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Nuclear Fuel Services, Inc.  
1205 Banner Hill Road  
Erwin, TN 37650  
(423) 743-9141

*CERTIFIED MAIL  
RETURN RECEIPT REQUESTED*

21G-99-0029  
GOV-01-60  
ACF-99-0047

March 11, 1999

Mr. G. A. Farmer, Chief, RCRA Branch  
Waste Management Division  
U. S. Environmental Protection Agency, Region IV  
100 Alabama Street, S. W.  
Atlanta, GA 30303

Mr. Thomas Tiesler, Director  
Division of Solid Waste Management  
Tennessee Department of Environment & Conservation  
Fifth Floor, L & C Tower  
401 Church Street  
Nashville, TN 37243-1535

Reference: 1) HSWA Permit for 1984 RCRA Amendments  
Nuclear Fuel Services, Inc., Erwin, TN  
EPA ID: TND 003 095 635

Dear Messrs. Farmer and Tiesler:

As required by the above-referenced permit, Condition II.E.3.a. and Condition II.F.3.a., Nuclear Fuel Services, Inc. (NFS) is enclosing the quarterly RCRA Facility Investigation (RFI) and Interim Measures (IM) Progress Reports as Attachments I and II. The next quarterly RFI/IM Progress Reports will be submitted by June 9, 1999.

If you or your staff have any questions, require additional information, or wish to discuss this, please contact me or Ms. Janice Greene, Environmental Safety Manager, at (423) 743-1730. Please reference our unique document identification number (21G-99-0029) in any correspondence concerning this letter.

Sincerely,

**NUCLEAR FUEL SERVICES, INC.**

Thomas S. Baer, Ph. D.  
Vice President  
Safety & Regulatory

LGG/mfh

IE07

Attachment

xc:

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U. S. Nuclear Regulatory Commission  
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Senior Resident Inspector,  
U. S. Nuclear Regulatory Commission

T. S. Baer to Messrs. Farmer and Tiesler

21G-99-0029  
GOV-01-60  
ACF-99-0047

Attachment I to letter  
T. S. Baer to Mr. Alan Farmer and Mr. Thomas Tiesler

***RFI Progress Report***

(11 pages to follow)

**RCRA FACILITY INVESTIGATION (RFI) PROGRESS REPORT  
NUCLEAR FUEL SERVICES, INC. (NFS)  
ENVIRONMENTAL PROTECTION AGENCY (EPA) ID NO. TND 00 309 5635**

**1.0 Solid Waste Management Unit (SWMU) 20 - Building 130 Scale Pit**

1.1 Work Completed

The groundwater from the Building 130 scale pit (SWMU 20) is pumped monthly and water is transferred to the Wastewater Treatment Facility. The groundwater is sampled for tetrachloroethylene (PCE), trichloroethylene (TCE), 1,2-dichloroethylene (DCE) total, and vinyl chloride (VC). The groundwater is then treated and released in accordance with applicable regulations. A total of 132,525 gallons of groundwater has been pumped and treated since September 1995. Due to an oversight, a sample was not collected during the month of October 1998.

1.2 Findings and Observations

The analytical results for samples obtained from the scale pit during this and previous reporting periods are presented in Table 1. PCE, TCE, and 1,2-DCE concentrations showed a decrease as compared to the previous quarter. However, concentrations are consistent with historical data. Vinyl chloride concentrations remained consistent.

1.3 Work Projected (First Quarter 1999)

Monthly pumping and sampling of the groundwater from the Building 130 scale pit (SWMU 20) will continue.

**2.0 Off-Site Groundwater Investigation**

2.1 Work Completed

Fourth quarter groundwater sampling of the nine off-site monitoring wells was conducted November 16 and 17. The samples were analyzed for PCE, TCE, 1,2-DCE, vinyl chloride, isotopic uranium and technetium-99 by the NFS Laboratory. Analytical results are presented in this report.

2.2 Findings and Observations

Nonradiological

Fourth quarter 1998 results for volatile organic compounds in the offsite wells are presented in Table 2.

PCE and TCE concentrations for offsite wells were plotted quarterly. The corresponding graphs are presented in Figure 1 and discussed below.

**PCE** - Detected concentrations of PCE in the offsite wells during fourth quarter 1998 ranged from 0.052 mg/L to 2.763 mg/L. All wells contained PCE at concentrations greater than the 0.005 mg/L MCL. Trends for PCE in the offsite wells were not apparent.

**TCE** - Detected concentrations of TCE in the offsite wells during fourth quarter 1998 ranged from < 0.004 mg/L to 0.092 mg/L. Eight of the nine wells contained TCE at concentrations equal to or greater than the 0.005 mg/L MCL. TCE was not detected in Well 118B. Trends for TCE in the offsite wells were not apparent.

**1,2 DCE (cis)** - Detected concentrations of 1,2 DCE (cis) in the offsite wells during fourth quarter 1998 ranged from 0.005 mg/L to 0.153 mg/L. Only Well 116B contained 1,2 DCE (cis) at a concentration greater than the 0.07 mg/L MCL. Results from fourth quarter are similar to concentrations observed in previous months.

**1,2 DCE (trans)** - 1,2 DCE (trans) was not detected in offsite wells during fourth quarter 1998.

**Vinyl Chloride** - Vinyl chloride was detected in two wells, 116A and 116B, at concentrations greater than the 0.002 mg/L MCL. Vinyl chloride was not detected in the remaining wells at concentrations greater than the PQL; however, the PQL is greater than the MCL.

#### Radiological

Fourth quarter 1998 results for total uranium and technetium-99 in the offsite wells are presented in Table 3.

**Total Uranium** - Concentrations of total uranium in the offsite wells during third quarter 1998 ranged from 0.327 pCi/L to 2.123 pCi/L. Uranium has not been detected at concentrations greater than the proposed MCL (30 pCi/L) during any offsite sampling event.

**Technetium-99** - Concentrations of technetium-99 in the offsite wells during fourth quarter 1998 ranged from 8.68 pCi/L to 88.78 pCi/L. Technetium-99 results were less than the EPA drinking water MCL of 4 mrem/yr for beta/gamma emitters (4 mrem/yr = 3,760 pCi/L).

### 2.3 Work Projected (First Quarter 1999)

First quarter 1999 analytical results will be received from the NFS Laboratory and validated. Second quarter 1999 sampling of off-site wells is planned for May. Beginning second quarter 1999, NFS plans to sample offsite wells for volatile organics (PCE, TCE, 1,2-DCE, and VC) and gross alpha/beta. If gross alpha concentrations are greater than 15 pCi/L, then samples will be analyzed for isotopic uranium. If gross beta concentrations exceed 50 pCi/L, then samples will be analyzed for technetium-99.

## 3.0 **Vertical Extent Investigation**

### 3.1 Work Completed

The final report on the Investigation to Define the Vertical Extent of Groundwater Contamination was submitted to EPA Region IV, the Tennessee Department of Environment and Conservation (TDEC), and the Nuclear Regulatory Commission (NRC) on December 16, 1998.

## 4.0 **Area of Concern (AOC 6) North of Building 200 Complex**

### 4.1 Work Completed

The RFI Report for AOC 6 was submitted to the EPA Region IV, TDEC, the NRC on February 3, 1999.

## 5.0 **General Information**

As requested by EPA, Region IV, NFS has evaluated options for legally enforceable restrictions to prevent the withdrawal and potable use of groundwater at the adjacent industrial park. The preferred options include deed restrictions and lease agreements. During first quarter 1999, NFS will continue to pursue these options with offsite property owners.

The revised Groundwater Flow and Solute - Transport Modeling Report was completed in February 1999. This report will be submitted to EPA Region IV, TDEC, and the NRC during second quarter 1999.

