

GE-APP 2004

Kieling



February 27, 2004

Mr. Robert N. Wilkinson  
Environmental Scientist  
Hazardous Waste Enforcement Branch  
United States Environmental Protection Agency  
1445 Ross Avenue  
Dallas, Texas 75202



**SUBJECT:** Monthly Progress Report – February 2004  
General Electric Consent Decree, Civil Action No. 87-1073-jb

Dear Mr. Wilkinson:

On behalf of GE Power Systems (GE), URS Corporation (URS) hereby submits this Monthly Status report for the above-referenced facility. In July 2001, GE, USEPA and NMED entered into discussions following a period of reduced activity regarding the site. As a result of these discussions URS, on behalf of GE, has since prepared and submitted a revised document entitled *Revised Closure Plan, Final Corrective Measure Study Report, Preliminary Corrective Measure Implementation Work Plan (Work Plan)* for the Former Apparatus Service Center, Albuquerque, New Mexico on August 16, 2002. This document was prepared at the direction of the USEPA and NMED to replace previously prepared documents that had not been acted upon by the agencies.

On May 20, 2003, GE submitted Final Revisions to the *Work Plan*, which addressed USEPA's and NMED's comments on previous submittals. On August 11, 2003, GE received a letter, dated August 5, 2003, from USEPA that indicated the May 20, 2003 Final Revisions to the *Work Plan* met the USEPA's and NMED's requirements in USEPA's conditional approval letter, dated January 10, 2003. The August 5, 2003 letter also stated that NMED would provide their response in a separate letter. On December 9, 2003, GE received a hard copy of the *Final Decision and Response to Comments (FDRC)* document from USEPA. On December 22, 2003, representatives of GE and URS participated in a telephone conference with representatives of USEPA (Mr. Robert Wilkinson and Ms. Rita Ware) and NMED (Mr. Will Moats) to resolve minor discrepancies between the FDRC and previous correspondence from USEPA. On January 2, 2004, GE received a letter from NMED that approved the Final Revisions to the *Work Plan*.

A figure showing the project schedule based on the January 2, 2004 approval date is attached. Per prior communications, GE understands that the schedule can be amended if needed by notifying the USEPA and NMED in the event of any delays, etc., during completion of the effort.

The recent activities that have transpired since the preceding monthly progress report are:

- Drilling activities were initiated at the site on February 3, 2004. Prior to the initiation of drilling activities, the drill crew was provided with a copy of the URS Health & Safety

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Plan and a tailgate safety meeting was conducted. A temporary decontamination pad was constructed and the drill rig and soil sampling tools were decontaminated prior to the start of drilling activities. Enviro-Drill, Inc. of Albuquerque, New Mexico mobilized a direct-push geoprobe rig to the site to advance a total of 47 proposed soil borings to a maximum depth of 15 feet below ground surface (bgs).

- The geoprobe rig encountered direct-push refusal at the initial soil boring location at a depth of approximately four feet bgs in a dense caliche layer. The same subsurface soil conditions were encountered at the next two boring locations, and a decision was made to utilize an auger rig to perform the advancement of the soil borings. Consequently, Enviro-Drill, Inc. mobilized a drill rig to the site on February 5, 2004, and the drilling program proceeded without any further interruptions until its completion on February 12, 2004.
- Ms. Rita Ware and Mr. Robert Wilkinson of the USEPA performed a site inspection on February 5, 2004. Upon their arrival, Mr. Brad Lackey, a certified Industrial Hygienist (CIH) with URS, conducted a Health and Safety meeting and admitted Ms. Ware and Mr. Wilkinson onto the site. Mr. Lackey also observed the site conditions and the drilling operation to confirm that the provisions of the URS Health and safety Plan were being met. It is our understanding that USEPA was satisfied with site work and did not express any concerns regarding site work prior to departure from the site at completion of the USEPA site visit.
- Subsurface soil samples were collected at each boring location at the prescribed depths and in accordance with the procedures stated in the USEPA and NMED-approved *Work Plan*, and submitted on a daily basis to Severn Trent Laboratories (STL) for the analysis of PCBs by EPA Method 8082. The soil samples that were collected on February 5th and 6th, 2004 were submitted to STL on an expedited 48-hour analytical schedule, and preliminary lab results were received by URS on February 9, 2004. Based on these preliminary lab results, URS recommended to GE that three additional soil borings be performed at the site to further define the limits of excavation. GE concurred with our recommendation, and URS subsequently advanced three additional soil borings and collected 11 additional soil samples for the laboratory analysis of PCBs. URS is reviewing the remaining lab data as it becomes available to evaluate whether additional borings are needed to define the limits of excavation at the site.
- On February 12, 2004, URS submitted a soil sample to STL in Colchester, Vermont for the geotechnical analysis of particle size distribution in accordance with ASTM D-422. Examination of the STL lab results received by URS on February 27, 2004 indicate that the analyzed soil sample consists of silt (42.1 percent), sand (33.8 percent), and clay (23.7 percent), with a trace of gravel (0.4 percent).

