

GIS REGISTRY INFORMATION

SITE NAME:	National Guard Armory		
BRRTS #:	03-05-337884	FID #	
COMMERCE # (if appropriate):	54303-4408-00	(if appropriate):	
CLOSURE DATE:	12/2/03		
STREET ADDRESS:	800 N Military Ave		
CITY:	Green Bay		
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	X = 674715	Y = 453527	
CONTAMINATED MEDIA:	Groundwater <input type="checkbox"/>	Soil <input checked="" type="checkbox"/>	Both <input type="checkbox"/>
OFF-SOURCE GW CONTAMINATION >ES:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>
• IF YES, STREET ADDRESS:			
• GPS COORDINATES (meters in WTM91 projection):	X =	Y =	
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• IF YES, STREET ADDRESS 1:			
• GPS COORDINATES (meters in WTM91 projection):	X =	Y =	
CONTAMINATION IN RIGHT OF WAY:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<u>DOCUMENTS NEEDED</u>			
Closure Letter, and any conditional closure letter issued			x
Copy of most recent deed, including legal description, for all affected properties			x
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties			x
County Parcel ID number, if used for county, for all affected properties (See plat map)			x
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.			na
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)			na
RP certified statement that legal descriptions are complete and accurate			x
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



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
<http://www.commerce.state.wi.us>
<http://www.wisconsin.gov>
Jim Doyle, Governor
Cory L. Nettles, Secretary

December 17, 2003

Mr. James McMillan
Wisconsin Department of Administration
PO Box 7866
Madison, WI 53714-0587

RE: **Final Closure**

Commerce # 54303-4408-00 WDNR BRRTS # 03-05-337884
National Guard Armory, 800 N. Military Avenue, Green Bay

Dear Mr. McMillan:

The Wisconsin Department of Commerce (Commerce) has received the item required as the condition for closure for the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert H. Klauk'.

Robert H. Klauk, PG
Hydrogeologist
Site Review Section

cc: Kris K. Baran – Envirogen, Inc.
Case File



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Jim Doyle, Governor
Cory L. Nettles, Secretary

December 2, 2003

Mr. James McMillan
Wisconsin Department of Administration
PO Box 7866
Madison, WI 53707-7866

RE: **Conditional Case Closure**

Commerce # 54303-4408-00 **WDNR BRRTS # 03-05-337884**
National Guard Armory, 800 N. Military Avenue, Green Bay

Dear Mr. McMillan:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by Envirogen, Inc. for the site referenced above. It is understood that residual soil contamination remains on-site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

The following condition must be satisfied to obtain final closure:

- Documentation of abandonment (WDNR Abandonment Form 3300-5B) of monitoring well MW-1.

This letter serves as your written notice of "no further action." Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert H. Klauk'.

Robert H. Klauk, PG
Hydrogeologist
Site Review Section

cc: Kris K. Baran – Envirogen, Inc.
Case File

THIS INDENTURE, Made by the City of Green Bay, a municipal corporation, Grantor of Brown County, Wisconsin, hereby quit claims to the State of Wisconsin (Adjutant General's Office), grantee, for the sum of One Dollar (\$1.00), and no other consideration, the following tract of land in Brown County, State of Wisconsin:

All that part of Lot 85 and Lot 92 of Fort Howard Military Reserve in the City of Green Bay, Wisconsin, described as follows: Commencing at the northwesterly corner of said Lot 85; thence easterly on the northerly line of said Lot 85 a distance of 87 feet to the easterly line of Military Avenue (also U.S. Highway 41); thence southerly and parallel to the westerly line of said Lot 85 a distance of 70 feet to the starting point; thence continuing southerly and parallel to the westerly line of Lot 85 and Lot 92 a distance of 705 feet; thence easterly and parallel to the northerly line of Lot 85 a distance of 555 feet; thence northeasterly to a point on a line lying 852 feet easterly of and parallel to the westerly line of Lot 85 and 490 feet southerly of the northerly line of Lot 85; thence northerly and parallel to the westerly line of Lot 85 a distance of 420 feet; thence westerly on a line lying 70 feet southerly of and parallel to the northerly line of Lot 85 a distance of 765 feet to the starting point.

IN WITNESS WHEREOF, the said City of Green Bay, a municipal corporation, has caused these presents to be signed by Roman P. Denissen, its Mayor, and countersigned by Clifford A. Centen, its Clerk, at Green Bay, Wisconsin, and its corporate seal to be hereunto affixed this _____ day of _____, 1961.

