GIS REGISTRY INFORMATION

SITE NAME:	Badger Army Ammunition Plant - Tractor Garage USTs		
BRRTS #:	03-57-549161	**FID # (if appropriate):**	
COMMERCE # (if appropriate):	None		
CLOSURE DATE:	01-May-2007		
STREET ADDRESS:	2 Badger Road		
CITY:	Baraboo		
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	X= 542358	Y= 320511	

CONTAMINATED MEDIA: Groundwater [ ] Soil [X] Both [ ]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: [ ] Yes [X] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of most recent deed, including legal description, for all affected properties	No
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	No
County Parcel ID number, *if used for county*, for all affected properties	No
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	NA
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	No
GW: Table of water level elevations, with sampling dates, and free product noted if present	NA
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	NA
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	No
RP certified statement that legal descriptions are complete and accurate	NA
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	NA
Copy of any maintenance plan referenced in the deed restriction.	NA

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

May 1, 2007

Ms. Joan Kenney - Installation Director
Badger Army Ammunition Plant
2 Badger Road
Baraboo, WI 53913-5000

Subject: Site Closure Approval for the BAAP - Tractor Garage USTs Case; Sauk County; BRRTS Number 02-57-001002

Dear Ms. Kenney:

On April 26, 2007, the South Central Region Closure Committee reviewed your request for closure of the case described above for a second time, after denying closure for this site on September 25, 2006. The closure committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

The site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites for remaining contaminated soil. Information that was submitted with the closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm

Please be aware that this case may be reopened, pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

If you have any questions regarding this letter, please contact me at the address listed above or as indicated below.

Sincerely,

Hank Kuehling

Hank Kuehling, P.G.
Remediation & Redevelopment Program Hydrogeologist
608-275-3286
harlan.kuchling@wisconsin.gov

cc: Joel Janssen – SpecPro, Inc.
Laura Olah – CSWAB

03-57-549161

Figure 1
Location of Parcel V and the Tractor Garage (account #6529)

