



**Preliminary Assessment/Site inspection/Integrated Removal
Site Evaluation and
Site Reassessment Sampling Plan**

**Compass Plaza Well TCE and Positronics Inc. Sites
Rogersville, Missouri
Greene County**

Prepared For:

Missouri Department of Natural Resources
Division of Environmental Quality
Hazardous Waste Program

Prepared By:

Missouri Department of Natural Resources
Division of Environmental Quality
Environmental Services Program

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1.0 Introduction

As authorized under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986, the Missouri Department of Natural Resources (MDNR), Hazardous Waste Program (HWP), Site Assessment Unit is conducting a combined Preliminary Assessment/Site Inspection/ Integrated Removal Site Evaluation (PA/SI/RSE) and a Site Reassessment (SR) on two sites. The site where the PA/SI/RSE is the Compass Plaza Well Trichloroethene (TCE) (Compass Plaza) Site and the SR will be performed at the Positronics Inc. (Positronics) Site. Both site investigations will help determine the threat to human health and the environment posed by each site. The MDNR, HWP requested the MDNR, Environmental Services Program (ESP) prepare and implement a sampling plan as part of both investigations. The scope of the investigations will include collecting source samples to determine the types and concentrations of hazardous substances on-site and collecting media samples to investigate migration of hazardous substances from the site. The site sampling plans have been combined in an effort to not only locate a potential source of TCE contamination found at the Compass Well site but also to potentially separate the Positronics site as a stand alone site.

2.0 Site Information

2.1 Location

The two sites have been separated into five potential areas of investigation. These areas are located in and around the town of Rogersville, Greene/Webster Counties, Missouri. The Positronics location is 224 Center Street in the town of Rogersville, Webster County. The four other site locations are broken down into areas on the outskirts of Rogersville. Area one is located at private wells that serve several small businesses around the Industry Road area just west of Rogersville in Webster County. Area two is located on the eastern edge of Rogersville at the Compass Plaza Complex at 201 South Marshall Street, Greene County. Area three is also located east of Rogersville behind the Jamestown Plaza at a former burn area for ice storm debris from the Southwest Missouri Ice Storm of January 2007. This area is surrounded by four roads with Interstate 60 boarding to the north, Jamestown Boulevard to the east, West Monument Boulevard to the south and South Park Avenue to the west. A fourth location east of Rogersville is a section of private property that has been assigned a locational ID number of 176 to protect the property owner's right of anonymity. The exact location and address of Location ID 176 is kept by the HWP project manager. Site maps (Appendix A) are provided at the end of this report and show the general locations of all five investigation areas with potential sampling locations included.

2.2 History/Contaminants of Concern

The Compass Plaza site was first entered into CERCLIS in March 2010. The SAU completed three private well sampling events in March, April and June of 2010. There have been 121 wells sampled during these events, 13 of which have shown TCE present. Of those 13 wells six have

shown TCE levels in excess of the federal drinking water standards (5.0 µg/l). The MDNR and the Environmental Protection Agency (EPA) are currently investigating the site to determine further action and to determine a source of the contamination. TCE is the primary contaminant of concern.

3.0 Site Reconnaissance

Site reconnaissance was performed by ESP and HWP personnel on this site on July 19, 2010 to determine sample locations at the five areas. The property owner at location 176 was not at home during the reconnaissance therefore sampling locations could not be determined at his location. Sampling locations were determined at the other locations based upon site characteristics which included vegetation and terrain. The Positronics site's sampling locations were altered to a high degree based upon these factors and an interview with the current property owner. He stated that an old lagoon containing wastewater from the Positronics plant had been filled with concrete and upon reconnaissance it was determined that depth sampling at the lagoon would not be feasible without major alterations to the former lagoon.

4.0 Field Activities

Non-random sampling will be conducted to determine the types of hazardous wastes which may be present and to determine the impact to human health and/or the environment. This plan directs field personnel to collect soil, and groundwater grab samples. In addition, appropriate background samples will be collected from locations determined to be unaffected by any previous site activities of all media collected.

All sample locations and descriptions will be noted in a bound field logbook and locations noted on a site map. Personnel will determine global positioning system (GPS) coordinates of all sampling locations.

ESP personnel will calibrate field instruments, including photoionization detector (PID), pH, specific conductivity, and temperature meters on-site following manufacturers' specifications.

