

RAS 12700

In the Matter of System Energy Resources, Inc

Docket No. 52-009-ESP Official Exhibit No. SEI-15

GGNS

EARLY SITE PERMIT APPLICATION OFFERED by: Applicant Intervenor _____
PART 2 - SITE SAFETY ANALYSIS REPORT NRC _____

SERI Exhibit 15

IDENTIFIED on 11/29/06 Panel _____

TABLE 2.4-25

Action Taken: (ADMITTED) REJECTED WITHDRAWN

Reporter/Clerk _____

CHEMICAL ANALYSIS OF WATER SAMPLES,
THREE POTABLE WELLS LOCATED AT THE GGNS SITE

Well Number	110011-01, MS-GW-02967	110011-03, MS-GW-14989	110011-04, MS-GW-15026
Date Sampled	2/9/99	3/13/00	2/21/02
pH (lab)	8.2	7.1	7.1
Alkalinity (P) as CaCO ₃ (mg/l)	0	0	0
Alkalinity (T) as CaCO ₃ (mg/l)	451.0	400.0	380.0
Aluminum as AL (mg/l)			0.003
Chloride (mg/l)	49.9	19.8	13.4
Sulfate (mg/l)		8.1	48.0
Fluoride (mg/l)		0.3	0.4
Free Carbon Dioxide (mg/l)	6.0	110.0	66.0
Iron (lab) (mg/l)	<0.1	<0.1	<0.1
Magnesium (mg/l)	5.4	39.4	40.8
Manganese (mg/l)	0.003	0.001	0.002
Calcium (mg/l)	12.4	96.9	87.0
Sodium (mg/l)		13.5	16.3
Potassium (mg/l)		1.6	1.2
Total Dissolved Residue (mg/l)		420.0	435.0
Ca + Mg Hardness as CaCO ₃ (mg/l)	53.0	404.0	385.0
Zinc (mg/l)			0.021

SOURCE:

GGNS data, 2002 (Reference 64).



DOCKETED
USNRC

2006 DEC 15 PM 3:16

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