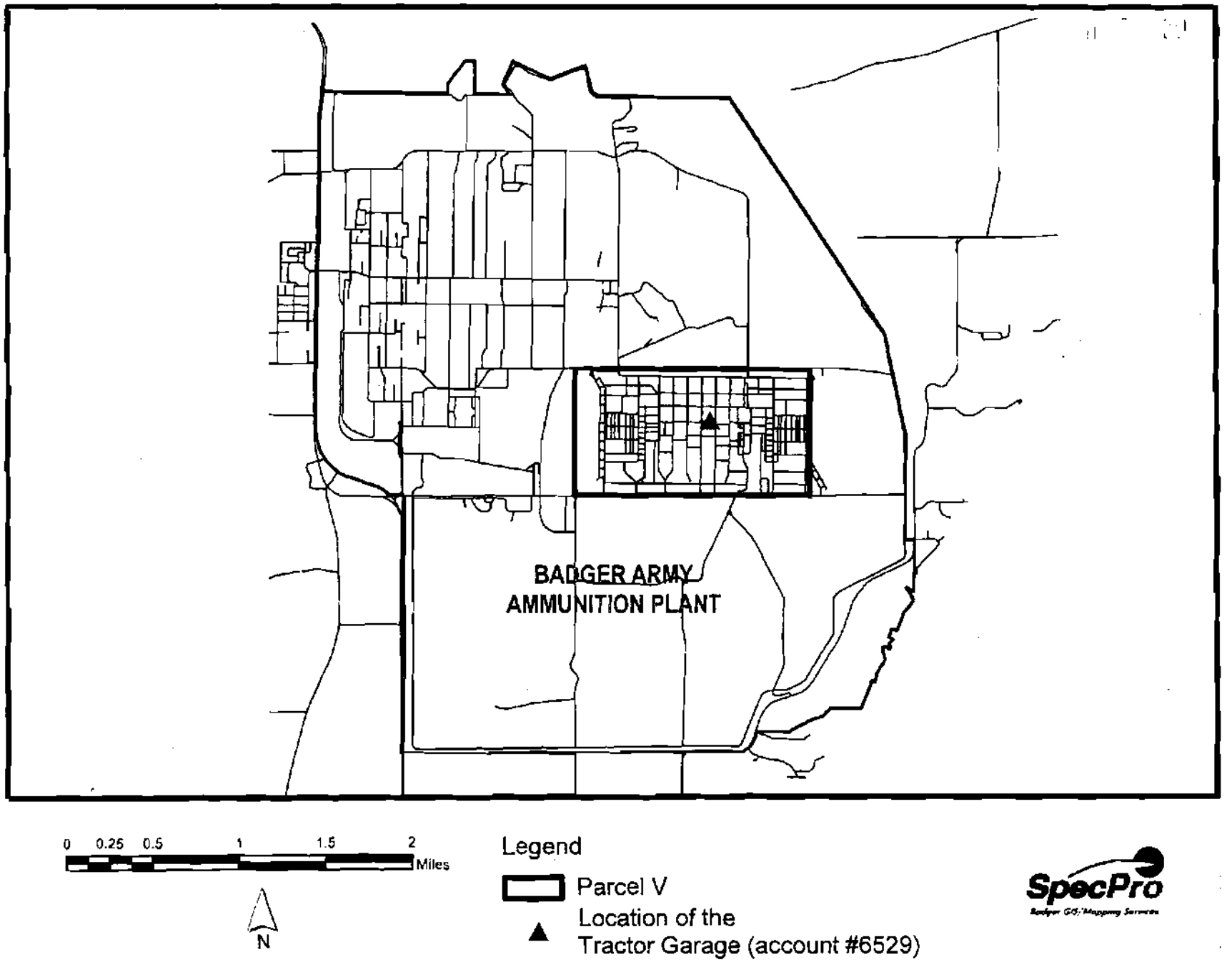
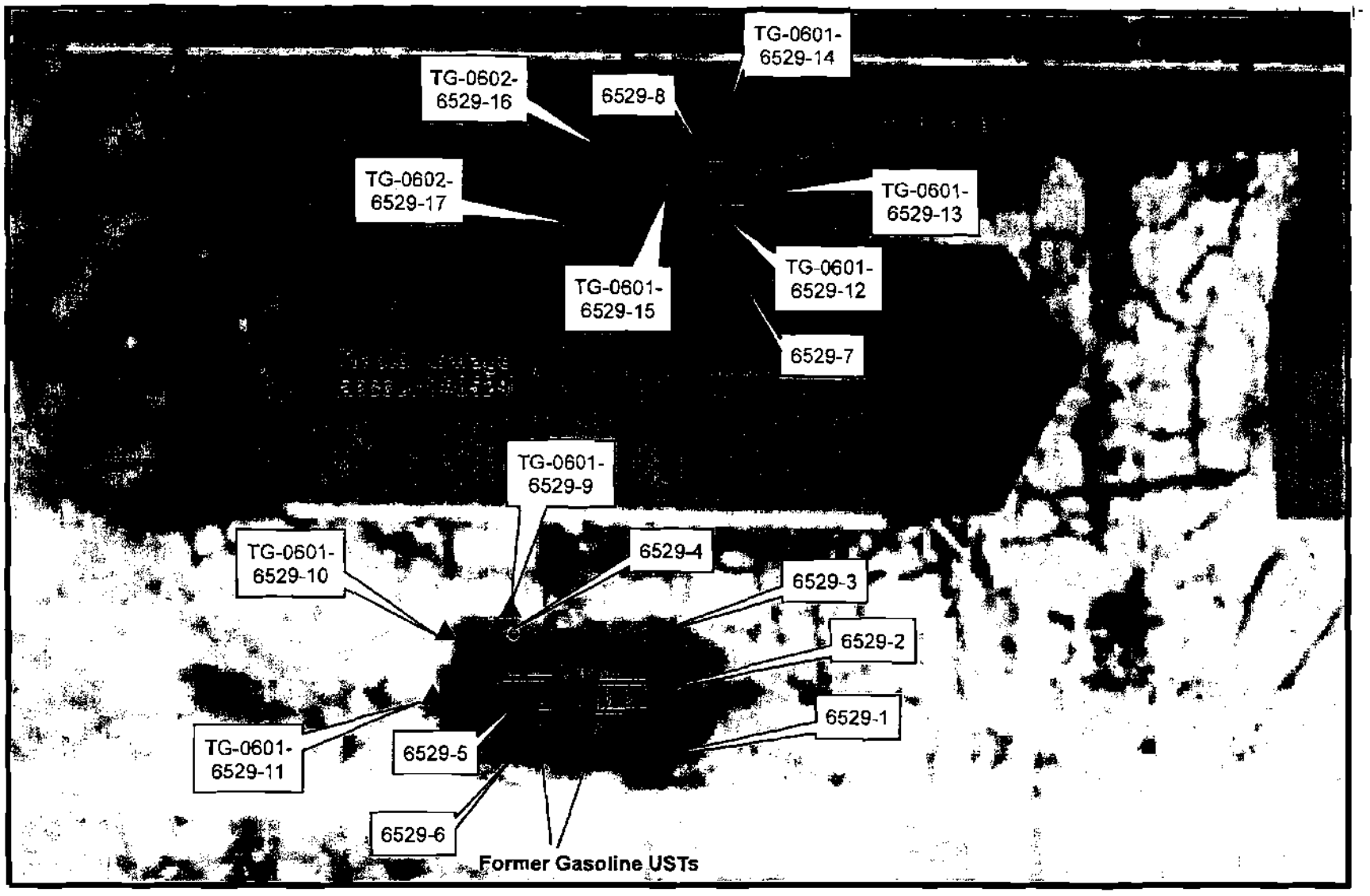


Figure 2
Boring locations at the Tractor Garage (account #6529)