- On February 12, 2004, URS received the air quality analytical laboratory report from STL Austin. All four air quality samples were non-detect for tetrachloroethene and trichloroethene.

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URS will continue to submit monthly status reports to the USEPA and NMED for this project. More detailed information or copies of daily reports, inspection reports, laboratory/monitoring data, etc., are available for review at any time upon request by either the USEPA or NMED. Please contact either Edward F. Jamison, P.G., of GE at (518) 385-7979 or the undersigned at (518) 688-0015 if you have any questions or concerns regarding this information.

Very truly yours,

URS Corporation



Stephen B. Le Fevre, P.G. C.P.G.  
Senior Geologist  
Senior Project Manager



Don Porterfield, P.E.  
Project Director

cc: Edward F. Jamison, GE – Schenectady, New York  
Rita Ware – USEPA  
✓ John Kieling – NM Environment Department  
Will Moats – NM Environment Department  
Clay Kilmer, URS - Albuquerque

Revised Corrective Measure Implementation Schedule  
 GE Power Systems  
 Former Apparatus Service Center  
 Albuquerque, New Mexico

Task Name	Duration (Days)	Start Date	Finish Date	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05
GE Receipt of EPA and NMED Approve Final CMS Documents	0	1/2/04	1/2/04	★																
Conduct Pre-Implementation Investigation	75	1/3/04	3/18/04	█	█	█	█													
Prepare Final Design and Contract Documents	45	3/19/04	5/3/04			█	█	█												
Solicit Bids	30	5/4/04	6/3/04					█	█											
Receive Bids	0	6/3/04	6/3/04						★											
Evaluate Bids	30	6/4/04	7/6/04						█	█										
Contractor Mobilization	30	7/7/04	8/6/04							█	█									
Implement Corrective Measure (mobilization through disposal), meet TSCA Part 40 CFR 761.61 and NM Hazardous Waste Regulations (20.4 NMAC) (Note: see implementation schedule for details)	120	8/7/04	12/6/04								█	█	█	█						
Prepare Draft Corrective Measure Certification/Site Closure Document (Corrective Measures Implementation Report and a Clean Closure Equivalency Demonstration, OSWER Direction 9476.00-18 and 40 CFR 270.1(20.4.1.900 NMAC))	60	12/7/04	2/7/05												█	█				
Submit Draft Corrective Measure Certification/Site Closure Document	0	2/7/05	2/7/05														★			
EPA and NMED Review of Draft Corrective Measure Certification/Site Closure Document	60	2/8/05	4/11/05														█	█	█	
Receive Comments on Draft Corrective Measure Certification/Site Closure Document	0	4/11/05	4/11/05																★	
Decommission Groundwater Monitoring Wells	15	4/12/05	4/27/05																█	
Prepare Well Decommissioning Report	15	4/28/05	5/13/05																█	
Submit Well Decommissioning Report to NMED	0	5/13/05	5/13/05																	★
Address Comments on Corrective Measure Certification/Site Closure Report	30	4/12/05	5/12/05																█	
Submit Final Corrective Measure Certification/site Closure Document (Receive certification per 40 CFR 265.115)	0	5/13/05	5/13/05																	★
EPA Provides Letter Stating Order Has Been Complied With	0	5/28/05	5/28/05																	★

Note: If the completion date of a task fell on a weekend the completion date was adjusted to be the next business day.

**Revised Corrective Measure Implementation Schedule**  
**GE Power Systems**  
**Former Apparatus Service Center**  
**Albuquerque, New Mexico**