DIG-RITE will be notified to mark underground utilities for their subscribers in the area. Underground utilities not covered by DIG-RITE will be contacted directly. Personnel may also rely upon knowledge of the site owner to locate any underground utilities.

4.1 Sampling Methods

All aspects of sampling shall be performed using standard operating procedures (SOPs) established within the ESP, Environmental Emergency Response/Field Services Section (EER/FSS) for the collection, preservation, and transport of various media sampled. Modifications to the following sampling methods may be made in the field based upon

conditions encountered. Any modifications to the methods will be noted in the field logbook and final sampling report submitted to the HWP.

4.1.1 Depth-discrete soil sampling

Depth discrete soil borings will be field screened with a PID. ESP staff will be prepared to immediately collect soil samples (as prescribed below) from depths where relatively high concentrations of volatile organic compounds are detected.

Soil borings will be advanced utilizing a truck-mounted hydraulic soil probe. Clean disposable polyvinyl chloride (PVC), heavy-walled liners will be inserted into stainless steel macro core samplers fitted with clean or field decontaminated cutting shoes. The core samplers will be advanced to the desired sampling depth via drive rods and the samplers and soil retrieved. The PVC liners will be removed and cut open exposing the soil.

The portion of each sample to be analyzed for volatile organics will be immediately transferred directly to sample containers. Personnel will utilize clean stainless steel spoons to transfer the remainder of each sample to clean aluminum foil pans for homogenization prior to placement into sample containers.

In the event groundwater is encountered, a water grab sample may be collected from the soil boring via installation of a temporary monitoring well as described below in Section 4.1.2.

4.1.2 Temporary monitoring well sampling

Field instruments to be used during water sample collection, including pH, specific conductivity, temperature, and turbidity meters, will be calibrated on-site per manufacturers' specifications.

A temporary monitoring well will be installed by placing five feet of schedule 40 PVC slotted well screen down the bore hole followed by schedule 40 PVC riser pipe up to the surface. Once the well has been sampled, the riser and well screen will be removed and the bore hole closed by insertion of bentonite chips into the bore hole.

Samples will be collected by first laying clean plastic sheeting on the ground around the well casing. Personnel will then access the well and determine the total depth and depth to water and calculate one well volume. A clean or field decontaminated submersible or peristaltic pump using clean, disposable polyethylene tubing under low flow conditions (as described below) or a clean, disposable Teflon or polyethylene bailer, with clean rope, will be used to evacuate each well. Personnel will determine water quality parameters (pH, specific conductivity, and temperature) and evacuation will resume until one of three criteria is met: 1) water quality parameters stabilize (pH within 0.2 units, temperature and specific conductivity within 10%) between two consecutive evacuations; 2) three well volumes are removed; 3) or the well is evacuated dry.

In the event the well is evacuated dry, a grab sample may be collected as soon as the well has recharged sufficiently. Otherwise, once evacuation is complete, the sample will be collected by gently lowering the bailer to the bottom of the well and retrieving water back to the surface. A clean bottom-emptying device will be used to transfer water directly to sample containers. Specific conductivity, pH, and temperature will be determined at the time of collection.

If a submersible pump is used, well evacuation and sampling will be performed using low flow methodology by employing a pump capable of adjusting flow rates within a range of 100 to 500 ml/min. The pump will be lowered to within the upper 1/3 of the screened interval or upper 1/3 of the water column if the water table is below the upper 1/3 of the screened interval. The pump is then adjusted to a flow rate between 100 to 500 ml/min and allowed to purge for either 3 or 5 minutes, dependent upon well conditions and site considerations. After the set time interval, water quality parameters will be determined and samples will be collected after parameters have stabilized for two consecutive readings. Drawdown rates will be constantly monitored to determine if the water column is being drawn down. If the column is being drawn down, then the flow rate will be decreased to prevent additional drawdown. Drawdown rates should be kept to below 10% of the water column, optimally at no drawdown. If drawdown is below 10% of the water column then the well will be allowed to recover prior to sampling or sampled according to other methods described above.

4.1.3 Private well samples

Samples will be collected from taps nearest the well heads after opening the tap at a high flow for approximately five minutes. Sample containers will then be filled directly from the taps at a low flow. Specific conductivity, pH, and temperature will be determined at the time of collection.