0 5 10 20 30 40 Feet

N

Legend

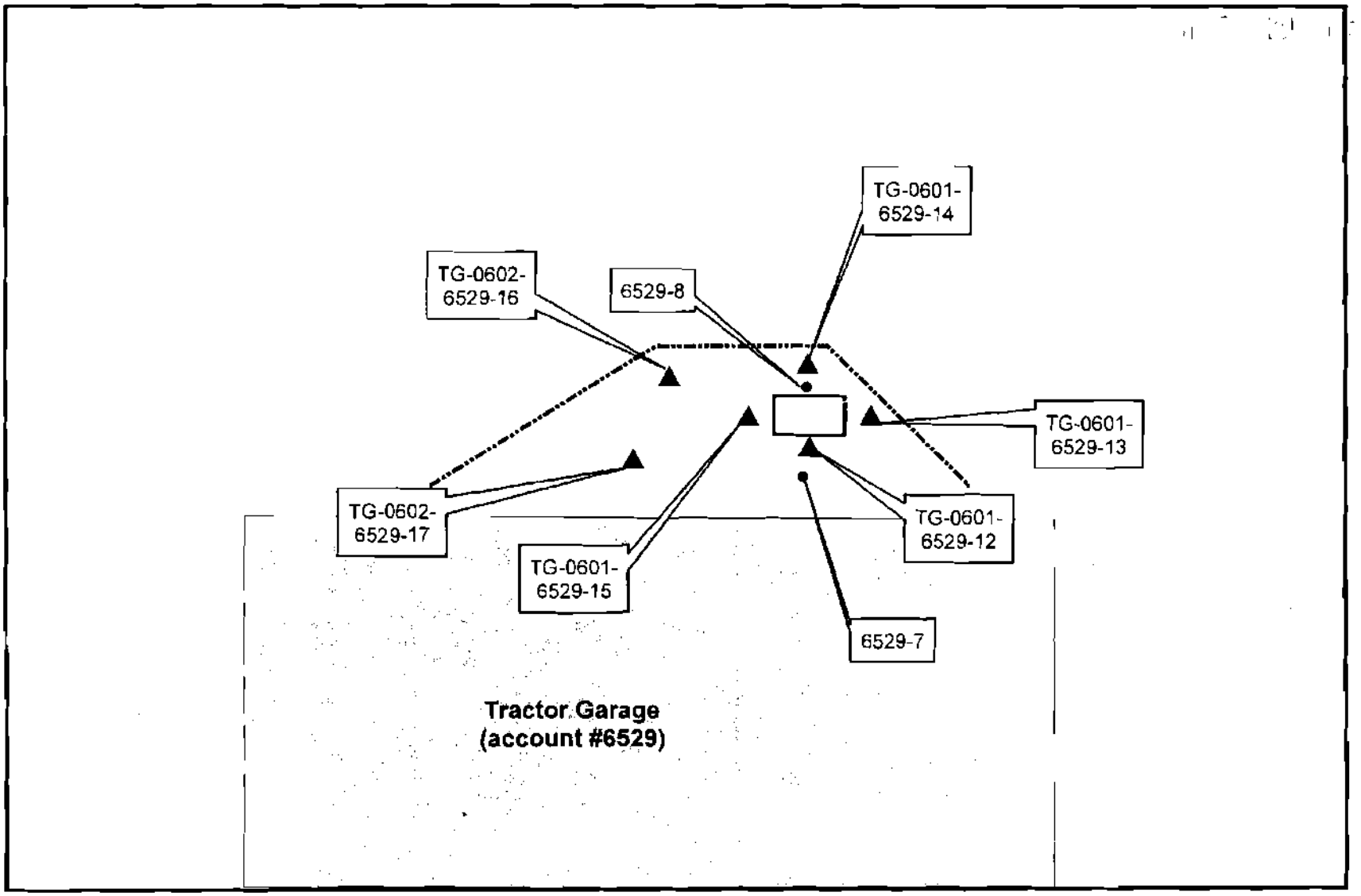
Location of former UST

● Initial Investigation Boring Location

▲ Follow-up Investigation Boring Location

SpecPro
Badger GIS/Mapping Services

Figure 3
Extent of excavation at the Tractor Garage (account #6529)



0 3.75 7.5 15 22.5 30 Feet

N

Legend

- Location of former UST
- Initial Investigation Boring Location
- Follow-up Investigation Boring Location
- Extent of excavation