Signed and Sealed in the Presence of:

CITY OF GREEN BAY

Ruth Zirbel
Ruth Zirbel

Roman P. Denissen
Roman P. Denissen, Mayor

Countersigned:

June E. Edwards
June E. Edwards

Clifford A. Centen
Clifford A. Centen, Clerk

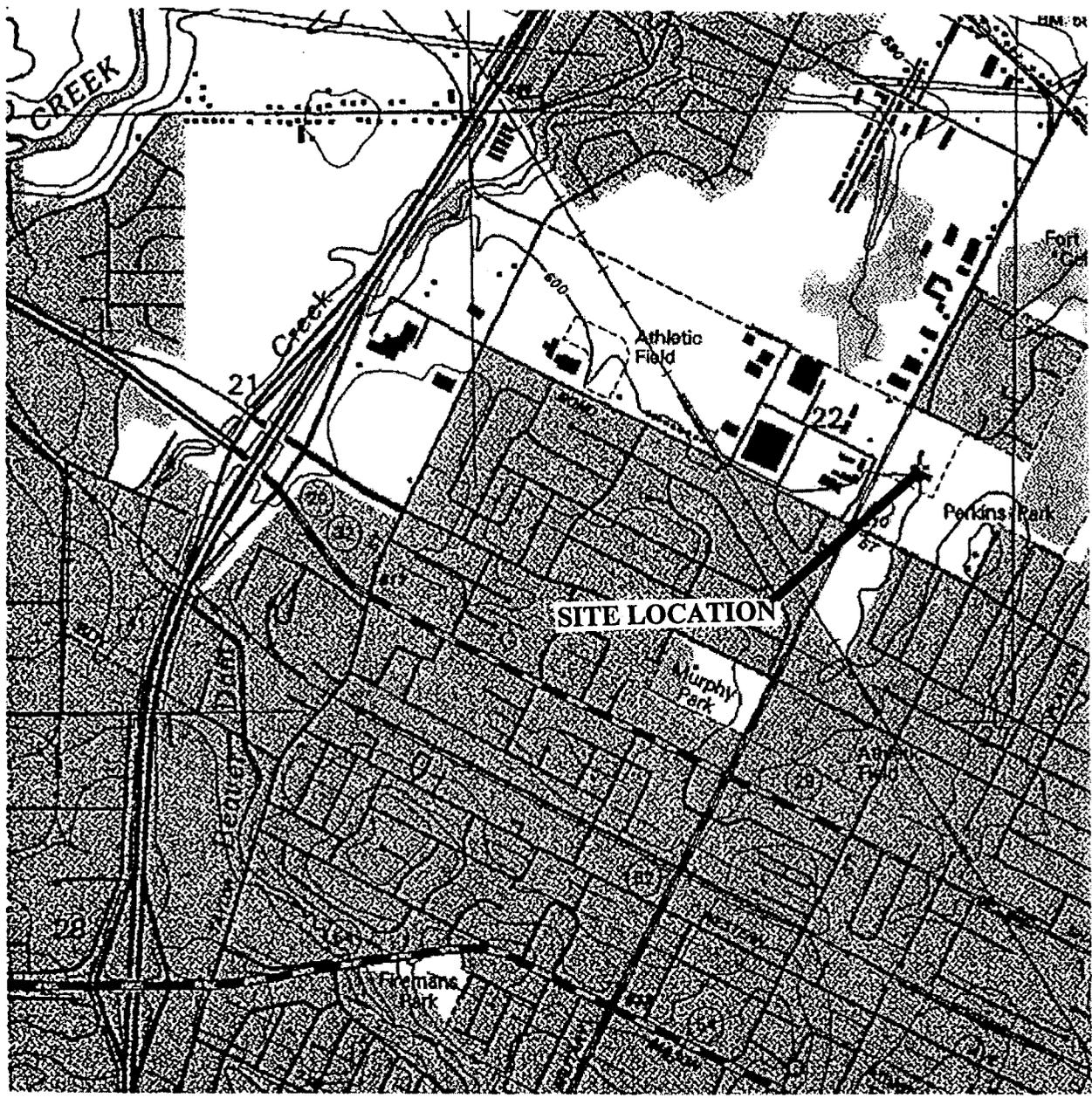
STATE OF WISCONSIN)
(SS.
BROWN COUNTY)

Personally came before me this 5th day of December, 1961, Roman P. Denissen, its Mayor, and Clifford A. Centen, Clerk of the above named municipal corporation, to me known to be such Mayor and Clerk of said municipal corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said municipal corporation by its authority.