4.2 Sampling Order

Though not always practical, attempts will be made to collect all samples in the order from least-to-most contaminated. Regardless of order, all background samples will be collected using clean equipment to minimize cross-contamination.

Containers for each sample will be filled based upon the volatility of the analytes of concern and the most volatile analytes will be collected first.

4.3 Sample Quantity

Refer to Appendix A (site map) for the approximate number and locations of samples to be collected (subject to change based on field conditions and observations).

4.4 Analyses Requested

Based on the history of the site and previous sampling conducted, all samples will be analyzed for volatile organics. Samples collected from the Positronics location will be additionally

sampled for total metals (Cr, Cu, and Ni) along with Cyanide. If a water grab is collected at the Positronics location then Hexavalent Cr will also be collected. Instructions will be relayed to analytical personnel that if a sample's total analyte results are 80% of twenty times the Toxicity Characteristic Leaching Procedure (TCLP) regulatory limit, TCLP analysis will be performed on that sample.

4.5 Sample Container and Preservation Requirements

Refer to the following tables for container and preservation requirements on all samples.

Water Samples

Parameters	Container(s)/Volume	Preservative(s)	Holding Time
Volatile Organics	Two 40-ml vials	HCl to pH<2, Cool No headspace	14 days
Hexavalent Cr	250 ml plastic	Filter, Cool	24 hours
Cyanide	250 ml plastic	NaOH to pH > 12, Cool	28 days
Total Metals (Cu, Cr, and Ni)	250 ml plastic	HNO ₃ to pH<2, Cool	6 months

Soil/Miscellaneous Samples

Parameters	Container(s)/Volume	Preservative(s)	Holding Time
Volatile Organics	Three 5-gram soil samplers	Cool (Freeze if holding time exceeds 48 hours)	14 days
Cyanide	One 8-oz glass jar	Cool	28 days
Total Metals (Cu, Cr, and Ni)	One 8-oz glass jar	Cool	6 months

All samples will be collected in certified-clean containers and preserved in the field as appropriate. Analytes may be combined (when appropriate) to economize on the number of sample containers used for each sample.

4.6 Chain-of-Custody

All samples will receive a numbered label and the corresponding number will be entered onto a chain-of-custody form indicating the description, location, date and time of collection, and analytes requested. Samples will be stored and transported on ice in coolers. ESP field personnel will maintain custody of the samples until relinquishing them to a sample custodian at the state's environmental laboratory within the Environmental Services Program in Jefferson City for analyses.

5.0 Data Quality

To help ensure precise, accurate, representative, complete, and comparable data are achieved, all field work and analyses will be conducted in accordance with the SAU Quality Assurance Project Plan for Pre-Remedial/Pre-Removal Site Assessment, December 7, 2007 Revision 6. Unless otherwise noted in this sampling plan, ESP field personnel will utilize SOPs established within the ESP, EER/FSS for all samples collected.

5.1 Field Methods

Clean disposable nitrile gloves will be worn by sampling personnel and clean or field decontaminated equipment will be utilized for each separate sample collected to minimize the possibility of cross-contamination.

Field personnel shall note all observations, sample locations, descriptions, and methods in a bound field logbook.

5.2 Field Decontamination

Field decontamination of sampling equipment, if required, will be accomplished as follows:

- Nylon brushing with a solution of Simple Green cleaner
- Nylon brushing with a solution of Liquinox (non-phosphate) cleaner
- Tap water rinse
- Final deionized water rinse

Decontaminated equipment will be stored on clean plastic and allowed to air dry until used again.

5.3 Quality Assurance/Quality Control (QA/QC) Samples

The ESP, EER/FSS has established the following definitions for QA/QC samples routinely included/collected during sampling events.

5.3.1 Trip blank

Trip blanks enable personnel to estimate bias due to cross-contamination during sample storage and transport and are routinely included when water samples are to be collected, particularly when volatile and semi-volatile organic compounds are contaminants of concern at the site.

A trip blank, consisting of analyte-free water prepared in the laboratory, will be taken to the field and will accompany samples collected and transported back to the laboratory. The trip blank is not opened during any portion of the fieldwork.

Personnel will include a minimum of one trip blank for the sampling event or one trip blank for each day of sampling. Each trip blank will receive a numbered label, be entered onto the chain-of-custody form, and analyzed for volatile organics.