SpecPro
Badger GIS Mapping Services

Figure 24

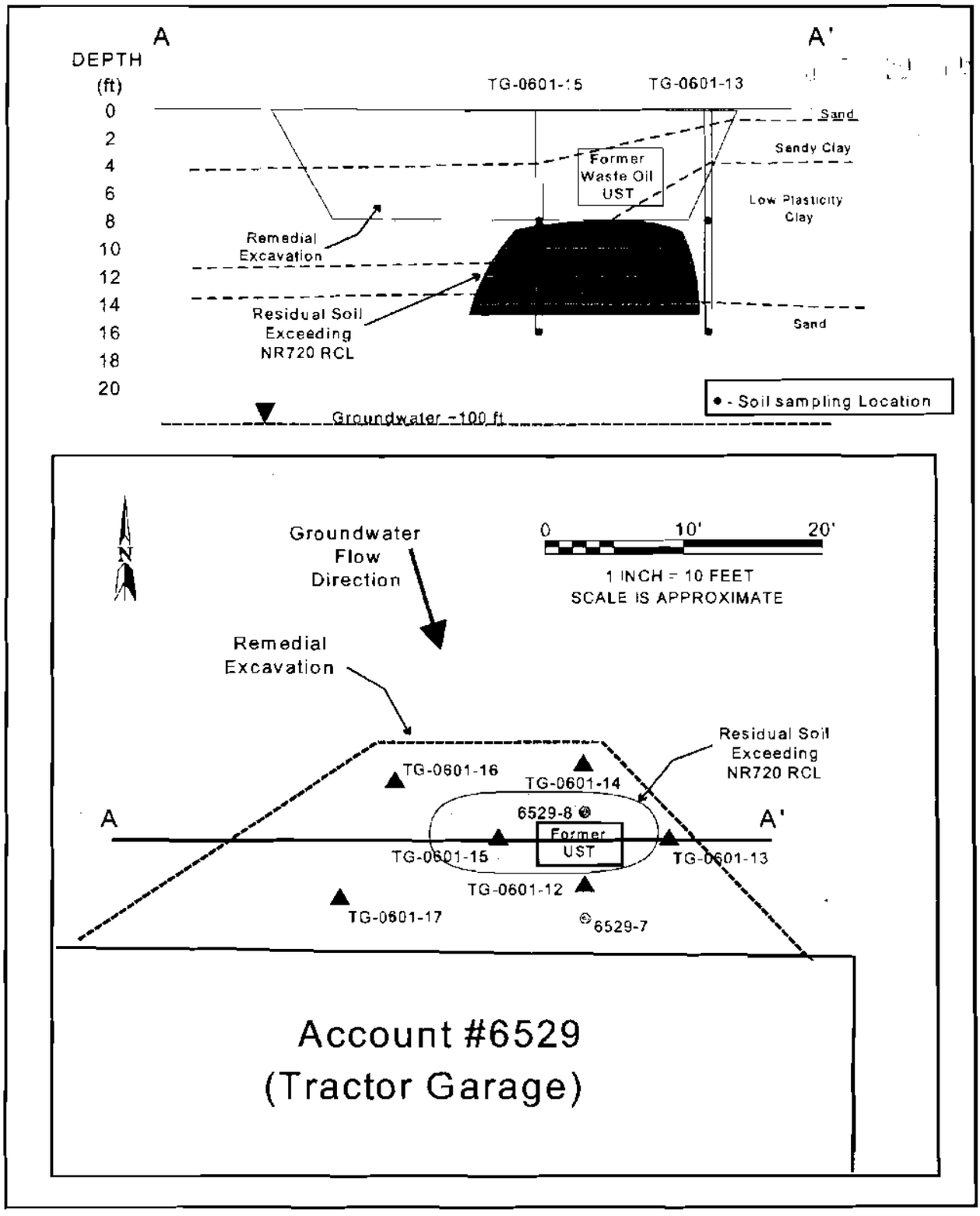
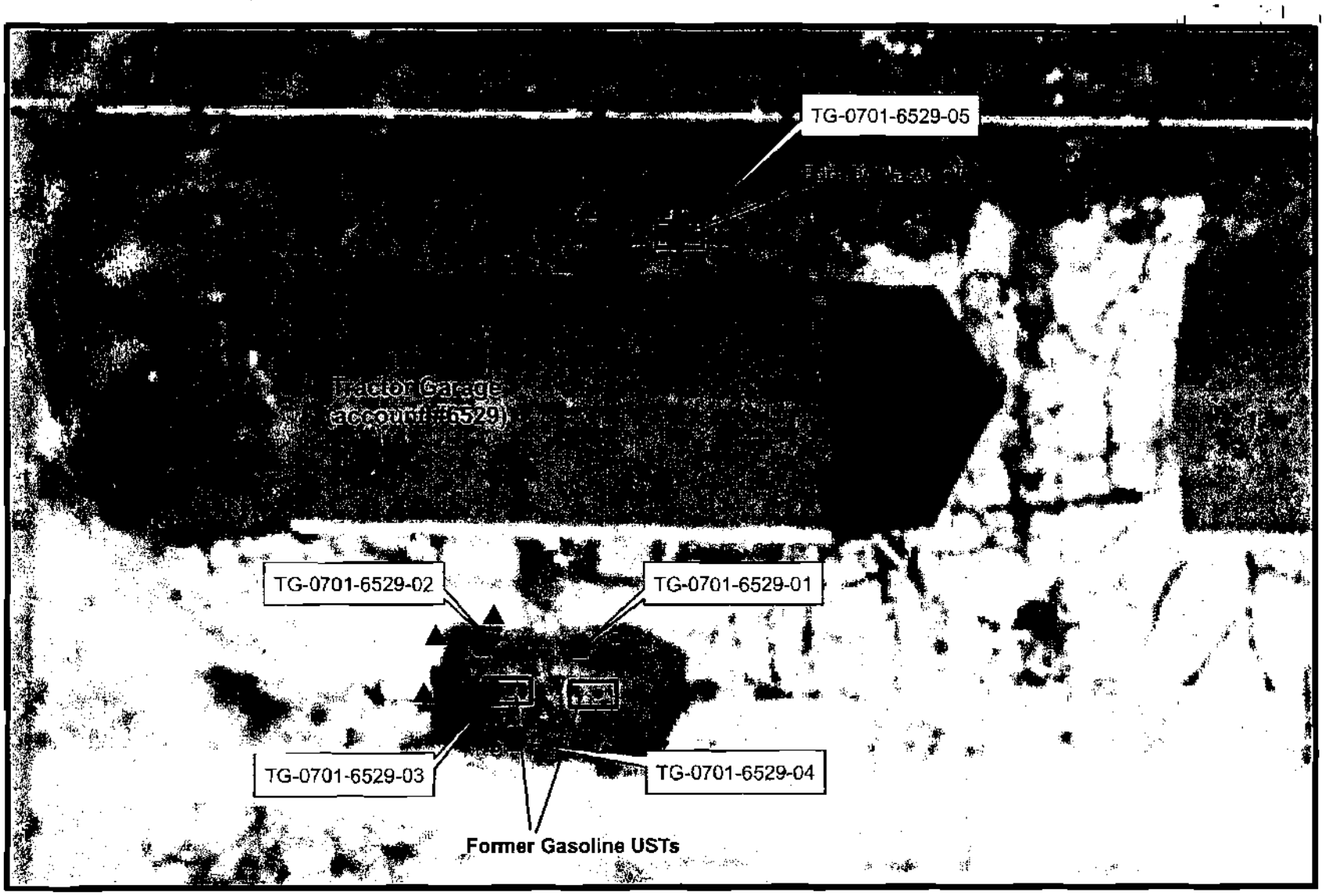

A
A'
DEPTH
(ft)
0
2
4
6
8
10
12
14
16
18
20
TG-0601-15
TG-0601-13
Sand
Sandy Clay
Former
Waste Oil
UST
Low Plasticity
Clay
Remedial
Excavation
Residual Soil
Exceeding
NR720 RCL
Sand
• - Soil sampling Location
Groundwater ~100 ft
N
Groundwater
Flow
Direction
0
10'
20'
1 INCH = 10 FEET
SCALE IS APPROXIMATE
Remedial
Excavation
Residual Soil
Exceeding
NR720 RCL
TG-0601-16
TG-0601-14
6529-8
A
A'
Former
UST
TG-0601-15
TG-0601-13
TG-0601-12
TG-0601-17
6529-7
Account #6529
(Tractor Garage)

Figure 15
Tractor Garage Geoprobe Closure Borings



0 5 10 20 30 40 Feet

N

Legend

- Location of former UST
- Initial Investigation Boring Location
- Follow-up Investigation Boring Location
- Closure Samples

