexico Oil Conservation Division for review. The report will be submitted within the second month of the quarter.

### **2. PLAYA WATER POOL CONTINGENCY PLAN**

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In the event Chloride levels in the water pool are determined to be unacceptable, the water pool will be fenced to prevent use by livestock and the water disposed of. GPII Energy will provide an auxiliary source of agricultural quality water, i.e., TDS ~10,000 mg/L.