Table 1. Analytical Results for SWMU 20 Groundwater						
Sample ID	Pumping Date	Collection Date	PCE (mg/L)	TCE (mg/L)	1,2 - DCE (mg/L)	Vinyl Chloride (mg/L)
Baseline 1377124	9/11/95	9/11/95	0.0258	0.0021	0.0193	< 0.005
1377299	9/11/95	9/12/95	0.0428	0.0027	0.0191	0.0053
1379194	9/27/95	9/29/95	0.1846	0.0090	0.0583	< 0.005
1380354	10/11/95	10/12/95	0.1601	0.0039	0.0557	< 0.005
1381571	10/24/95	10/25/95	0.0022	< 0.00038	< 0.008	< 0.005
1382926	11/9/95	11/10/95	0.2079	< 0.00038	< 0.008	< 0.005
1384040	11/21/95	11/22/95	0.2045	0.0239	0.0253	< 0.005
1385232	12/6/95	12/7/95	1.2020	< 0.00038	0.0808	< 0.005
1388088	1/16/96	1/17/96	0.5455	< 0.00038	< 0.008	< 0.005
1389653	2/13/96	2/14/96	0.1732	0.3507	0.1742	< 0.005
1401424	9/18/96	9/18/96	0.1965	< 0.00038	0.0806	< 0.005
1402978	10/15/96	10/15/96	0.047	0.003	UJ 0.009	< 0.004
1404091	11/5/96	11/5/96	0.103	0.027	0.091	0.006
1405586	12/3/96	12/3/96	0.098	0.005	0.010	< 0.004
1409085	01/20/97	1/21/97	0.039	< 0.004	< 0.004	< 0.004
1411441	02/10/97	2/10/97	0.071	< 0.004	< 0.004	< 0.004
1415212	03/12/97	3/13/97	0.149	0.011	0.024	< 0.004
1417118	04/09/97	4/10/97	0.097	0.008	0.017	< 0.004
1420305	05/16/97	05/16/97	0.055	< 0.004	0.064	< 0.005
1422332	06/12/97	06/18/97	0.089	0.008	0.016	< 0.004
1423746	07/10/97	07/11/97	0.037	0.006	0.032	< 0.004
236201	08/06/97	08/06/97	0.043	0.008	0.046	< 0.004
1430335	9/10/97	9/10/97	0.043	0.009	0.043	< 0.004
1439413	10/17/97	10/17/97	0.006	< 0.004	0.006	< 0.004
1445200	11/20/97	11/20/97	0.022	< 0.004	0.015	< 0.005
1447262	12/12/97	12/15/97	0.111	0.011	0.051	0.007
1449087	1/6/98	1/6/98	0.072	< 0.004	0.008	< 0.004
1464655	2/23/98	2/23/98	0.070	0.006	0.019	< 0.004
1473859	3/23/98	3/23/98	0.070	< 0.004	0.009	< 0.004
1484605	4/28/98	4/28/98	0.103	0.004	0.013	< 0.004
1489380	5/14/98	5/14/98	0.076	0.005	0.016	0.011
1501755	6/25/98	6/25/98	0.005	< 0.004	< 0.004	< 0.004
1512676	7/31/98	7/31/98	0.198	J< 0.004	0.006	< 0.004
1514547	8/4/98	8/4/98	*J 4.155	0.069	0.074	0.009
1531379	9/25/98	9/25/98	0.205	0.012	0.038	< 0.004
		**				
1545647	11/4/98	11/4/98	0.066	< 0.004	0.007	< 0.004
1554093	12/3/98	12/3/98	0.206	0.007	0.014	< 0.004
Mean			0.254	0.018	0.032	0.005
Standard Deviation			0.700	0.058	0.035	0.001
t-value			1.306	1.306	1.306	1.306
No. of Observations			36	36	36	36
90% UCL			0.407	0.030	0.040	0.005
Action Level (mg/L)			0.005	0.005	0.07	0.002
Notes:						
Analysis performed by NFS 105 Laboratory						
* result above the calibration curve; SWMU - Solid Waste Management Unit						
** sample inadvertently not collected; mg/L - milligrams per liter						
UJ - estimated value below detection limit; UCL - upper confidence limit						
J - estimated value						
< - below detection limit						

**Table 2. Fourth Quarter (1998) Offsite Groundwater Analytical Results for  
Volatile Organic Compounds**

<u>Sample ID</u>	<u>Well Number</u>	<u>Tetrachloroethylene</u> mg/L	<u>Trichloroethylene</u> mg/L	<u>1,2-Dichloroethylene (cis)</u> mg/L	<u>1,2-Dichloroethylene (trans)</u> mg/L	<u>Vinyl chloride</u> mg/L
00785	116A	HJ 1.221	0.043	0.055	< 0.004	0.009
00786	116B	2.763	0.092	0.153	< 0.004	0.023
00790	117A	0.300	0.013	0.014	< 0.004	< 0.004
00789	117B	0.459	0.023	0.022	< 0.004	< 0.004
00787	118A	0.068	0.008	0.007	< 0.004	< 0.004
00788	118B	0.052	< 0.004	0.012	< 0.004	< 0.004
00784	119A	0.146	0.011	0.005	< 0.004	< 0.004
00791	120A	0.209	0.011	0.010	< 0.004	< 0.004
00792	120B	0.351	0.018	0.020	< 0.004	< 0.004
<b>Statistics</b>						
	Mean	0.619	0.025	0.033	< 0.004	0.007
	Standard Deviation	0.879	0.028	0.047	0.000	0.006
	Observations	9	9	9	9	9
	t-value	1.860	1.860	1.860	1.860	1.860
	95% Upper Confidence Limit	1.163	0.042	0.062	0.004	0.011
	MCL	0.005	0.005	0.07	0.1	0.002
<p><u>Notes</u>            Samples obtained 11/16/98 - 11/17/98. Analysis completed by NFS 105 Laboratory            HJ - sample exceeded holding time and is an estimated value.            &lt; - less than detection limit; value given is the quantitation limit.            mg/L - milligrams per liter            MCL - Maximum Contaminant Level (EPA, 1996)</p>						

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Nuclear Fuel Services, Inc.  
RFI Progress Report  
March 11, 1999



**Table 3. Fourth Quarter (1998) Offsite Groundwater Analytical Results for Radionuclides**

Sample ID	Well Number	U-238 (pCi/L)			U-235 (pCi/L)			U-234 (pCi/L)			Total U (pCi/L)	Tc-99 (pCi/L)						
		Result	Error	MDC	Result	Error	MDC	Result	Error	MDC		Result	Error	MDC				
00785	116A	0.081	0.031	0.031	UJ	0.069	0.036	0.107	0.357	0.071	0.124	J	0.507	17.53	6.91	11.13		
00786	116B	0.072	0.027	0.028	UJ	0.072	0.031	0.076	0.248	0.051	0.028	J	0.392	88.78	7.74	11.13		
00790	117A	J	0.013	0.013	0.034	UJ	0.063	0.038	0.116	1.842	0.161	0.135	J	1.918	36.86	7.15	11.13	
00789	117B		0.012	0.012	0.033	UJ	-0.012	0.021	0.113	0.327	0.070	0.131	J	0.327	44.52	7.24	11.13	
00787	118A		0.482	0.078	0.033		0.037	0.021	0.033	1.310	0.132	0.091		1.829	UJ	10.51	6.83	11.13
00788	118B		0.220	0.070	0.060		0.198	0.073	0.162	0.703	0.129	0.162		1.121	UJ	8.68	6.80	11.13
00784	119A	UJ	0.000	0.000	0.031		0.057	0.026	0.031	0.390	0.069	0.084	J	0.447	27.37	7.03	11.13	
00791	120A		0.327	0.134	0.148	UJ	0.163	0.122	0.401	1.633	0.312	0.401	J	2.123	34.17	7.11	11.13	
00792	120B		0.765	0.129	0.058		0.085	0.043	0.058	2.251	0.224	0.058		3.101	23.07	6.98	11.13	
Mean			0.219				0.081			1.007				1.307		32.39		
Standard Deviation			0.263				0.063			0.763				0.984		24.30		
Observations			9				9			9				9		9		
t-value			1.860				1.860			1.860				1.860		1.86		
95% Upper confidence			0.38				0.12			1.48				1.92		47.45		
Action Level			ND				ND			ND				30*		3760**		

Notes:

J - estimated value

UJ = value is less than the MDC; value is estimated.

Samples collected on 11/16/98 - 11/17/98; Analysis completed by NFS 105 and 110D Laboratories.

Total uranium is the sum of the activities of U-234, U-235, and U-238

MDC = minimal detectable concentration; ND = no data; pCi/L - pico curies per liter

\* Action level based on EPA maximum contaminant level (MCL) for radionuclides in drinking water (EPA, 1996).

\*\* Action level based on EPA MCL of 4 mrem/yr (3760 pCi/L) for beta/gamma emitters (EPA, 1996).

Nuclear Fuel Services, Inc.  
 RFI Progress Report  
 March 11, 1999

Fig.