SpecPro

Figure 2C
Tractor Garage Confirmatory Sample Locations

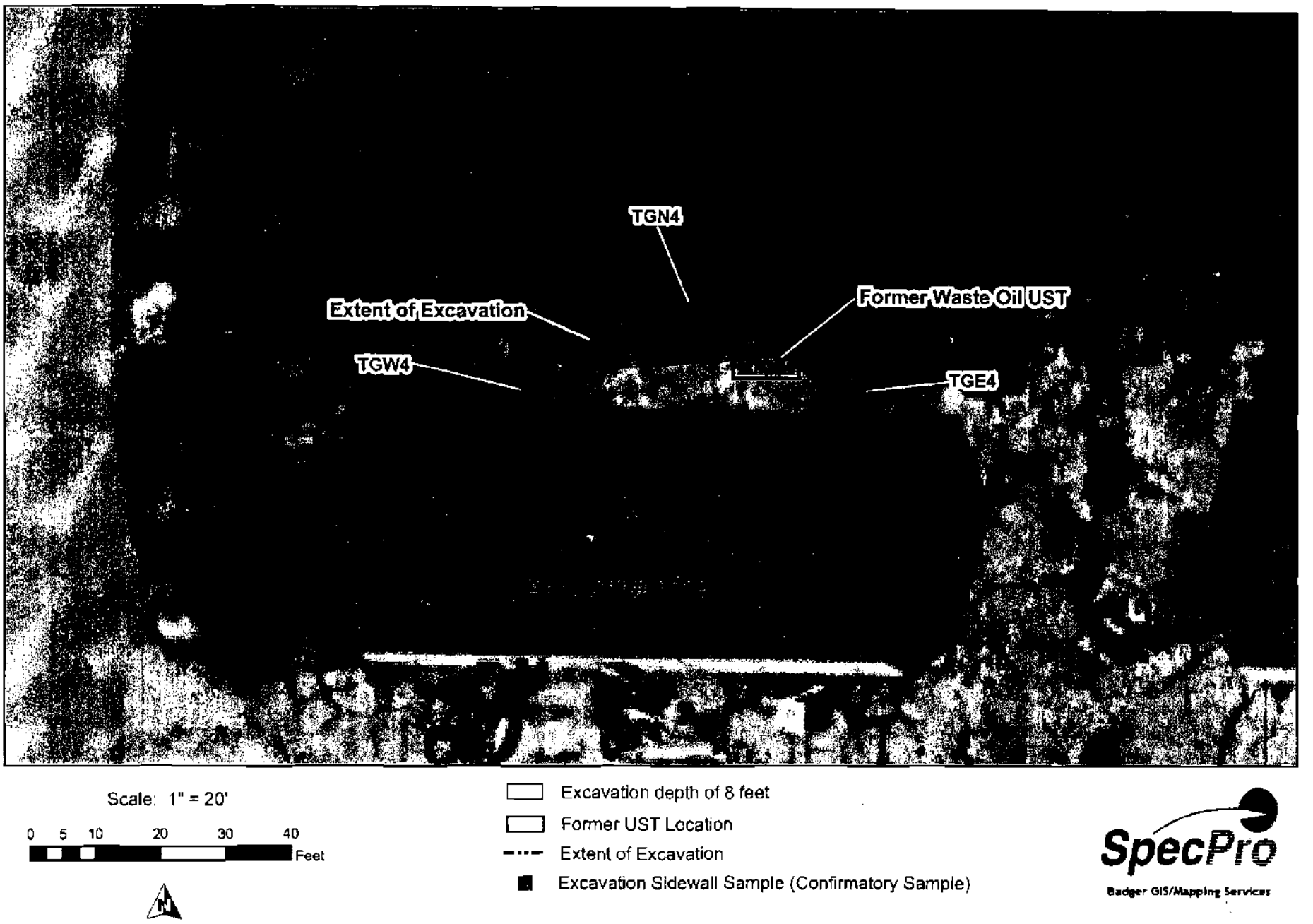


Table 1
Laboratory detections
for samples collected at the gasoline UST south of account #6529.[1]

Investigation Phase	Phase 1														Phase 2							
Boring	6529-1	6529-1	6529-2	6529-2	6529-3	6529-3	6529-4	6529-4	6529-4	6529-4	6529-5	6529-5	6529-6	6529-6	TG-0601-6529-9	TG-0601-6529-9	TG-0601-6529-10	TG-0601-6529-10	TG-0601-6529-11	TG-0601-6529-11	Regulatory Guidance	
Sample Depth (feet)	11	16	11	16	11	16	11.5	12	14	16	11	16	11.5	16	11	16	11	16	11	16	NR 746.06[3]	NR 720.09[4]
Sample Date	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/21/2005	9/26/2005	9/26/2005	4/13/2006	4/13/2006	4/13/2006	4/13/2006	4/13/2006	4/13/2006	---	---
1,1,2,2-Tetrachloroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.0097	N/A	N/A	0.47	N/A	0.025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
1,1,2-Trichloroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.015	N/A	N/A	<0.0078	N/A	0.019	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	7.4	2.9	<0.025	<0.025	6.1	<0.025	0.067	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	83	---
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	5.9	1.1	<0.025	<0.025	8.4	<0.025	0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	11	---
Acetone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.54	N/A	N/A	<1.9	N/A	0.58	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
Benzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.035	<0.0061	<0.025	<0.025	<0.032	<0.025	<0.0061	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	8.5	*0.0655*
Bromomethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.027	N/A	N/A	<0.14	N/A	0.085	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
Chloroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019	N/A	N/A	<0.10	N/A	0.053	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	3.1	<0.0085	<0.025	<0.025	<0.045	<0.025	<0.0085	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	4.6	*2.9*
Hexachlorobutadiene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.016	N/A	N/A	0.48[2]	N/A	<0.016	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
Isopropylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.21	N/A	N/A	1.3	N/A	<0.013	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
Methylene chloride	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.035[2]	N/A	N/A	<0.16	N/A	0.046[2]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
Xylenes (total)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	4.5	<0.023	<0.025	<0.025	<0.12	<0.025	<0.023	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	42	4.1
n-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.34	N/A	N/A	3	N/A	0.022	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
n-Propylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.43	N/A	N/A	4.1	N/A	0.0063	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
p-Isopropyltoluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.13	N/A	N/A	1.1	N/A	<0.016	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
sec-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.077	N/A	N/A	0.83	N/A	<0.0085	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
tert-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.0097	N/A	N/A	0.073	N/A	<0.0097	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---	---
Toluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.035	<0.0085	<0.025	<0.025	<0.045	<0.025	<0.0085	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
Methyl tert-butyl ether	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.080	<0.0073	<0.025	<0.025	<0.039	<0.025	<0.0073	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
Gasoline Range Organics	<1.5	<1.2	<1.2	<1.5	<1.6	<1.4	*650*	N/A	<1.4	<1.4	N/A	<1.2	N/A	<1.2	<1.3	<1.2	<1.2	<1.3	<1.3	<1.3	---	*100*