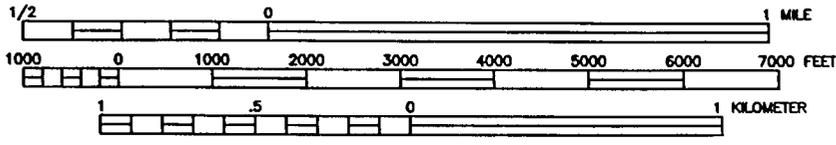
REGISTER'S OFFICE, Brown Co., Wis.
Received for record on _____ day
of _____ A. D. 1961
at _____ and recorded in
Vol. 373 of _____
Harold F. Lutz
Notary of _____

Florence Delany
Florence Delany
Notary Public, Brown County, Wis.
My Commission Expires June 3
A.D., 1962

Drafted by: Clarence W. Nier



SCALE
1:24000



CONTOUR INTERVAL 10 FEET

(USGS 1992)
GREEN BAY WEST QUADRANGLE



LOCATION



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvella Lane
Green Bay, Wisconsin 54304

SITE LOCATION
MAP

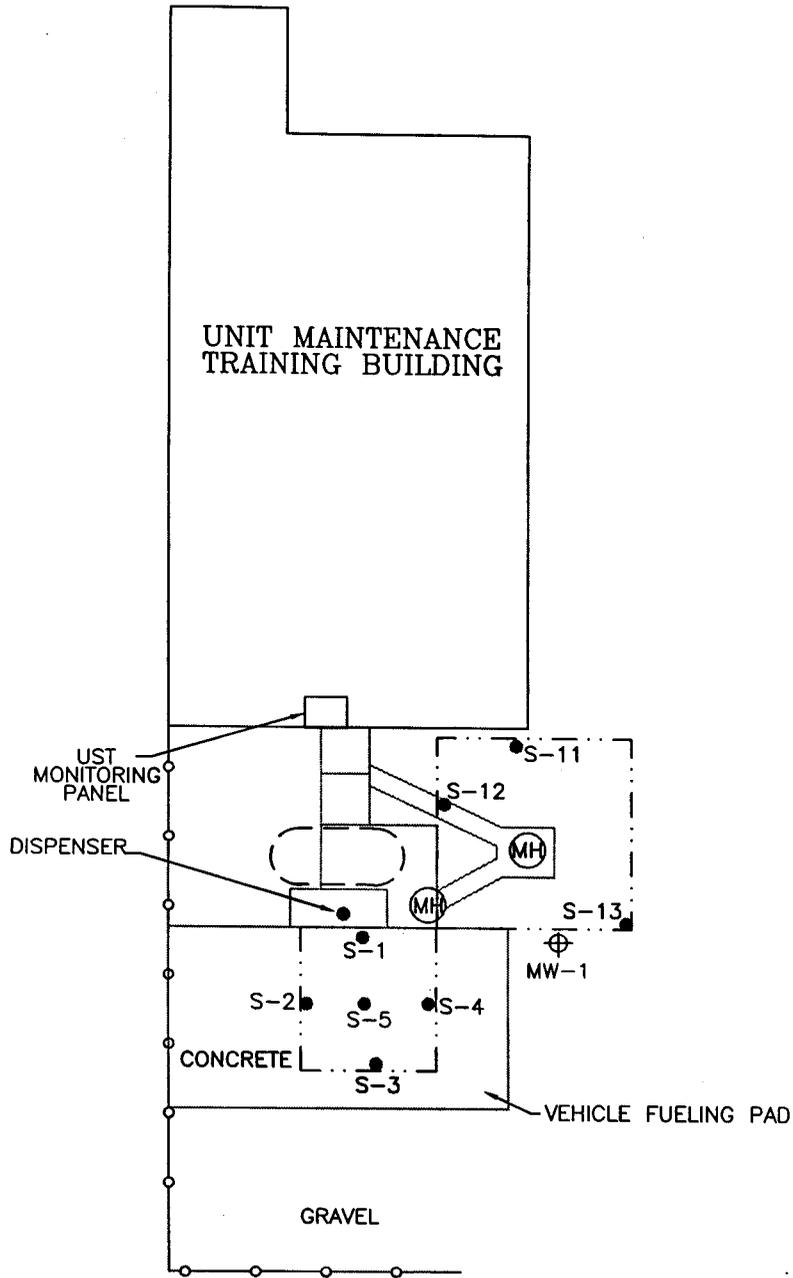
WI NATIONAL GUARD SITE
GREEN BAY, WISCONSIN

FIGURE NO.
1

ENGINEER	DATE
ENGINEER	DATE
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
DRAWN BY:	020080.1
DRAWING NO.	