Graphs of PCE and TCE Concentrations for the Offsite Wells

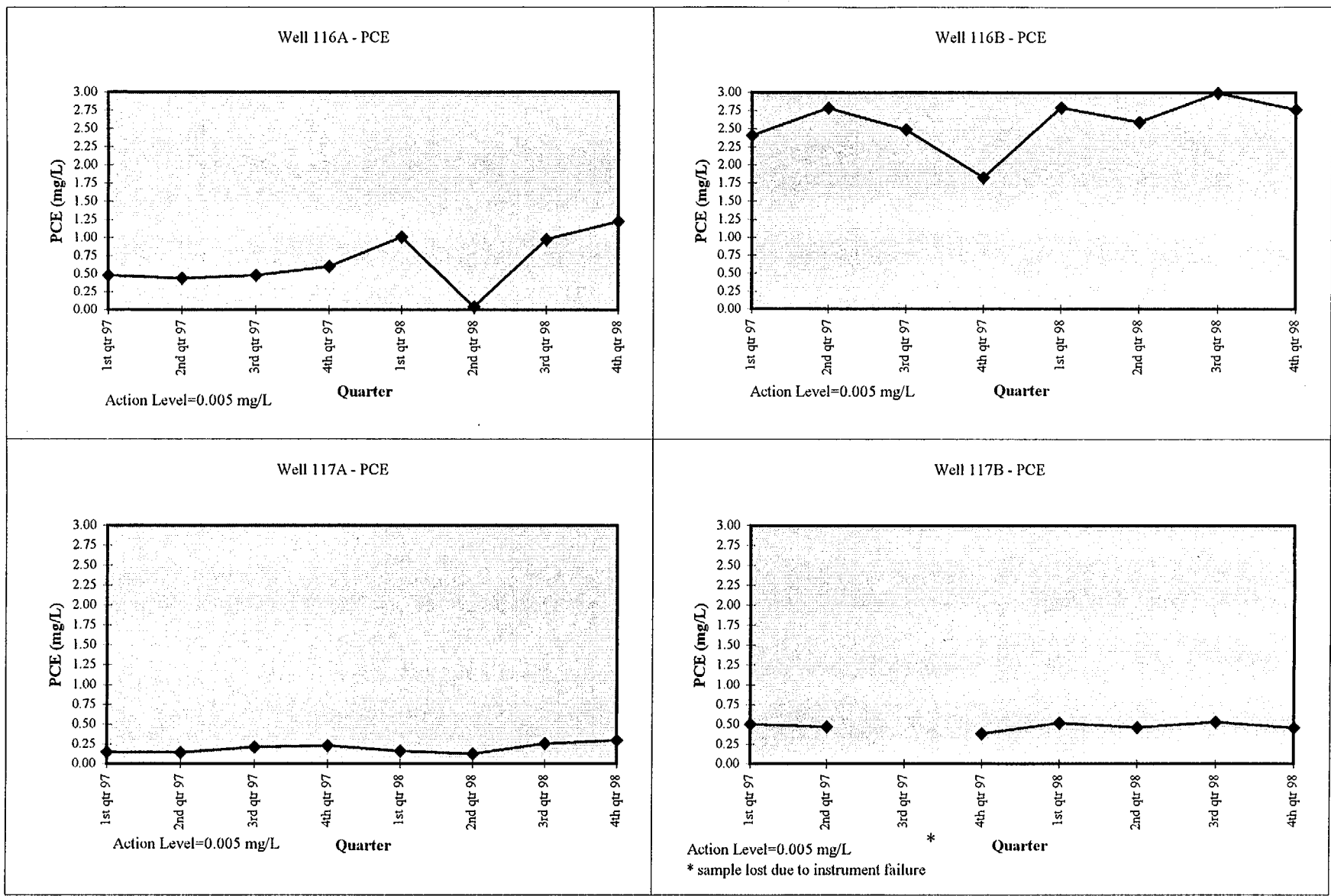


Fig.  
Graphs of PCE and TCE Concentrations for the Offsite Wells

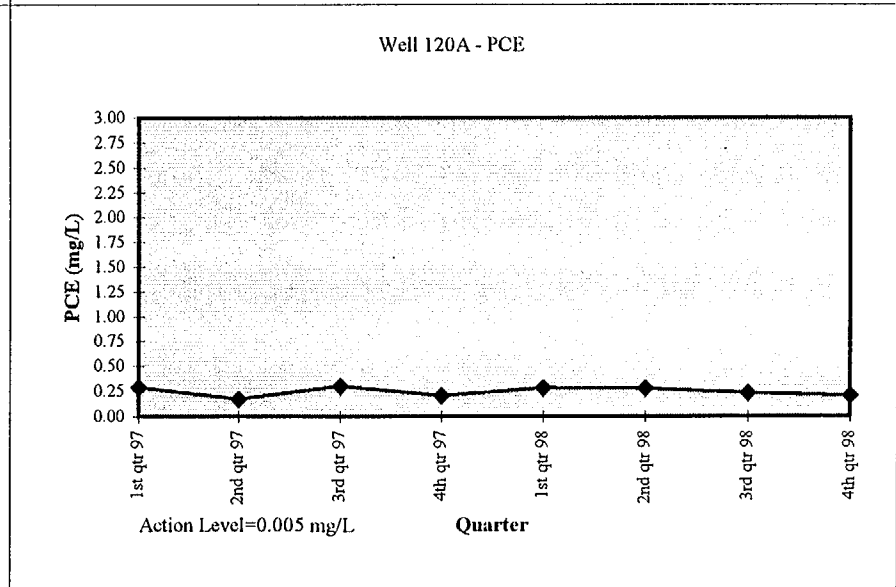
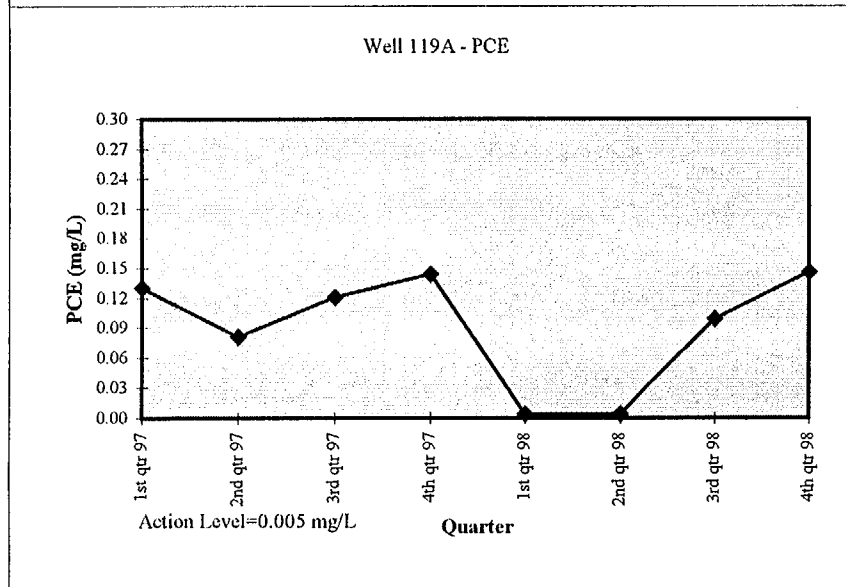
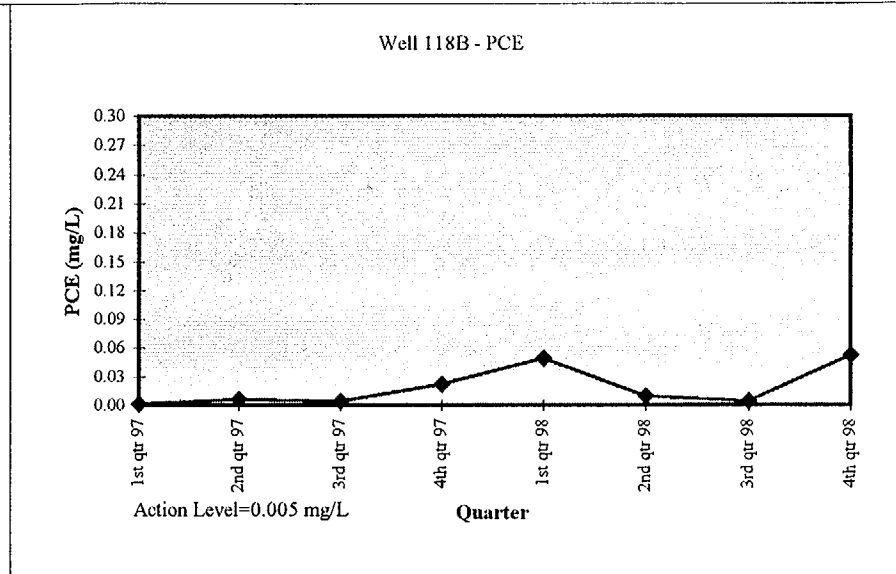
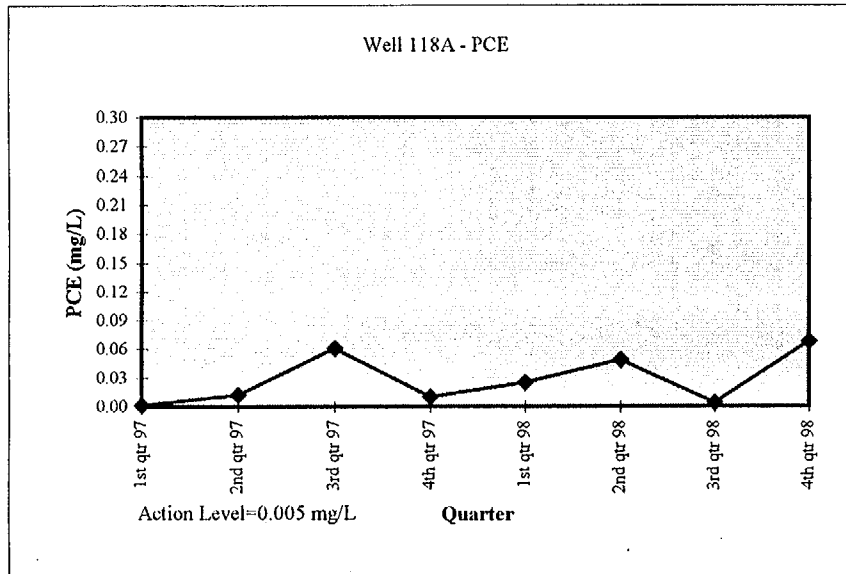
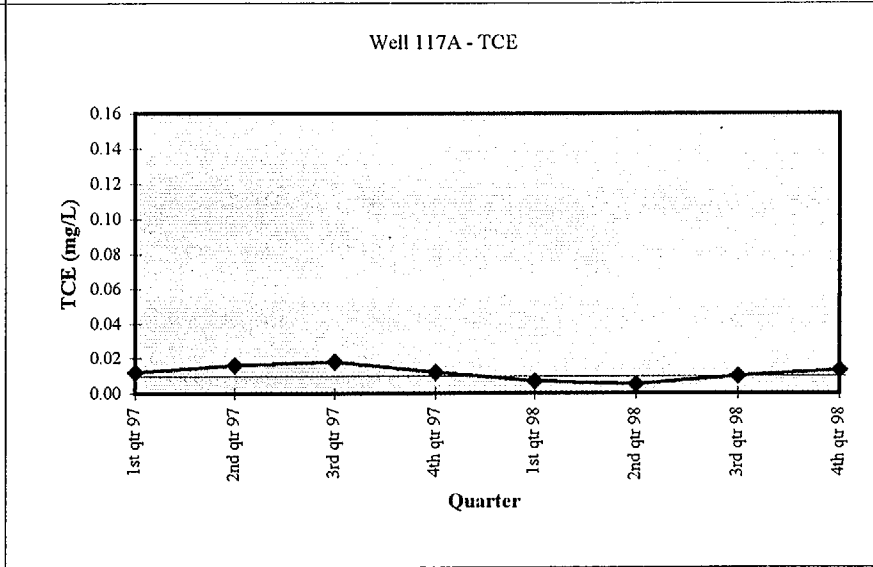
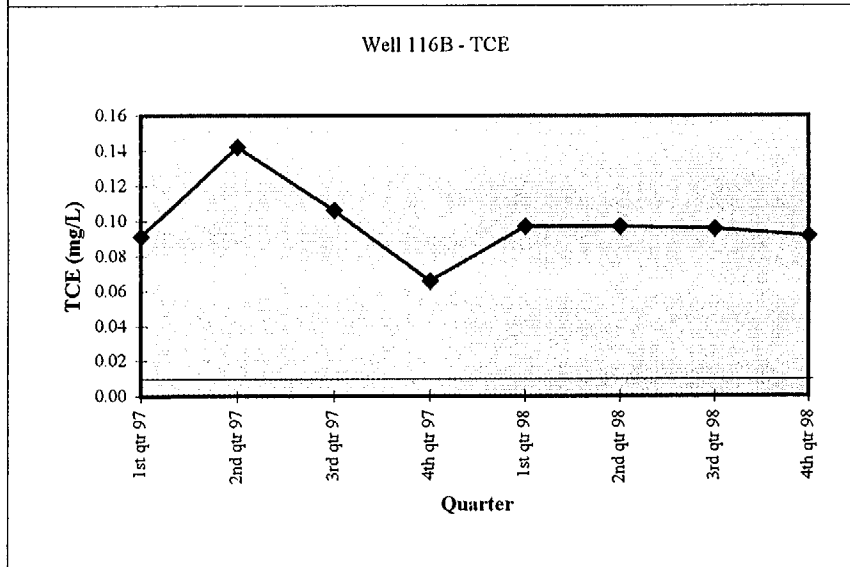
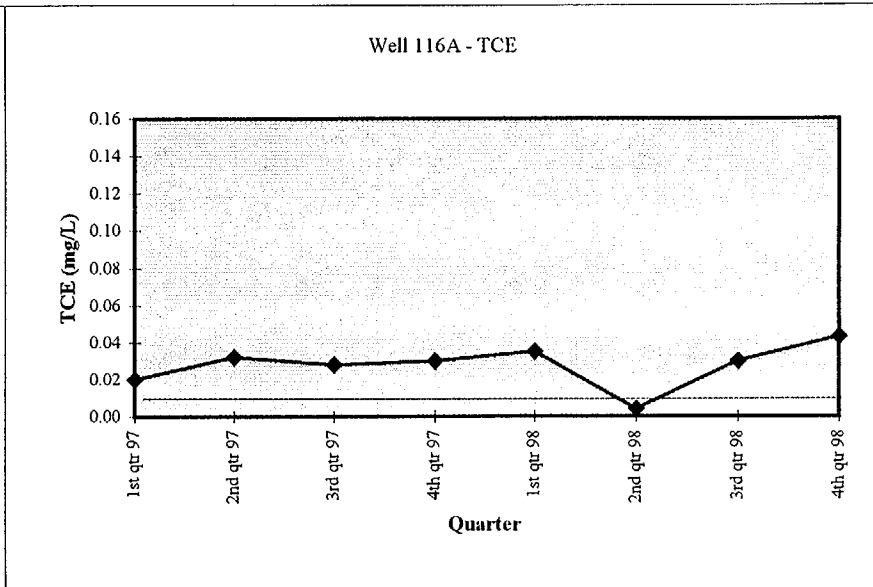
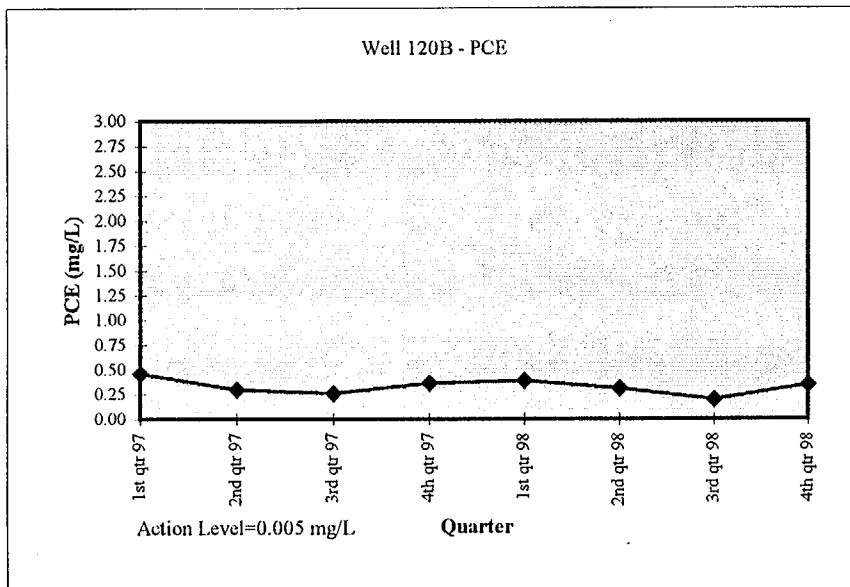