[1] All results are expressed as mg/kg.
[2] Compound was detected in an associated blank
[3] Wi NR 746.06, Table 1, lists soil screening levels for indicators of residual petroleum product in soil pores. Limits listed are for non-industrial land use.
[4] NR 720.09 Table 1, lists residual contaminant levels based on protection of groundwater. Limits listed are for non-industrial land use.
N/A denotes parameters not analyzed.
Bolded text denotes an NR 746.06 exceedence and *italicized* text denotes an NR 720.09 exceedence.

Table 2
Laboratory detections
for samples collected at the waste oil UST north of account #6529. [1]

Investigation Phase	Phase 1				Phase 2																
Boring	6529-7	6529-7	6529-8	6529-8	TG-0601-6529-12	TG-0601-6529-12	TG-0601-6529-13	TG-0601-6529-13	TG-0601-6529-14	TG-0601-6529-14	TG-0601-6529-15	TG-0601-6529-15	TG-0602-6529-16	TG-0602-6529-16	TG-0602-6529-16	TG-0602-6529-17	TG-0602-6529-17	TG-0602-6529-17	Regulatory Guidance		
Sample Depth (feet)	2	2 (Dup)	8	18	4	14	8	16	8	16	8	16	2	8	14	2	8	14	NR 746.06 [3]	NR 720.09 [4]	NR 720.11 [5]
Sample Collection Date	9/26/2005	9/26/2005	9/26/2005	9/26/2005	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	5/31/2006	5/31/2006	5/31/2006	5/31/2006	5/31/2006	5/31/2006	—	—	—
VOCs																					
Acetone	0.45	0.67	<3.9	0.49	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
1,1,2,2-Tetrachloroethane	<0.013	<0.013	0.78	<0.0091	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	<0.11	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
1,2,4-Trimethylbenzene	<0.012	<0.012	**120**	<0.0091	1.84 [2]	0.08 [2]	<0.07	<0.05	<0.06	0.05 [2]	16.8 [2]	0.09 [2]	N/A	N/A	N/A	N/A	N/A	N/A	**83**	—	—
1,3,5-Trimethylbenzene	<0.009	<0.0087	**42**	<0.0091	3.33	0.09	<0.07	<0.05	<0.06	<0.05	10.1	0.06	N/A	N/A	N/A	N/A	N/A	N/A	**11**	—	—
4-Chlorotoluene	<0.011	<0.011	<0.0054	<0.011	<0.06	<0.05	<0.07	<0.05	<0.06	0.05	<0.11	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Bromodichloromethane	<0.016	<0.015	<0.18	<0.016	<0.06	<0.06	<0.07	<0.04	<0.06	<0.08	0.39	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Bromomethane	<0.025	0.097	<0.028	<0.025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Chloroethane	<0.018	0.023	<0.021	<0.018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Chloromethane	<0.012	0.019	<0.14	<0.012	<0.07	<0.06	<0.08	<0.06	<0.07	<0.06	<0.13	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Ethylbenzene	<0.0079	<0.0076	0.49	<0.0079	<0.06	0.05	<0.07	<0.05	<0.06	<0.05	1.22	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	**4.6**	*2.9*	—
Isopropylbenzene	<0.012	<0.012	1.5	<0.012	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	0.38	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Methylene Chloride	0.048 [2]	0.098 [2]	1.2 [2]	0.062 [2]	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	<0.11	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Naphthalene*	<0.013	<0.013	**5.6**	<0.014	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	2.5	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	**2.7**	—	—
n-Butylbenzene	<0.009	<0.0087	**11**	<0.0091	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	2.37	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
n-Propylbenzene	<0.0056	<0.0054	4.6	<0.0057	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	0.57	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
p-Isopropyltoluene	<0.015	<0.014	7	<0.015	0.37	<0.05	<0.07	<0.05	<0.06	<0.05	2.43	0.06	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
sec-Butylbenzene	<0.0079	<0.0076	4.1	<0.0079	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	0.56	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
tert-Butylbenzene	<0.009	<0.0087	0.8	<0.0091	0.14	<0.05	<0.07	<0.05	<0.06	<0.05	0.57	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Toluene	<0.0079	<0.0076	<0.091	<0.0079	<0.06	<0.05	<0.07	<0.05	<0.06	<0.05	0.74	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	**38**	1.5	—
Trichlorofluoromethane	<0.07	0.047	<0.13	<0.011	<0.04	<0.03	<0.04	<0.03	<0.04	<0.03	<0.07	<0.03	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
m,p-Xylene	<0.021	<0.021	*3.9*	<0.022	<0.16	<0.14	<0.19	<0.14	<0.16	<0.15	*11.9*	<0.13	N/A	N/A	N/A	N/A	N/A	N/A	**42**	*4.1***	—
o-Xylene	<0.013	<0.013	*3*	<0.014	<0.06	<0.08	<0.11	<0.08	<0.10	<0.09	*8.20*	<0.08	N/A	N/A	N/A	N/A	N/A	N/A	**42**	*4.1***	—
BNAs/PAHs																					
2-Methylnaphthalene	N/A	N/A	N/A	N/A	<0.071	<0.12	<0.0079	<0.0061	<0.0078	<0.0069	1.2	<0.0061	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Anthracene	N/A	N/A	N/A	N/A	<0.012	<0.020	<0.0013	<0.0010	<0.0013	<0.0011	0.39	<0.0010	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Benzo(a)pyrene	N/A	N/A	N/A	N/A	<0.012	<0.020	<0.0013	<0.0010	<0.0013	<0.0011	0.31	<0.0010	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	0.13	<0.020	<0.0013	<0.0010	<0.0013	<0.0011	0.35	<0.0010	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Chrysene	N/A	N/A	N/A	N/A	0.13	<0.020	<0.0013	<0.0010	<0.0013	<0.0011	0.51	<0.0010	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Fluoranthene	N/A	N/A	N/A	N/A	<0.012	<0.020	<0.0013	<0.0010	<0.0013	<0.0011	1.8	<0.0010	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Fluorene	N/A	N/A	N/A	N/A	<0.024	<0.041	<0.0026	<0.0020	<0.0026	<0.0023	0.33	<0.0020	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Phenanthrene	N/A	N/A	N/A	N/A	<0.012	<0.020	<0.0013	<0.0010	<0.0013	<0.0011	0.5	<0.0010	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Pyrene	N/A	N/A	N/A	N/A	0.53	<0.041	<0.0026	<0.0020	<0.0026	<0.0023	4.4	<0.0020	N/A	N/A	N/A	N/A	N/A	N/A	—	—	—
Other Parameters																					
Diesel Range Organics	8.3	<2.2	*16000*	<2.3	*1000*	<2.0	<2.6	<2.0	<2.6	<2.3	*4200*	<2.0	<2.2	<2.7	<2.6	<2.2	<2.4	<2.4	—	*100*	—
Total Lead	35.3	<11.4	32.5	<10.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	—	—	*50*
Total Cadmium	<0.355	0.437	0.876	<0.318	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	—	—	*8*