LEGEND

- FENCELINE
- ⊙(MH) MANHOLE
- - - - LIMITS OF EXCAVATION
- SOIL SAMPLE LOCATION
- ⊕ MONITORING WELL



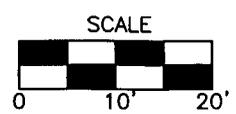
ENGINEER	DATE
ENGINEER	DATE
ENGINEER	DATE
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
04/25/02	
KFT	
DRAWN BY:	
020080.2	
DRAWING NO.	



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvella Lane
Green Bay, Wisconsin 54304



SITE PLAN VIEW

WI NATIONAL GUARD SITE
GREEN BAY, WISCONSIN

FIGURE NO.

2

TABLE 1
Soil Sample PAH Laboratory Analytical Results
Wisconsin National Guard Property
Green Bay, Wisconsin
12/12/02

Parameter	MW-1 (4-6')	WDNR Suggested Generic RCLs for PAH Compounds in Soil in ppm	
		Groundwater Pathway	Direct Contact Pathway
DRO	<9.2	NS	NS
Acenaphthene	0.12	38	900
Acenaphthylene	<0.044	0.7	18
Anthracene	0.31	3,000	5,000
Benzo(a)anthracene	<i>0.91</i>	17	0.088
Benzo(a)pyrene	<i>0.9</i>	48	0.0088
Benzo(b)fluoranthene	<i>0.9</i>	360	0.088
Benzo(ghi)perylene	0.55	6800	1.8
Benzo(k)fluoranthene	<i>0.88</i>	870	0.88
Chrysene	1	37	8.8
Dibenzo(a,h)anthracene	<i>0.15</i>	38	0.0088
Fluoranthene	2.3	500	600
Fluorene	0.16	100	600
Indeno(1,2,3-cd)pyrene	<i>0.53</i>	680	0.088
1-Methylnaphthalene	0.020 Q	23	1,100
2-Methylnaphthalene	0.029 Q	20	600
Naphthalene	0.035	0.4	20
Phenanthrene	1.4	1.8	18
Pyrene	1.7	8,700	500

Notes: Results in ppm unless otherwise noted

- italics* values exceed nonindustrial direct contact pathway
- bls: Below land surface
- WDNR: Wisconsin Department of Natural Resources
- RCL: Residual contaminant level
- PAH: Polynuclear aromatic hydrocarbons
- "Q": Flag indicates analyte detected between limit of detection and limit of quantification.

Checked by: _____
 Approved by: _____

TABLE 1
Soil Sample PAH/DRO Laboratory Analytical Results
Wisconsin Army National Guard