5.3.2 Duplicate (co-located) samples

Duplicate water samples are used primarily to assess the precision associated with sampling methodology and, to a lesser extent, sample heterogeneity and analytical procedures. Duplicate soil samples are used primarily to determine the variability or heterogeneity of the sampled media. Due to the heterogeneity of soils, caution must be used if attempting to assess precision associated with sampling methodology or analytical procedures.

ESP personnel routinely collect duplicate water samples at a rate of 10% of the total number of water samples collected or at least one for each day of sampling. Each duplicate sample will be collected at the same location and time as its true sample, using similar equipment and technique. Each duplicate sample will receive a numbered label, be entered onto the chain-of-custody form, and submitted for the same analyses as its true sample.

5.3.3 Replicate (split) samples

Replicate samples are used primarily to check instrument precision and accuracy of a laboratory analysis and, to a lesser extent, sample handling procedures. Replicate samples (water and soil) are collected by dividing or splitting one sample that has been mixed or homogenized into two samples for separate analyses. Replicate samples are not recommended for any volatile organic compounds of concern due to the potential loss of the volatiles during the mixing process. ESP personnel routinely collect replicate soil/other non-aqueous material samples at a rate of 10% of the total number of soil/non-aqueous samples collected, or at least one for each sampling day. Replicate samples are collected by dividing the homogenized true sample evenly into two separate samples and submitting each for laboratory analyses. Each replicate sample shall receive a numbered label, be entered onto the chain-of-custody form, and submitted for the same analyses as its true sample.

5.3.4 Equipment rinsate blank samples

Rinsate samples enable personnel to estimate bias caused by residual contamination of field-decontaminated equipment used during sample collection. Rinsate samples consist of flushing distilled water over and/or through sampling equipment after field decontamination has occurred and before reusing the equipment and collecting the rinsate in sample containers.

If field decontaminated equipment is used for sample collection, at least one equipment rinsate blank will be collected to assess the effectiveness of field decontamination efforts. Each rinsate blank will receive a numbered label, be entered onto the chain-of-custody form, and submitted for the analytes of concern.

6.0 Investigation Derived Wastes (IDW) Plan

Efforts will be made to minimize IDW generation. IDW may include soil, aqueous liquids (groundwater and surface water), decontamination fluids, disposable sampling equipment, and disposable personal protective equipment (PPE).

Field personnel will attempt to return unused soils to their source immediately after generation or, if warranted, containerize and return them to the ESP laboratory for proper disposal. IDW generated during well evacuation will be discharged to the ground away from the well casing or, if warranted, containerized and returned to the ESP laboratory for proper disposal. Disposable PPE and disposable sampling equipment will generally be handled as solid waste, containerized, and properly disposed. Wash and rinse waters generated during equipment decontamination will generally be discharged to the ground on-site or, if warranted, containerized and returned to the ESP laboratory for proper disposal.

7.0 Site Safety

A safety briefing will be held on-site prior to initiating field activities and field personnel will be required to read and sign the site-specific health and safety plan. The site safety plan is attached as Appendix B.

8.0 Reporting

The analytical results of samples collected will be presented, along with methods of collection and observations, in a formal report to be submitted to the HWP.

Submitted by:

Kenneth Hannon
Kenneth Hannon
Environmental Specialist
Field Services Unit
Environmental Services Program

Date:

7/27/10

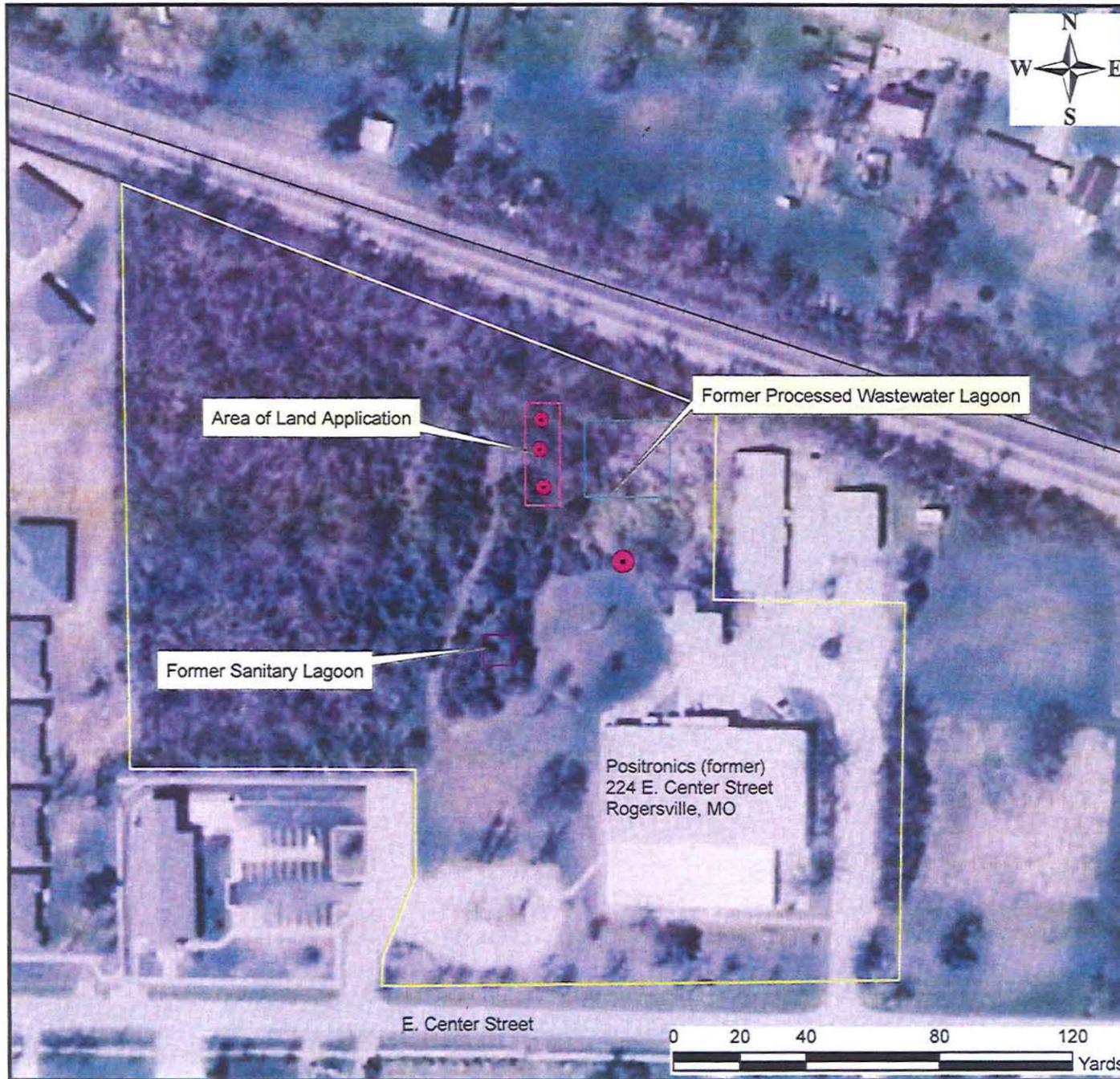
Approved by:

Pia Capell + Shelly Jackson
Pia Capell/Shelly Jackson
Environmental Specialists
Hazardous Waste Program

RA:kht

c: Pia Capell & Shelly Jackson, Environmental Specialist, HWP

APPENDIX A
Site Map
Compass Plaza and Positronics Site
Rogersville, Missouri



Proposed Sample Location Map
 Positronics Inc
 224 E. Center Street
 Rogersville, MO 65742
 Webster County