Fig. 1  
 Graphs of PCE and TCE Concentrations for the Offsite Wells



Figure

Graphs of PCE and TCE Concentrations for the Offsite Wells

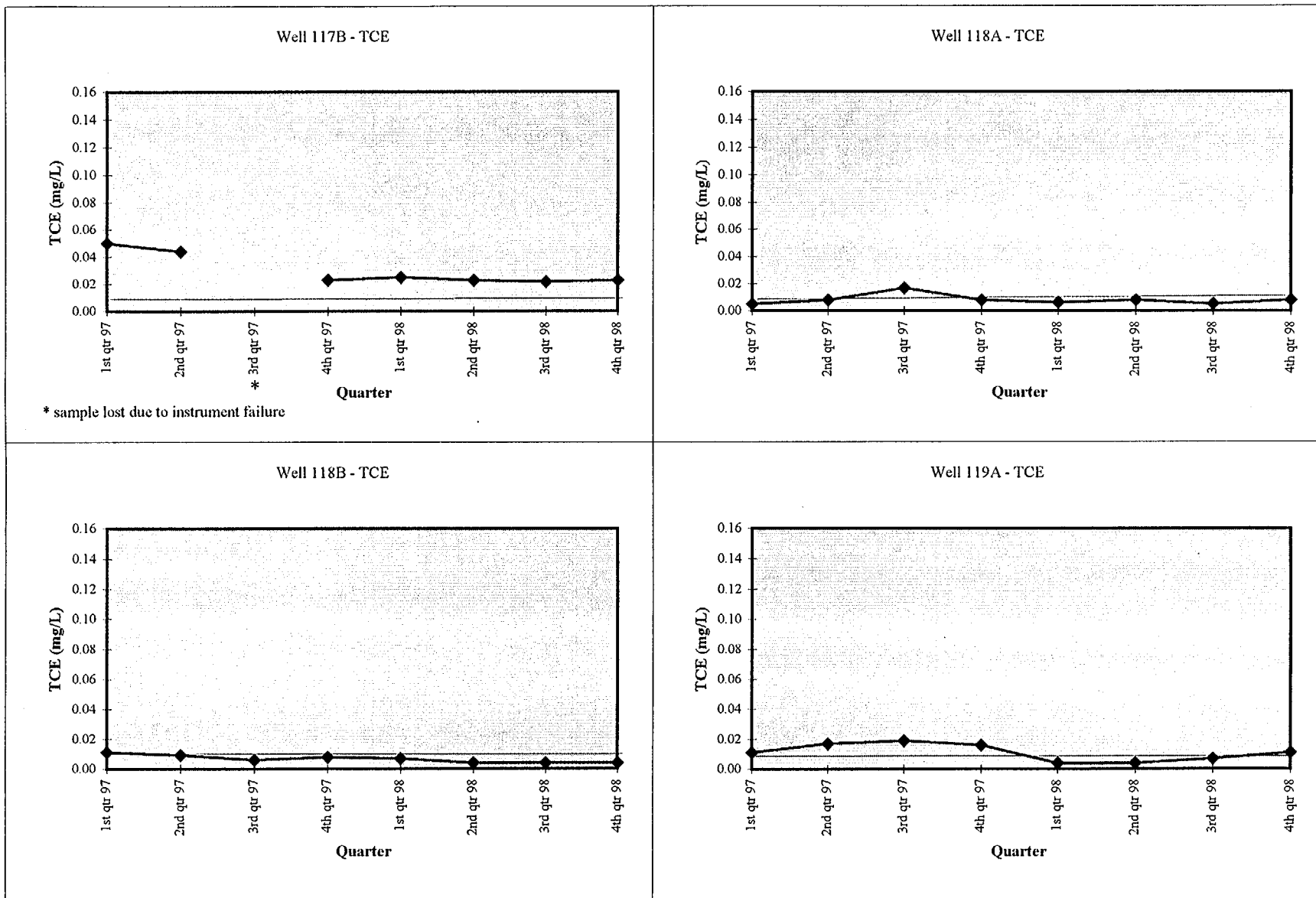
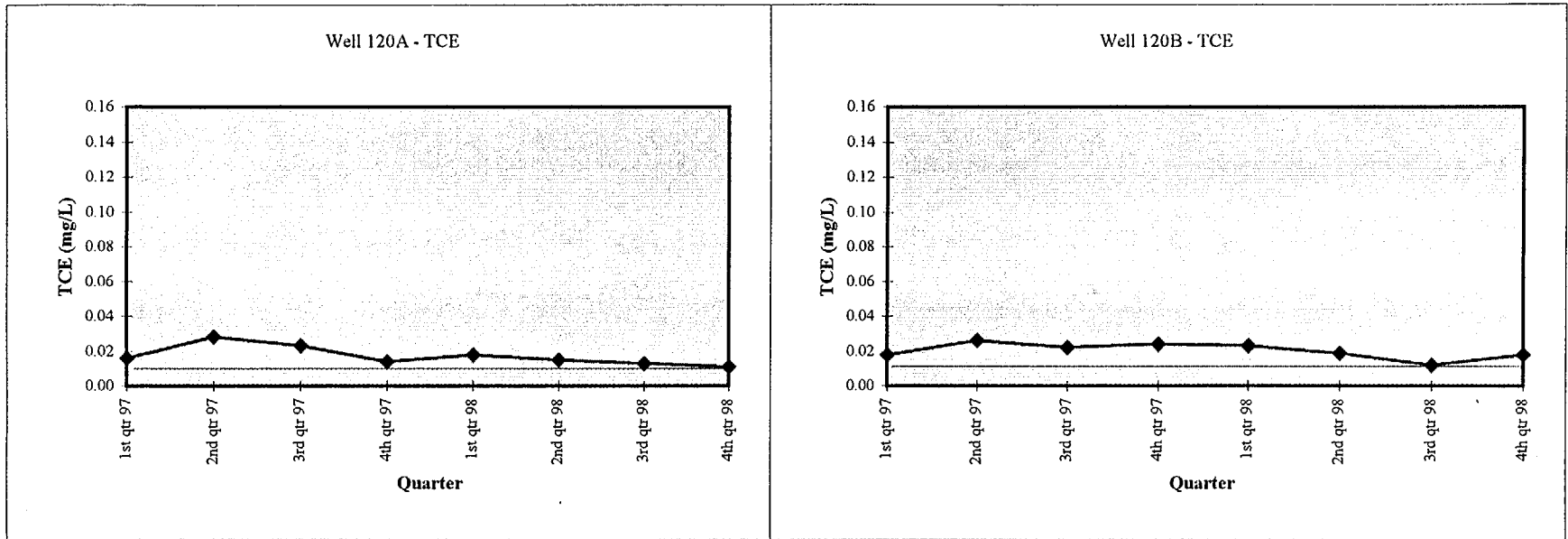


