

1R - 169

# REPORTS

DATE:

7/14/2000

# KENSON OPERATING CO., INC.

(previous reference-GPII Energy, Inc.)

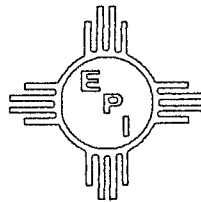
## LJU Playa Environmental Monitoring and Contingency Plan Monitoring Report June 2000

for the

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

July 14, 2000

prepared by



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## 1. PLAN OBJECTIVE

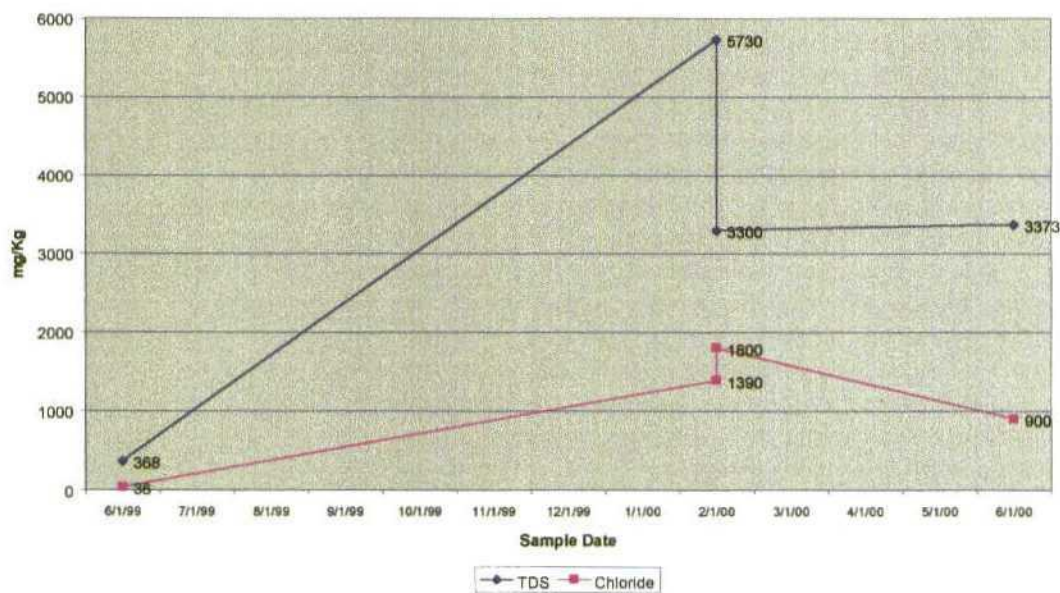
The LJU Playa Environmental Monitoring and Contingency Plan was implemented by sampling the monitor well and playa water pool and document status and trend.

### 1.1 Ground Water Monitoring

The well was sampled on June 23, 2000 and analyzed for Total Dissolved Solids (TDS) and Chloride. TDS increased nominally while the Chloride levels have decreased by half. Immediately prior to this sampling, approximately 11 gallons, i.e., ~16 well volumes, of water was purged from the monitor well. This was done to ensure that a representative sample was submitted to the lab and to also determine if the previous increase was anomalous or legitimate. The decrease in Chloride may indicate the prior increase was anomalous. Future sampling will provide for a more concise determination. The original data reports for this sampling event are included as Attachment A and are summarized below.

Kenson Operating Co., Inc. Langlie Jal Unit Playa Monitoring Well Data			
Sampling Round	Date	TDS ppm	Chloride ppm
Round 1	6-22-99	368	36
Round 2a	2-17-00	5730	1390
Round 2b	2-25-00	3300	1800
Round 3	6-23-00	3373	900