Legend

- Soil Boring
- Railroad
- Positronic Property Boundary

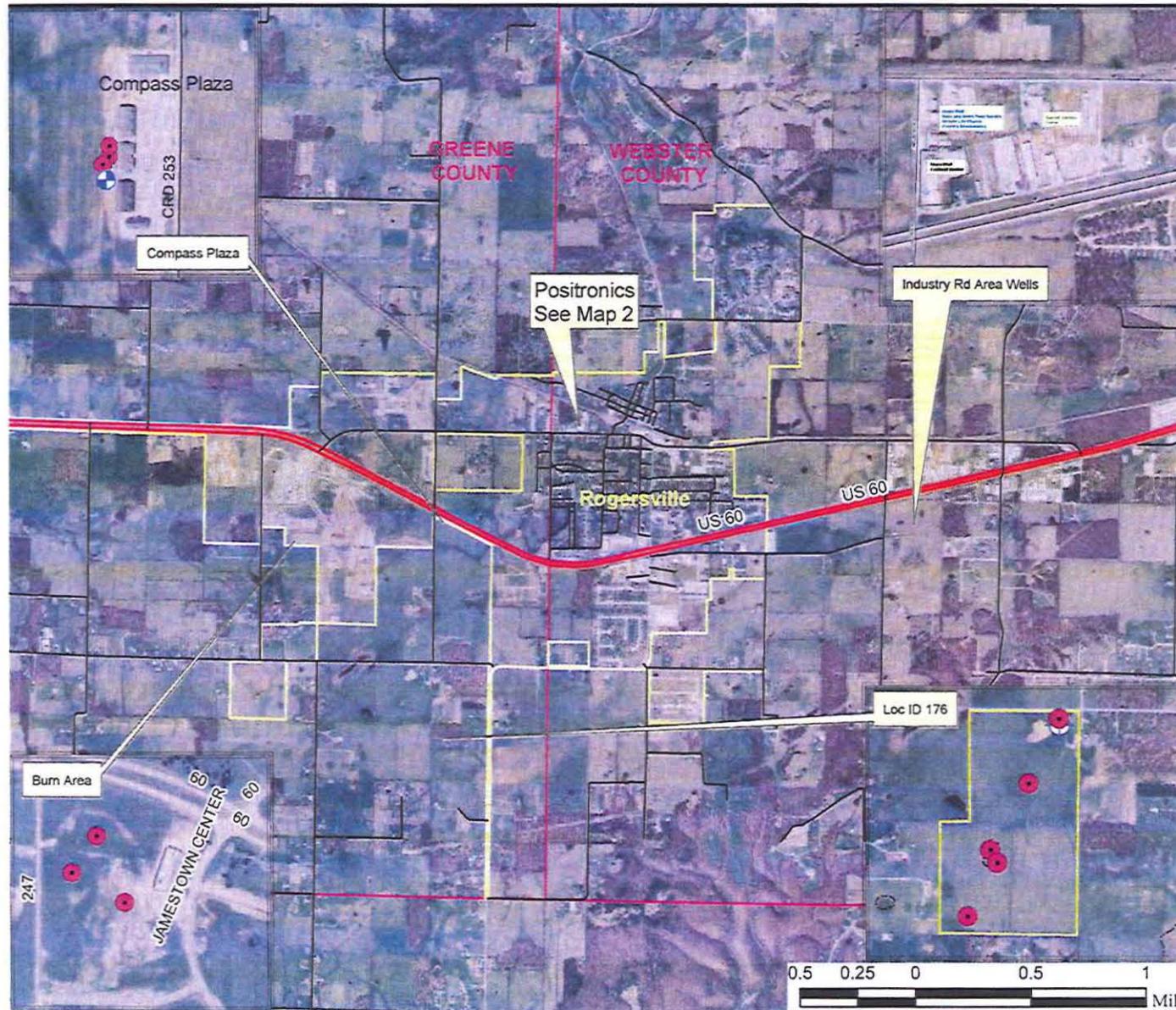


Created on: May 17, 2010 by Shelly Jackson. This map is located at M:\Superfund\Lead Inventory\Webster Wright\Maps\ProposedSampleLoc.mxd

Data Source: United States Geological Survey, Bureau of the Census.

Although data sets used to create this map have been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.





Source Area Sampling Locations
Compass Plaza Well TCE Site
Rogersville
Greene/Webster Counties, MO

Legend

-  Well
-  Soil Boring
-  Road
-  Rogersville Boundary
-  County Boundary



Created on: July 21, 2010 by Shelby Jackson.
 This map is located at [MSuperfund/Compass Plaza/Maps/Source Area/SamplingMap.mxd](#)

Base Map: National Agricultural Imagery Program. Flight Date: 2006.

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Missouri Department of
 Natural Resources
 Division of Environmental Quality
 Hazardous Waste Program

APPENDIX B
Health & Safety Plan
Compass Plaza and Positronics Site
Rogersville, Missouri

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES PROGRAM

Compass Plaza/Positronics Site
SITE HEALTH AND SAFETY PLAN

1.0 INTRODUCTION

This plan has been prepared for implementation by ESP employees, using operating procedures for which they are specifically trained. Any use of the plan by other agencies, organizations, or private individuals is at their own risk.