Fig. 1  
Graphs of PCE and TCE Concentrations for the Offsite Wells



T. S. Baer to Messrs. Farmer and Tiesler

21G-99-0029  
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Attachment II to letter  
T. S. Baer to Mr. Alan Farmer and Mr. Thomas Tiesler

***Interim Measures Progress Report***

(12 pages to follow)

**INTERIM MEASURES (IM) PROGRESS REPORT  
SOLID WASTE MANAGEMENT UNITS (SWMU) 2, 4, 6, 7, 9 and 10  
NUCLEAR FUEL SERVICES, INC. (NFS)  
ENVIRONMENTAL PROTECTION AGENCY (EPA) ID. NO. TND 00 309 5635**

**1.0 Work Completed**

Since the last IM Progress Report dated December 11, 1998, work has continued on the North Site excavation. Since the startup (April 10, 1997) of the excavation process for the North Site Burial Grounds approximately 558,051 cubic feet of soil and debris have been transported into Building 410 as of February 9, 1999. Approximately 215,070 cubic feet of soil has been shipped in 7,164 bulk shipping bags and approximately 219,096 cubic feet of soil has been shipped in 444 intermodal shipping containers. In addition, 57,604 cubic feet of debris has been shipped in 545 burial boxes and 42 intermodals.

In accordance with Addendum 1 to the Pond 4 Decommissioning/Interim Measures Workplan, wells in the vicinity of the burial ground are sampled routinely to monitor the effect of waste removal on groundwater quality. Tetrachloroethylene (PCE) and uranium were identified during the North Site Characterization Project as the primary constituents present in groundwater in the vicinity of the burial ground. Fourth quarter 1998 PCE and third quarter 1998 uranium data are discussed in Section 2.2.2. Fourth quarter 1998 uranium data have not been received from the laboratory and will be reported in the next update.

**2.0 Finding and Observations**

Analytical data indicate that the excavated waste and debris from the North Site Burial Grounds (Trenches L, M, K, J, H, and I) do not contain any hazardous constituents above the TCLP regulatory limits.

**2.1 Groundwater Data**

**2.2.1 Pond 4 Downgradient Wells (Wells 101A and 102A)**

Monthly sampling has continued for Wells 101A and 102A that are located along the western perimeter of the NFS site and downgradient of Pond 4. Fourth quarter 1998 PCE, vinyl chloride and tributyl phosphate (TBP) analytical results from Wells 101A and 102A are presented in Table 1.

PCE and vinyl chloride were plotted monthly for both wells. The corresponding graphs are presented in Figure 1 and discussed below.



***Tetrachloroethylene*** - Detected concentrations of PCE for fourth quarter in Well 102A ranged from 2.428 milligrams per liter (mg/L) to 3.171 mg/L. PCE was not detected in Well 101A during the fourth quarter. Trends for PCE in Wells 101A and 102A were not apparent.

***Vinyl Chloride*** - Vinyl chloride was not detected in Wells 101A and 102A during the fourth quarter; however, the PQL is greater than the 0.002 mg/L maximum contaminant level (MCL).

### 2.2.2 Burial Ground Wells

Monthly sampling has continued for wells in the vicinity of the burial ground. Analytical results are presented in Tables 2 and 3.

***Tetrachloroethylene*** - Detected concentrations of PCE in the downgradient wells during fourth quarter 1998 ranged from 0.007 mg/L to 0.045 mg/L. Results from fourth quarter are similar to concentrations observed in previous months. However, there was a notable decrease below the MCL in Well 64 during December 1998.

Concentrations of PCE for each well were plotted monthly. The corresponding graphs are presented in Figure 2. Trends for PCE in the burial ground wells were not apparent.

***Uranium*** - Detected concentrations of uranium in the downgradient wells during fourth quarter 1998 ranged from 447.8 pCi/L to 3248.7 pCi/L. Results from fourth quarter are similar to concentrations observed in previous months. However, there was an increase in total uranium concentrations in Well 95A during July and August. This may be attributable to excavation that occurred in that area during this time frame.

Concentrations of uranium for each well were plotted monthly. The corresponding graphs are presented in Figure 3. Trends for uranium in the burial ground wells were not apparent.

## 3.0 **Deviations from Workplan**

There have been no deviations from the workplan for the fourth quarter 1998.

#### **4.0 Work Projected**

Work Projected for the first quarter of 1999:

- Continue excavation and processing soil and debris of North Site Burial Grounds.
- PCE and total uranium data will continue to be evaluated to determine trends in groundwater quality during the burial ground project. First quarter 1999 PCE and fourth quarter 1998 uranium results will be received and validated. Findings will be presented in the next IM Progress Report.

**Table 1. Fourth Quarter 1998 Analytical Results for Wells 101A and 102A**

Results are reported as mg/L

	Tetrachloroethylene		Vinyl Chloride		Tributyl Phosphate	
	Well 101A	Well 102A	Well 101A	Well 102A	Well 101A	Well 102A
<b>4th Quarter 1998</b>						
Oct-98	< 0.001	2.428	< 0.050	< 0.125	< 0.030	< 0.030
Nov-98	< 0.001	3.171	< 0.050	< 0.125	< 0.030	< 0.030
Dec-98	< 0.001	2.723	< 0.050	< 0.250	< 0.030	< 0.030
Mean	< 0.001	2.774	< 0.050	< 0.167	< 0.030	< 0.030
Action Level	0.005	0.005	0.002	0.002	0.2*	0.2*

Action Levels are based on US EPA Maximum Contaminant Levels (MCL) for drinking water (February 1996)

\* - Provisional action level based on Issue Paper (1992), verified with USEPA RCRA Health Assessment Office (May 1996)