### Kenson Operating Langlie Jal Unit Monitor Well

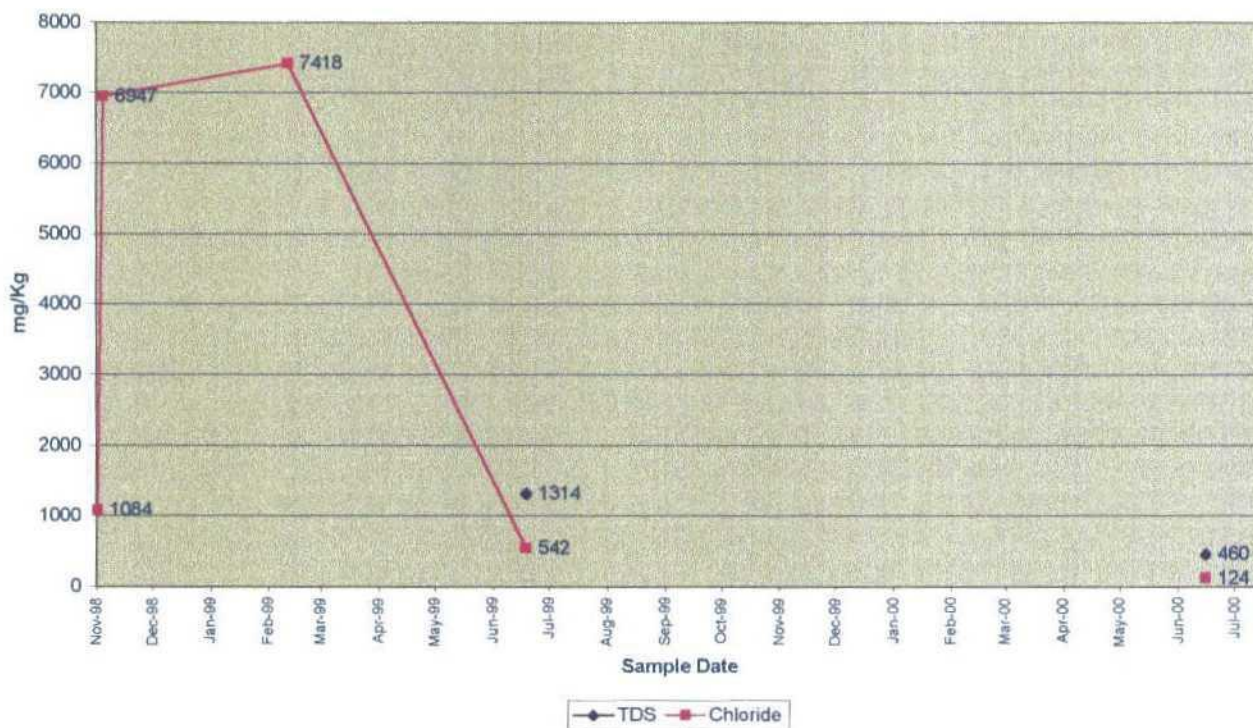


### 1.2 Playa Water Pool Monitoring

The water pool has received considerable run-in and was sample on June 23, 2000. Precipitation for the area has been approximately 5.5 inches since February 2000 and allowed sampling of the playa. There is no visible surface precipitate present around the pool and TDS and Chloride concentrations have reduced considerably from June 1999. The data is summarized and illustrated below.

Kenson Operating Co., Inc. Langlie Jal Unit Playa Water Pool Data			
Sampling Round	Date	TDS ppm	Chloride ppm
	11/9/98		1084
	11/12/98		6947
	2/19/99		7418
	6/26/99	1314	542
Round 1	2/17/00		
Round 2a	2/25/00		
Round 2b	6/23/00	460	124

### Kenson Operating Langlie Jal Unit Playa Water Pool



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

The depth of the water pool was not measured but is estimated to be ~24-36 inches deep. Conditions were photographically documented. See Attachment B.



#### ***1.4 Precipitation Monitoring***

The rain gauge at the LJU tank battery located east of the playa has received approximately 5.5 inches of precipitation since January 2000.

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

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The Playa Water Pool Contingency Plan has not been implemented, i.e., provide an auxiliary source of agricultural quality water in the event playa water exceeds a TDS concentration of 10,000 mg/L.



ATTACHMENT A  
Original Laboratory Data Reports





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ANALYTICAL RESULTS FOR  
ENVIRONMENTAL PLUS, INC.  
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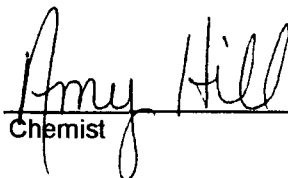
Receiving Date: 06/23/00  
Reporting Date: 06/28/00  
Project Owner: KENSON OPERATING  
Project Name: LANGLIE JAL PLAYA  
Project Location: UNIT D, S8, T25S, R37E

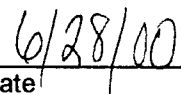
Sampling Date: 06/23/00  
Sample Type: WATER  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: AH

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Cl (mg/L)
ANALYSIS DATE:		06/28/00	06/26/00
H4969-1	SW62300LJUP	460	124
H4969-2	GW62300LJUMW	3373	900
Quality Control		NR	980
True Value QC		NR	1000
% Recovery		NR	98.0
Relative Percent Difference		NR	6.0

METHODS: EPA 600/4-79-02	160.1	4500-Cl'B*
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\*Std. Methods

  
Chemist

  
Date

H4969.XLS  
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.



## ATTACHMENT B

### Playa Photograph