[1] All results are expressed as mg/kg.

[2] Compound was detected in an associated blank.

[3] WI NR 746.06, Table 1, lists soil screening levels for indicators of residual petroleum product in soil pores. Limits listed are for non-industrial land use.

[4] NR 720.09, Table 1, lists residual contaminant levels based on protection of groundwater. Limits listed are for non-industrial land use.

[5] NR 720.11, Table 2, lists Residual Contamination Levels based on human health risk for direct contact. Limits listed are for non-industrial land use.

*Compound was analyzed using method 8260B (VOC) and method EPA 8310 (PAH) - the highest result has been listed for detections and the lowest detection limit for non-detects.

** Value is for total Xylenes.

N/A denotes parameters not analyzed.

Bolded text denotes an NR 746.06 exceedence and *italicized* text denotes an NR 720.09 or NR 720.11 exceedence.

Table 3
Laboratory results
for samples collected at soil excavation north of account #6529.[1, 2]

Analyte	Sample		
	TGW4	TGE4	TGN4
1,2,4,5-Tetrachlorobenzene	<0.041	<0.044	<0.043
1,2,4-Trichlorobenzene	<0.054	<0.058	<0.058
1,2-Dichlorobenzene	<0.037	<0.040	<0.040
1,3-Dichlorobenzene	<0.042	<0.045	<0.045
1,4-Dichlorobenzene	<0.044	<0.047	<0.047
2,4,5-Trichlorophenol	<0.047	<0.051	<0.050
2,4,6-Trichlorophenol	<0.034	<0.037	<0.036
2,4-Dichlorophenol	<0.028	<0.030	<0.029
2,4-Dimethylphenol	<0.019	<0.020	<0.020
2,4-Dinitrophenol	<0.044	<0.047	<0.047
2,4-Dinitrotoluene	<0.080	<0.086	<0.086
2,6-Dichlorophenol	<0.021	<0.022	<0.022
2,6-Dinitrotoluene	<0.096	<0.10	<0.10
2-Chloronapthalene	<0.018	<0.019	<0.019
2-Chlorophenol	<0.066	<0.071	<0.070
2-Methylnapthalene	<0.028	<0.030	<0.029
2-Methylphenol	<0.088	<0.095	<0.094
2-Nitroaniline	<0.068	<0.073	<0.073
2-Nitrophenol	<0.026	<0.028	<0.028
3 & 4-Methylphenol	<0.064	<0.069	<0.068
3,3'-Dichlorobenzidine	<0.063	<0.067	<0.067
3-Nitroaniline	<0.053	<0.057	<0.056
4,6-Dinitro-2-methylphenol	<0.030	<0.032	<0.032
4-Bromophenyl-phenyl ether	<0.030	<0.032	<0.032
4-Chloro-3-methylphenol	<0.065	<0.070	<0.069
4-Chloroaniline	<0.024	<0.026	<0.026
4-Chlorophenyl-phenyl ether	<0.078	<0.084	<0.083
4-Nitroaniline	<0.074	<0.079	<0.079
4-Nitrophenol	<0.13	<0.13	<0.13
Acenaphthene	<0.034	<0.037	<0.036
Acenaphthylene	<0.034	<0.037	<0.036
Acetophenone	<0.031	<0.033	<0.033
Aniline	<0.033	<0.035	<0.035
Anthracene	<0.026	<0.028	<0.028
Azobenzene & 1,2-Diphenylhydra	<0.075	<0.080	<0.080
Benzo(a)anthracene	<0.037	<0.040	<0.040
Benzo(a)pyrene	<0.053	<0.057	<0.056
Benzo(b)fluoranthene	<0.044	<0.047	<0.047
Benzo(g,h,i)perylene	<0.037	<0.040	<0.040
Benzo(k)fluoranthene	<0.047	<0.051	<0.050
Benzyl alcohol	<0.056	<0.060	<0.060
Bis(2-chloroethoxy)methane	<0.019	<0.020	<0.020
Bis(2-chloroethyl)ether	<0.032	<0.034	<0.034
Bis(2-chloroisopropyl)ether	<0.033	<0.035	<0.035
Bis(2ethylhexyl)phthalate	<0.046	<0.050	<0.049
Butylbenzylphthalate	<0.035	<0.038	<0.038
Carbazole	<0.041	<0.044	<0.043
Chrysene	<0.031	<0.033	<0.033
Di-n-butylphthalate	<0.045	<0.048	<0.048
Di-n-octylphthalate	<0.041	<0.044	<0.043