< - Less than detection limit

mg/L = milligram per liter

All analysis performed by NFS

Figure  
 Graphs of Analytical Results for Wells 101A and 102A

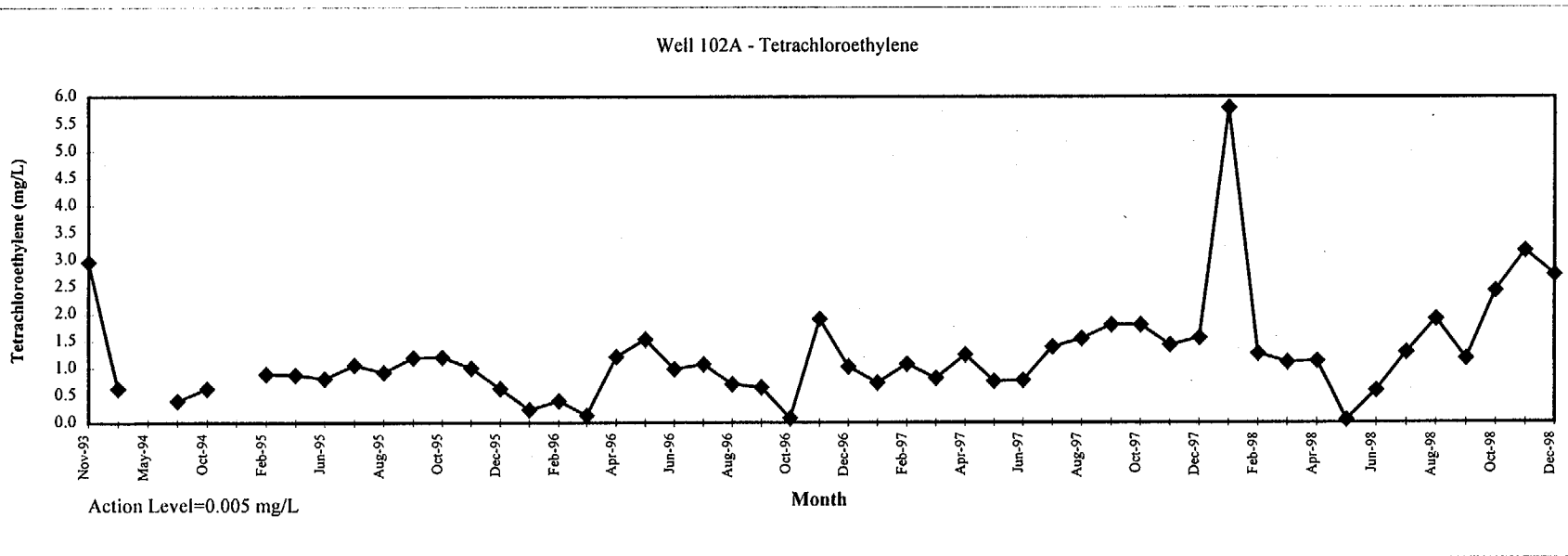
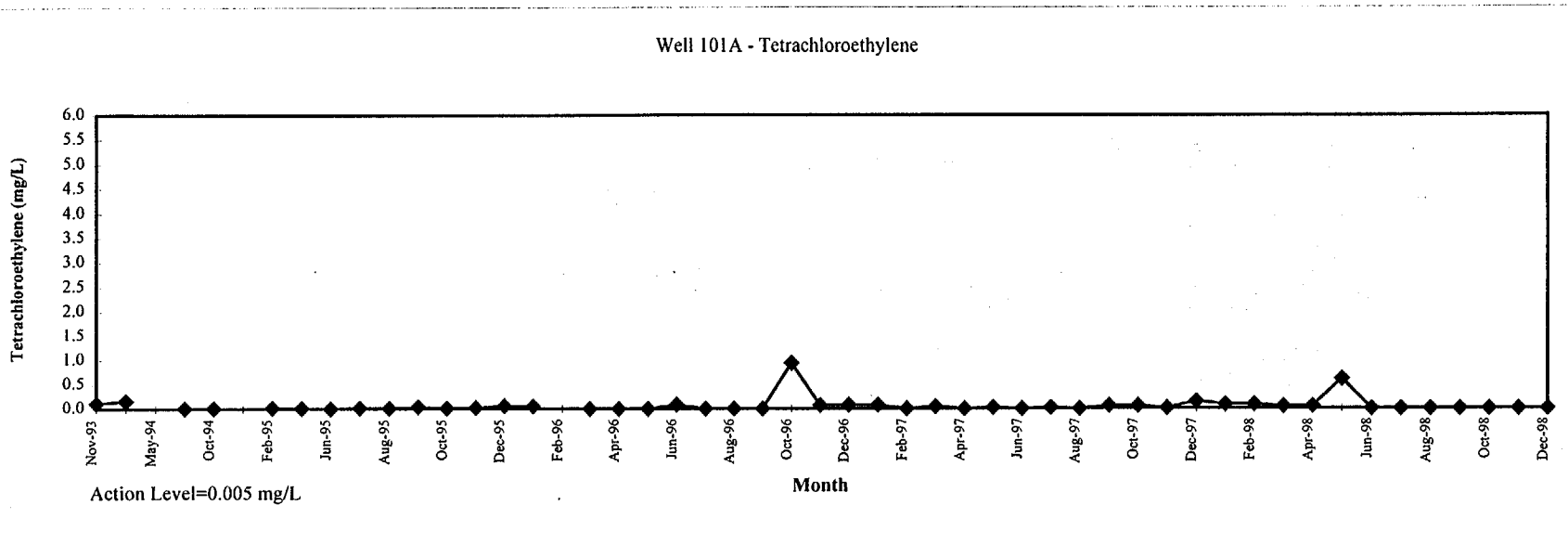


Figure  
 Graphs of Analytical Results for Wells 101A and 102A (cont.)

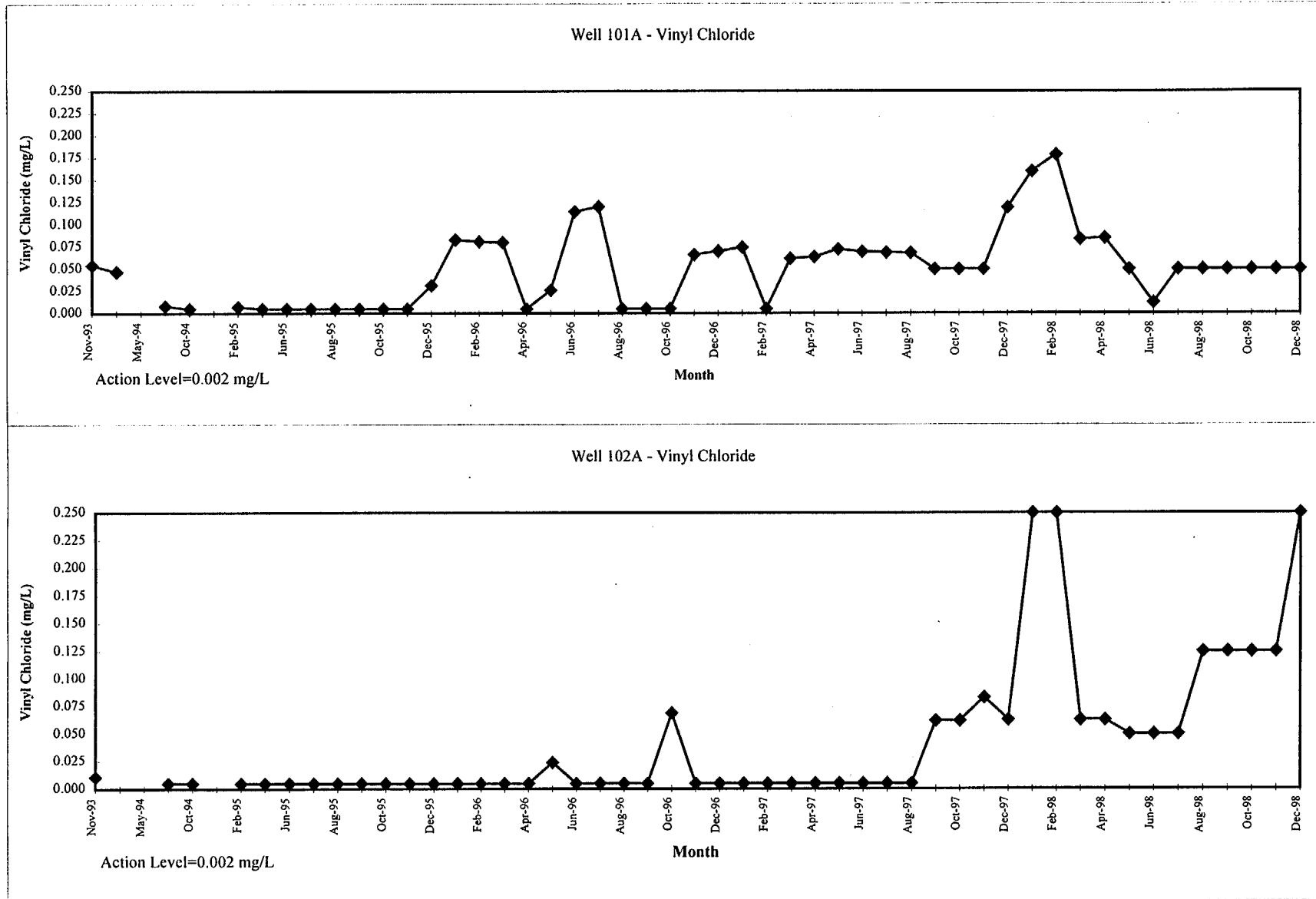


Table 2. Fourth Quarter 1998 Tetrachloroethylene Results for the Burial Ground Wells										
Results are reported as mg/L										
	Upgradient		Downgradient							
	Well 55	Well 63A	Well 57	Well 60	Well 60B	Well 63	Well 64	Well 67	Well 67B	Well 95A
<b>4th Quarter 1998</b>										
Oct-98	0.026	0.006	0.011	0.008	0.017	0.031	0.026	0.010	0.045	0.007
Nov-98	0.029	0.005	0.012	0.009	0.016	0.026	0.026	0.007	0.045	0.007
Dec-98	0.028	0.009	0.012	0.011	0.017	0.033	<0.0001	0.009	0.044	0.008
<b>Mean</b>	<b>0.028</b>	<b>0.007</b>	<b>0.012</b>	<b>0.009</b>	<b>0.017</b>	<b>0.030</b>	<b>0.017</b>	<b>0.008</b>	<b>0.044</b>	<b>0.007</b>
MCL = 0.005 mg/L mg/L = milligram per liter										

**Table 3. Third Quarter 1998 Total Uranium Results for the Burial Ground Wells <sup>1</sup>**

Results are reported as pCi/L

	Upgradient		Downgradient							
	Well 55	Well 63A	Well 57	Well 60	Well 60B	Well 63	Well 64	Well 67	Well 67B	Well 95A
<b>3rd Quarter</b>										
Jul-98	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	1103.9	745.5	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	2224.0
Aug-98	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	1621.8	1249.9	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	3248.7
Sep-98	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	447.8	576.9	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	alpha < 15 pCi/L	706.8
<b>Mean</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>1057.8</b>	<b>857.4</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>2059.8</b>