Task Name	Duration (Days)	Start Date	Finish Date	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05
GE Receipt of EPA and NMED Approved Final CMS Documents	0	1/2/04	1/2/04	★																		
Conduct Pre-Implementation Investigation	105	1/3/04	4/19/04																			
Prepare Final Design and Contract Documents	45	4/20/04	6/4/04																			
Solicit Bids	30	6/7/04	7/7/04																			
Receive Bids	0	7/7/04	7/7/04							★												
Evaluate Bids	30	7/8/04	8/9/04																			
Contractor Mobilization	30	8/10/04	9/9/04																			
Implement Corrective Measure (mobilization through disposal), meet TSCA Part 40 CFR 761.61 and NM Hazardous Waste Regulations (20.4 NMAC) (Note: see implementation schedule for details)	120	9/10/04	1/10/05																			
Prepare Draft Corrective Measure Certification/Site Closure Document (Corrective Measures Implementation Report and a Clean Closure Equivalency Demonstration, OSWER Direction 9476.00-18 and 40 CFR 270.1(20.4.1.900 NMAC))	60	1/11/05	3/14/05																			
Submit Draft Corrective Measure Certification/Site Closure Document	0	3/14/05	3/14/05																			
EPA and NMED Review of Draft Corrective Measure Certification/Site Closure Document	60	3/15/05	5/16/05																			
Receive Comments on Draft Corrective Measure Certification/Site Closure Document	0	5/16/05	5/16/05																			
Decommission Groundwater Monitoring Wells	15	5/17/05	6/1/05																			
Prepare Well Decommissioning Report	15	6/2/05	6/17/05																			
Submit Well Decommissioning Report to NMED	0	6/17/05	6/17/05																			
Address Comments on Corrective Measure Certification/Site Closure Report	30	5/17/05	6/16/05																			
Submit Final Corrective Measure Certification/Site Closure Document (Receive certification per 40 CFR 265.115)	0	6/17/05	6/17/05																			
EPA Provides Letter Stating Order Has Been Complied With	0	7/4/05	7/4/05																			

Note: If the completion date of a task fell on a weekend or holiday, the completion date was adjusted to the next business day.  
Schedule modified based on March 15, 2004 email from Mr. Robert Wilkinson of the EPA.

**SOIL BORING LOCATIONS AND SAMPLE DEPTHS  
SECOND ROUND SOIL SAMPLING**

**CORRECTIVE MEASURES STUDY  
PRE-IMPLEMENTATION INVESTIGATION**

**GENERAL ELECTRIC ENERGY  
FORMER APPARATUS SERVICE CENTER  
ALBUQUERQUE, NEW MEXICO**

Location	Boring ID	Sample Depths	Analysis	Number of Borings	Number of Samples
Boring B-6 (6 feet deep)	5054	5, 8, and 10 feet bgs	PCBs	1	3
Surface Soil and Subsurface Soil	5012	1.5 and 5 feet bgs	PCBs	6	15
	5013	1.5 and 5 feet bgs			
	5014	1.5 and 5 feet bgs			
	5055	0 to 0.5, 1.5, and 5 feet bgs			
	5056	0 to 0.5, 1.5, and 5 feet bgs			
	5057	0 to 0.5, 1.5, and 5 feet bgs			
Near Boring 7B-6 (11 feet deep)	5058	6, 8, and 11 feet bgs	PCBs	3	9
	5059	6, 8, and 11 feet bgs			
	5060	6, 8, and 11 feet bgs			
Dry Well Area (15 feet deep)	5061	5, 8, and 10 feet bgs	PCBs	7	21
	5062	5, 10 and 15 feet bgs			
	5063	5, 10 and 15 feet bgs			
	5064	5, 10 and 15 feet bgs			
	5065	5, 10 and 15 feet bgs			
	5066	5, 10 and 15 feet bgs			
	5067	5, 8, and 10 feet bgs			
Along Building and Concrete Pad	5068	5, 10 and 15 feet bgs	PCBs	4*	12
	5070	5, 8, and 10 feet bgs			
	5071	5, 8, and 10 feet bgs			
	5072	5, 8, and 10 feet bgs			
Additional Samples	5069	9 to 10 and 11 to 13 feet bgs**	PCBs and VOCs	2	6
	5070	0.5 to 2.5 feet bgs			
	5073	5, 10 and 15 feet bgs			
Duplicate Samples	-	-	PCBs	-	5
Rinsate Blanks	-	-	PCBs	-	3
<b>Total Number of Borings/Samples</b>				<b>23</b>	<b>74</b>

Notes:

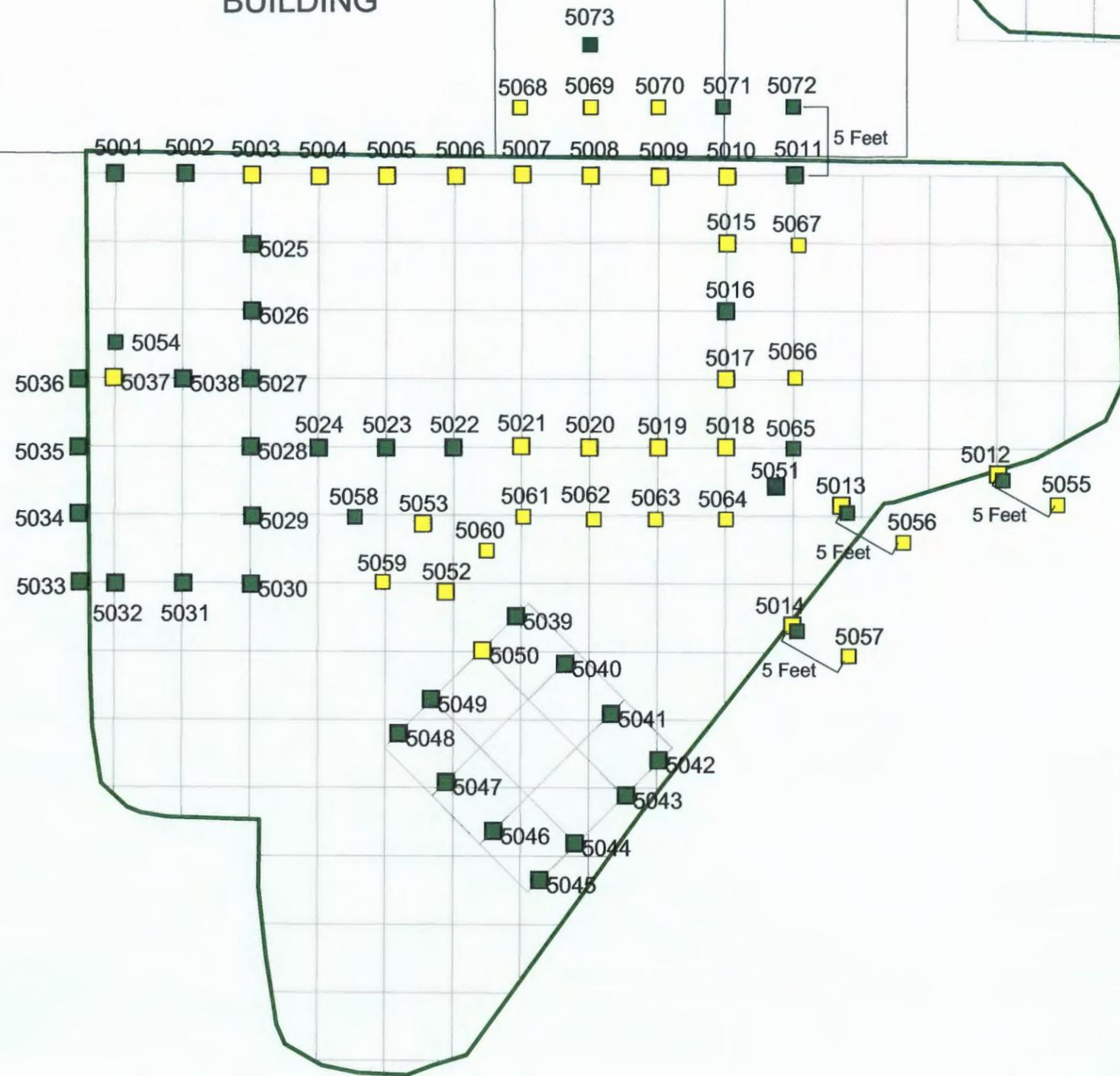
\*: Requires concrete coring prior to advancement of the soil boring.

\*\* : The sample from the 9-10' interval was analyzed on an expedited (72-hour) TAT.

SHEET  
METAL  
BUILDING

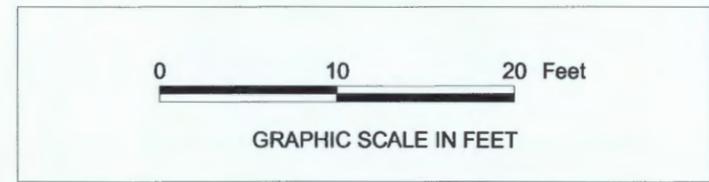
CONCRETE  
PAD

FORMER  
SHED



**LEGEND**

- Completed Soil Boring - Total PCBs  $\geq$  1.0 mg/kg
- Completed Soil Boring - Total PCBs  $<$  1.0 mg/kg
- Previously Anticipated Post-Excavation Sampling Grid
- Previously Anticipated Surface Soil Excavation Areas



Title:	PRE-IMPLEMENTATION SOIL BORING LOCATIONS	
Location:	FORMER APPARATUS SERVICE CENTER ALBUQUERQUE, NEW MEXICO	
Client:	GENERAL ELECTRIC ENERGY	
	Drafter: BKG	Date: March 31, 2004
	Drg. Size: 11 x 17	Job No.: 38394098

BASE MAP PROVIDED BY  
LAW ENVIRONMENTAL.

**FIGURE 1**