Table 3
Laboratory results
for samples collected at soil excavation north of account #6529.[1, 2]

Analyte	Sample		
	TGW4	TGE4	TGN4
Dibenzo(a,h)anthracene	<0.043	<0.046	<0.046
Dibenzofuran	<0.058	<0.063	<0.062
Diethylphthalate	<0.086	<0.092	<0.092
Dimethylphthalate	<0.086	<0.092	<0.092
Fluoranthene	<0.035	<0.038	<0.038
Fluorene	<0.072	<0.077	<0.076
Hexachlorobenzene	<0.023	<0.025	<0.025
Hexachlorobutadiene	<0.058	<0.063	<0.062
Hexachlorocyclopentadiene	<0.035	<0.038	<0.038
Hexachloroethane	<0.040	<0.043	<0.042
Hexachloropropene	<0.075	<0.080	<0.080
Ideno(1,2,3-cd)pyrene	<0.044	<0.047	<0.047
Isophorone	<0.018	<0.019	<0.019
N-Nitroso-di-n-propylamine	<0.039	<0.041	<0.041
N-Nitrosodimethylamine	<0.053	<0.057	<0.056
N-Nitrosodiphenylamine & Diphn	<0.059	<0.064	<0.063
N-Nitrosopyrrolidine	<0.040	<0.043	<0.042
Naphthalene	<0.043	<0.046	<0.046
Nitrobenzene	<0.029	<0.031	<0.031
Pentachlorophenol	<0.028	<0.030	<0.029
Phenanthrene	<0.019	<0.020	<0.020
Phenol	<0.069	<0.074	<0.074
Pyrene	<0.031	<0.033	<0.033
Pyridine	<0.036	<0.039	<0.039

[1] All samples were collected at a depth of four feet on June 22, 2006.
[2] All results are expressed as mg/kg.

SpecPro, Inc.

Memo

Date: June 27, 2006

Re: Impacted soil removed from area by building # 6529 and deposited into landfill #3118

Impacted soil from building 6529 deposited into landfill #3118

This is to note the fact that the impacted soil was placed into landfill #3118 on June 15, 2006. Attached to this form are the lab results compiled by CT Laboratories.

There was a total of six(6) truckloads of the soil total. This is approximately 60 cubic yards.

DEPARTMENT OF THE ARMY
BADGER ARMY AMMUNITION PLANT
2 BADGER ROAD
BARABOO, WISCONSIN 53913-5000

March 26, 2007

SUBJECT: Tractor Garage Underground Storage Tanks (USTs) Remediation Site Closeout Request; BRRTS Number 02-57-001002

RECEIVED
MAR 29 2007
DNR
SOUTH CENTRAL REGION

Mr. Harlan Kuehling, P.G.
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

Dear Mr. Kuehling:

In response to the October 11, 2006 "Site Closure Denied for the BAAP – Tractor Garage USTs" letter we have performed the required work to obtain site closure.

As requested, additional soil samples were collected from the former west gasoline UST and the waste oil UST areas. A Geoprobe® was utilized to collect five samples from a depth of 16 feet at the Tractor Garage UST site. Figure 1 - "Tractor Garage Geoprobe Closure Borings" shows the sample locations.

Four samples (TG-0701-6529-01 through TG-0701-6529-04) were collected from the former gasoline UST area and analyzed for volatile organic compounds (VOCs). In addition, one sample (TG-0701-6529-05) was collected from the former waste oil UST area and analyzed for VOCs and polyaromatic hydrocarbons.

The laboratory results show no exceedances of NR 720, Wisconsin Administrative Code, residual contaminant levels. It should be noted, chloromethane was detected at levels below the limit of quantitation in the samples as well as in the trip blank and method blank. The only additional detect was of di-n-butyl-phthalate in sample TG-0701-6529-05 at a concentration of 0.04 micrograms per kilogram (mg/Kg), which is only slightly above the 0.03 mg/Kg limit of detection.

The previously collected confirmatory sidewall samples (TGW4, TGE4, and TGN4) were collected from the UST excavation sidewall (four feet below grade) in accordance with Wisconsin Department of Natural Resources guidelines. Figure 2 – "Tractor Garage Confirmatory Sample Locations" shows the sample locations. The soil boring logs, abandonment forms, and laboratory results are enclosed.

Based on the results of the additional work performed and supplemental information provided, we request closure for the subject site. Feel free to contact us with any questions at 608-643-3361.

Sincerely,

Joan M. Kenney

Joan M. Kenney
Installation Director

Enclosure
Copy furn: Tom Bennwitz, WDNR
Robert Egan, USEPA
Kathleen Romalia, Shaw Environmental, Inc.
Jerry Eykholt, RAB Consultant
Rick Walgenbach, Dairy Forage Research Center
Henry Nehls-Lowe, Wisconsin Department of Health and Family Services
Larry Garvin, Ho-Chunk Nation
Samantha Greendeer, Ho-Chunk Nation
Scott Doig, U.S. Department of the Interior Bureau of Indian Affairs
Ralph Jesse, U.S. Department of Agriculture
SpecPro, Inc.