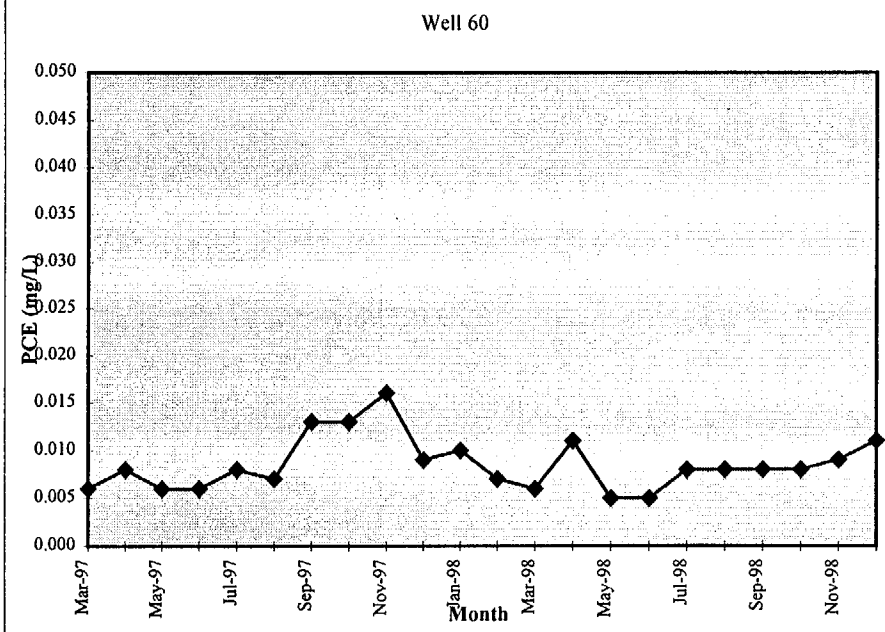
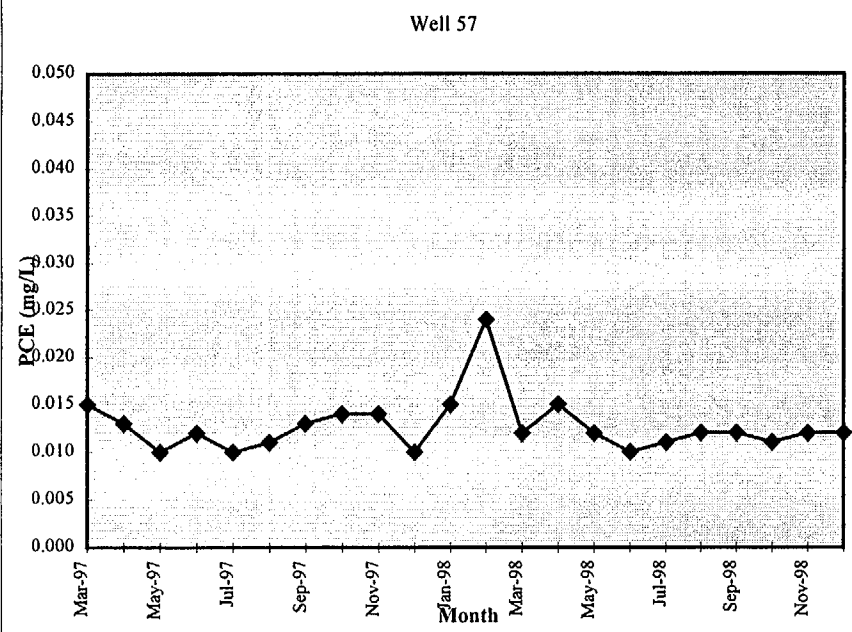
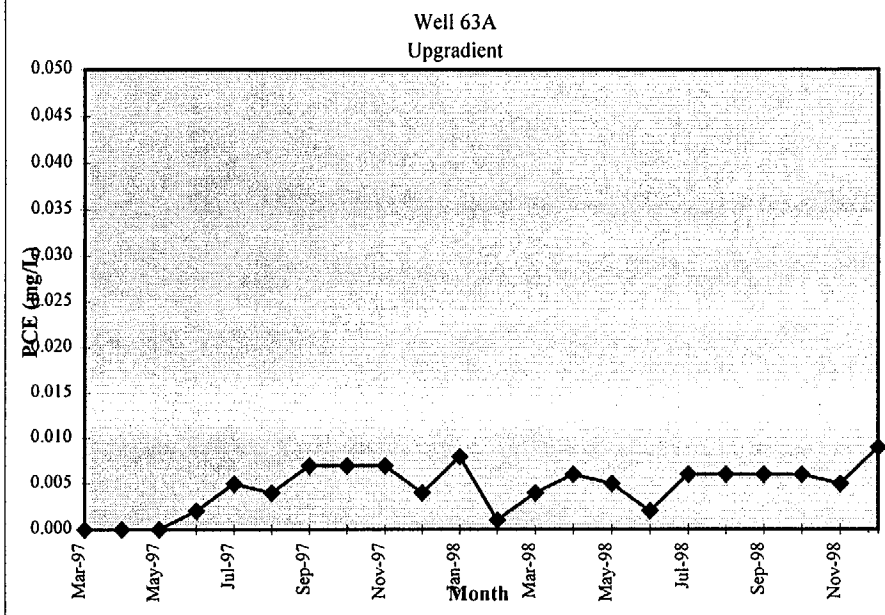
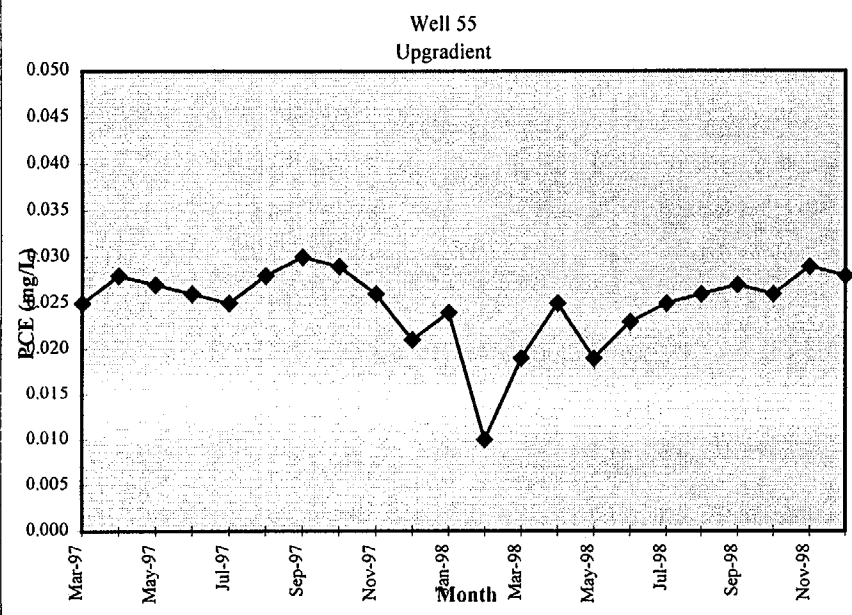
EPA Proposed MCL = 30 pCi/L

n/a=not applicable

pCi/L = picocuries per liter

<sup>1</sup> Beginning November 1997, groundwater samples with gross alpha results less than 15 pCi/L were not analyzed for isotopic uranium.

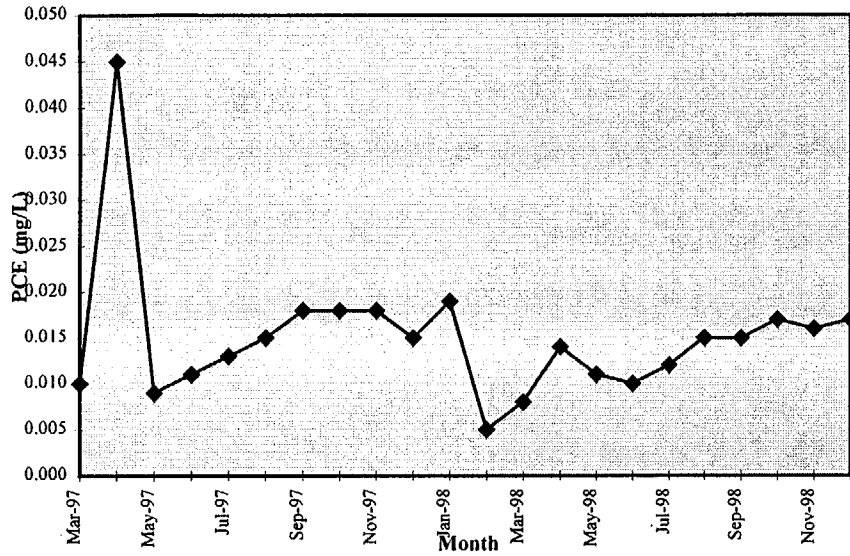
Fig  
 Graphs of Tetrachloroethylene Concentrations for the Burial Ground Wells