2.0 KEY PERSONNEL

MDNR OSC: Ken Hannon SAFETY OFFICER: Ken Hannon

OTHER MDNR PERSONNEL/TITLE:

Pia Capell ES III - HWP

Sean Counihan, ES III - ESP

Brad Swank, ES III - ESP

Shelly Jackson, ES III - ESP

3.0 SITE INFORMATION

Site name Compass Plaza/Positronics Site

County/City: Greene & Webster/Rogersville

Sampling date: 7/27/10 Site Description: Area of TCE well contamination and former electronics plating site.

3.1 Overall Incident Risk/Hazard Analysis

Chemical: Serious Moderate Low Unknown

Physical: Serious Moderate Low Unknown

3.2 Contaminant(s) of Concern: TCE and it's breakdown components.

3.2.1 Physical State: Liquid Solid Sludge Gas/Vapor

Chemical Characteristics: (check all that apply)/

a. carcinogen b. biological c. corrosive d. combustible

e. explosive f. flammable g. volatile h. poison

i. radioactive j. reactive k. other: _____

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3.2.2 Physical Hazards: (check all that apply)

- a. overhead b. below grade c. confined space d. noise
 e. splash f. fire/burn g. puncture h. heat stress
 i. cut j. slip/trip/fall k. cold stress l. electrical
 m. mechanical/heavy equipment n. other: _____

The need for confined space entry by ESP personnel shall be evaluated on a site-by-site basis. A confined space entry permit must be signed by the appropriate Unit or Section Chief prior to ESP employees entering a confined space (29 CFR 1910.146). Confined space entry shall be screened in at least Level B prior to downgrade. Adequate resources must be available and specific planning and tasks determined before confined space entry is initiated.

3.3 Task-Specific Risk Analysis (attach additional sheets as necessary)

Task Description	Chemical Hazards	Physical Hazards	Level of Protection
Water sample collection	a h	e h i j	D
Soil sample collection	a h	d e h i j m	D

4.0 MEDICAL SURVEILLANCE AND PERSONNEL TRAINING REQUIREMENTS

All ESP field personnel participate in a medical monitoring program and are trained at least to the level of "Hazardous Substance Emergency Response-Technician" as required and specified in the department's written health and safety program located in Section 2 of the MDNR-Hazardous Substances Emergency Response Plan (HSERP). The written policy satisfies requirements set out in 29 CFR 1910.120. MDNR ESP's respiratory protection program meets the requirements of 29 CFR 1910.134.

ESP personnel will ascertain as much information as possible regarding health and safety issues associated with the site prior to initial entry. Information shall include chemical and physical hazards as listed above, types and amounts of materials involved, and citizens/areas threatened by the incident.

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5.0 PERSONAL PROTECTIVE EQUIPMENT

ESP shall utilize the Protection Level categories defined in 29 CFR 1910.120, Appendix B, and known as Levels A, B, C, and D. Refer to Section 2 of the MDNR-HSERP for definitions of Protection Levels. ESP personnel shall inspect APRs and SCBAs at least monthly and maintain a record of such to ensure equipment is functional.

Levels of protection shall be reassessed and upgraded as conditions change and information is updated to comply with worker safety while performing site activities.

Action Levels for evacuation of work zone pending reassessment of conditions:

Level D: $O_2 < 19.5\%$ or $> 25\%$; explosive atmosphere $> 10\%$ LEL; organic vapors $>$ background levels; other _____.

Level C: $O_2 < 19.5\%$ or $> 25\%$; explosive atmosphere $> 10\%$ LEL; organic vapors (in breathing zone) > 25 m.u., or 3 times background (whichever is less); other _____.

Level B: Explosive atmosphere $> 10\%$ LEL; unknown organic vapors (in breathing zone) > 500 m.u.; other _____.

Level A: ESP personnel shall evaluate the need for entry on a site-specific basis and may utilize its emergency response contractor for Level A situations which may arise.

6.0 FREQUENCY AND TYPE OF AIR MONITORING/SAMPLING

Instrument	Contaminant of Concern	Sample Location (Area/Source)	Frequency	Odor Threshold/Description
N/A				

7.0 SITE CONTROL MEASURES

7.1 The "Buddy-System": ESP personnel performing any work activities within the exclusion zone shall employ the "buddy-system" at all times, as required and defined in Section 2 of the MDNR-HSERP. The "buddy-system" may not be required while an ESP staff member is observing or providing oversight of cleanup activities performed by a contractor or responsible party.