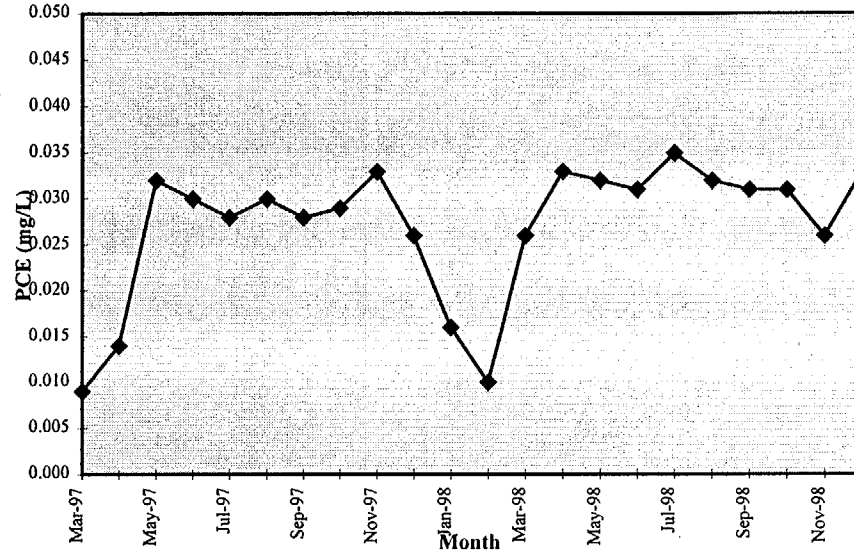


Graphs of Tetrachloroethylene Concentrations for the Burial Ground Wells

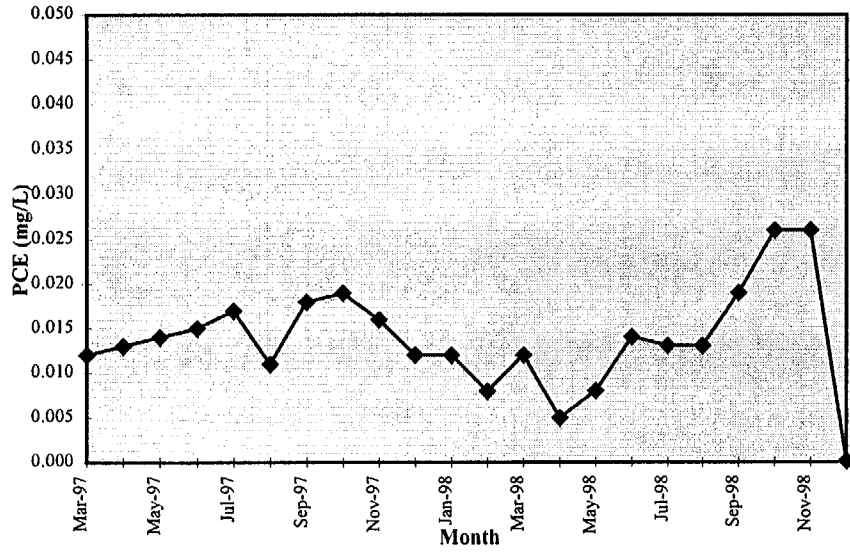
Well 60B



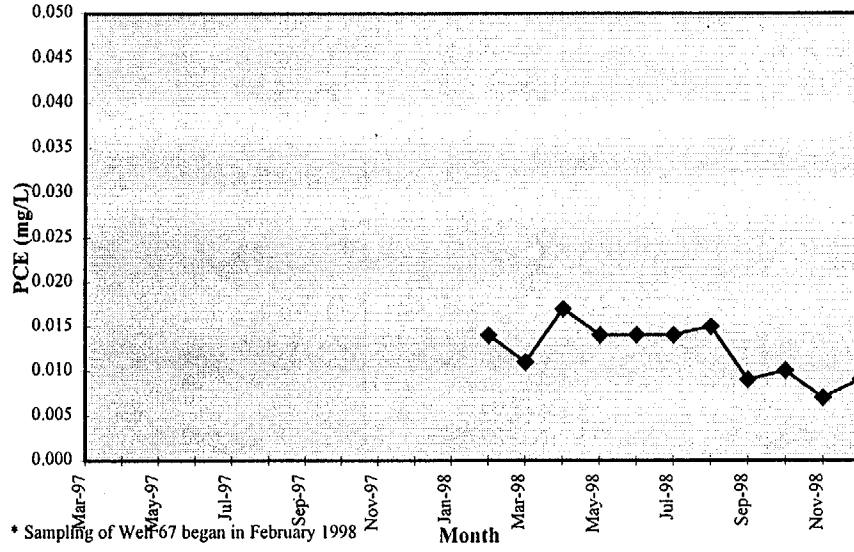
Well 63



Well 64



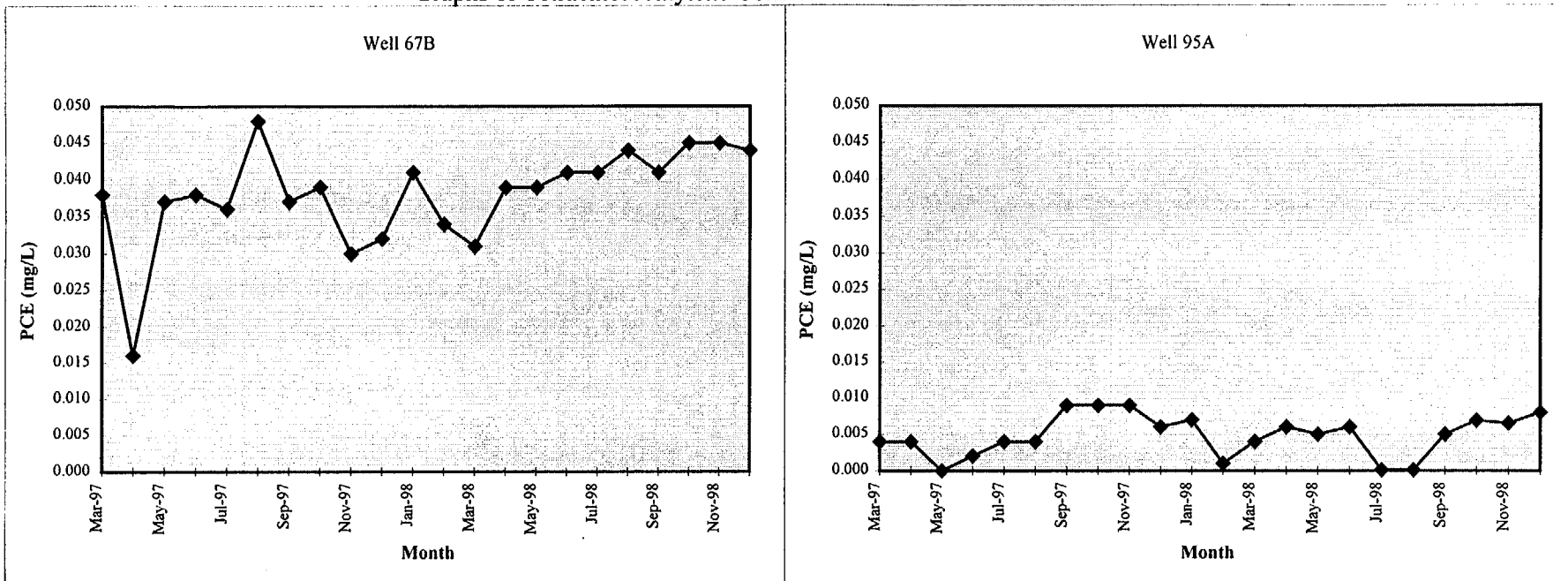
Well 67\*



\* Sampling of Well 67 began in February 1998

Fig

Graphs of Tetrachloroethylene Concentrations for the Burial Ground Wells

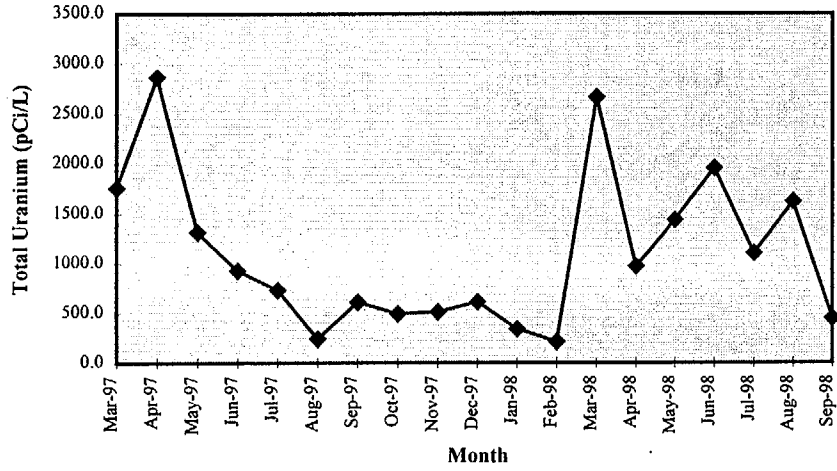


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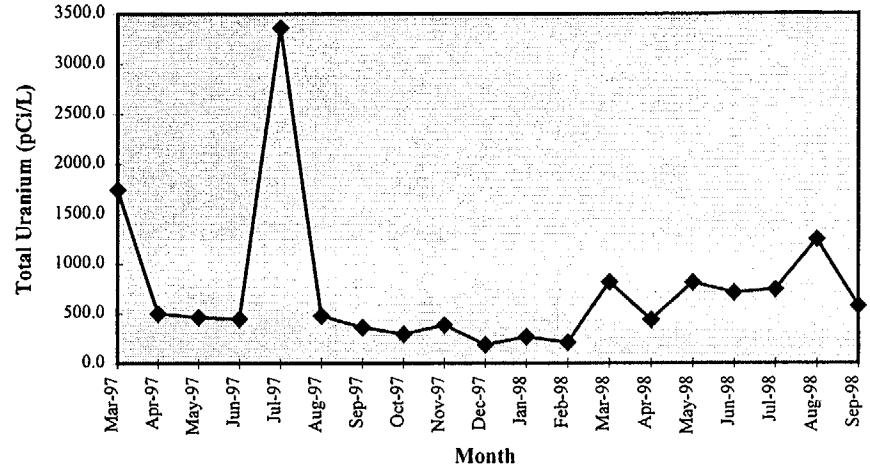
Fig.

Graphs of Total Uranium Concentrations for the Burial Ground Wells

Well 60



Well 60B



Well 95A