7.2 Safe work Practices: Refer to Section 2 of the MDNR-HSERP for written safety practices to be followed at all times by ESP personnel while on-site at an incident.

7.3 Site Communications: The use of two-way radios or establishment of hand signals for communications shall be determined prior to entering the work zone and followed by ESP personnel.

7.4 Work Zones: ESP personnel shall ensure work zones are established and be aware of their locations.

8.0 DECONTAMINATION PROCEDURE/SOLUTIONS:

Personnel: Soap/water wash all skin exposed to potentially contaminated media

Equipment: Refer to Equipment decontamination procedures specified in the site specific sampling plan.

Instruments: _____

Decontamination fluids/materials may be to be containerized for proper disposal.

9.0 EMERGENCY INFORMATION:

In the event of an emergency, notify the MDNR Environmental Emergency Response Office at 573/634-2436. The Duty Officer will make the appropriate notifications.

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 SITE HEALTH & SAFETY PLAN
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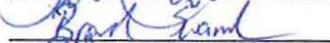
10.0 ADDITIONAL EMERGENCY INFORMATION/NUMBERS:

Hospital: Cox Southern Hospital – 3801 South National Ave., Springfield, MO –417/269-6000
 Location/Specific directions from Site: Refer to attached map

	<u>Name/Location</u>	<u>Telephone Number</u>
Ambulance:	<u>Ozarks Medical Transport</u>	<u>911 or 417/823-0100</u>
Police/Sheriff:	<u>Rogersville Police Department</u>	<u>911 or 417/753-2324</u>
Fire:	<u>Logan Rogersville Fire Protection District</u>	<u>911 or 417/753-4265</u>
Poison Control:		
Cellular Telephones/Other:	<u>Ken Hannon cell phone:</u>	<u>573/644-3217</u>

11.0 SIGNATURES

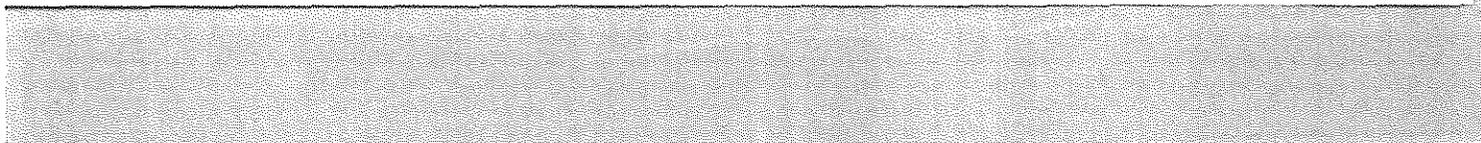
ESP personnel shall certify they have read the plan and addressed any questions regarding worker health and safety by signing and dating below followed by printing their name and title.

<u>Signature</u>	<u>Printed Name/Title</u>	<u>Date</u>	<u>TLD Badge</u>
	<u>Sean Coninick ESII</u>	<u>7/27/10</u>	<u>Y</u>
	<u>Brad Swank ESII</u>	<u>7-27-10</u>	<u>Y</u>
	<u>Shelly Jackson ESIII</u>	<u>7-27-10</u>	<u>N</u>
	<u>Pia Capell ES III</u>	<u>7-27-10</u>	<u>N</u>
	<u>Doug Ferguson EPA OSC</u>	<u>7-27-10</u>	<u>Y</u>



Start address:	S Marshall St, Rogersville, MO 65742
End address:	3801 S National Ave, Springfield, MO 65807
Distance: 12.2 mi (about 15 mins)	
Map data ©2010 Google	

<p>Head south on S Farm Rd 253 toward US-60 W - go 0.3 mi</p>	
<p>Take the 1st right onto US-60 W - go 11.5 mi</p>	



Take the National Ave exit - go 0.3 mi

Turn right at S National Ave Destination will be on the left - go 0.1 mi

Arrive at: 3801 S National Ave, Springfield, MO 65807 -





will be on the left. Take the National Ave exit
3801 S National Ave, Springfield, MO 65807

Take the 1st right onto US-60 W Head south on
Rogersville

Google

lat: 37.12520 lon: 93.125985

Image © 2010 Google
2010 Google
elev: 1339 ft

Eye alt: 13.99 mi

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