4/9/02, 4/10/02 & 4/11/02

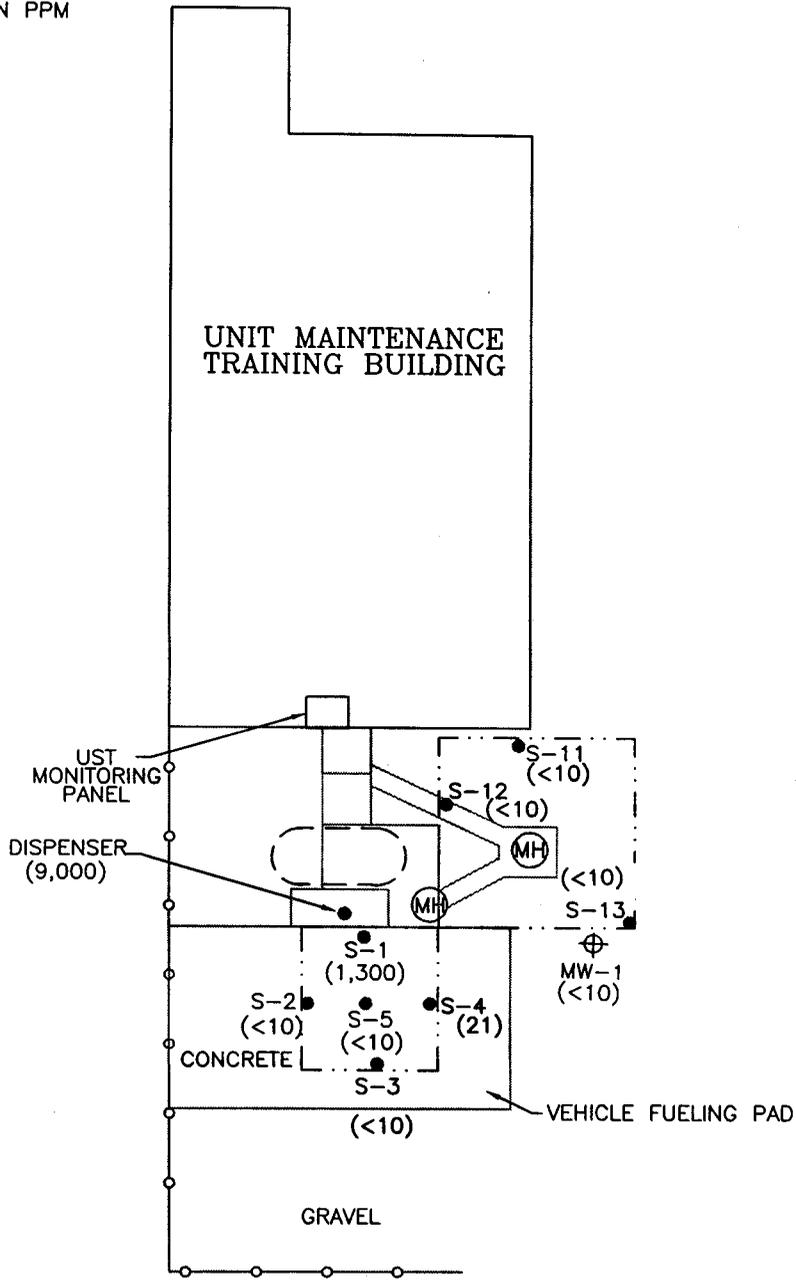
Parameter feet (bls)	Dispenser 3.0 ft	S-1 NW 4.0 ft	S-2 WW 4.0 ft	S-3 SW 4.0 ft	S-4 EW 4.0 ft	S-5 bttm 6.0 ft	S-11 4.0 ft	S-12 4.0 ft	S-13 4.0 ft	WDNR Suggested Generic RCLs for PAH Compounds in Soil	
										Groundwater Pathway	Direct Contact Pathway
Acenaphthene	NA	<210	<41	<41	<41	<210	NA	NA	NA	38,000	90,000
Acenaphthylene	NA	<210	<42	<42	<42	<42	NA	NA	NA	700	18,000
Anthracene	NA	500J	<34	<34	<34	<34	NA	NA	NA	3,000,000	5,000,000
Benzo(a)anthracene	NA	<270	<54	<54	<54	<54	NA	NA	NA	17,000	88
Benzo(a)pyrene	NA	<300	<59	<59	<59	<59	NA	NA	NA	48,000	8.8
Benzo(b)fluoranthene	NA	<210	<42	<42	<42	<42	NA	NA	NA	360,000	88
Benzo(ghi)perylene	NA	<410	<82	<82	<82	<82	NA	NA	NA	6,800,000	1,800
Benzo(k)fluoranthene	NA	<400	<79	<79	<79	<79	NA	NA	NA	870,000	880
Chrysene	NA	<190	<38	<38	<38	<38	NA	NA	NA	37,000	8,800
Dibenzo(a,h)anthracene	NA	<380	<76	<76	<76	<76	NA	NA	NA	38,000	8.8
Fluoranthene	NA	<210	<42	<42	<42	<42	NA	NA	NA	500,000	600,000
Fluorene	NA	660	<41	<41	<41	<41	NA	NA	NA	100,000	600,000
Indeno(1,2,3-cd)pyrene	NA	<350	<69	<69	<69	<69	NA	NA	NA	680,000	88
1-Methylnaphthalene	NA	1,900	<37	<37	39J	<37	NA	NA	NA	23,000	1,100,000
2-Methylnaphthalene	NA	1,900	<72	<72	<72	<72	NA	NA	NA	20,000	600,000
Naphthalene	NA	260J	<40	<40	<40	<40	NA	NA	NA	400	20,000
Phenanthrene	NA	1,500	<20	<20	60J	<20	NA	NA	NA	1,800	18,000
Pyrene	NA	580J	<58	<58	<58	<58	NA	NA	NA	8,700,000	500,000
DRO (ppm)	9,000	1,300	<10	<10	21	<10	<10	<10	<10	*250	

Notes: Results in ppb unless otherwise noted.
 * Indicates NR 720 Generic Soil Clean-up Standards apply.
 bls: below land surface
 J: Analyte detected between limit of detection (LOD) & limit of quantitation (LOQ).
 PAH: Polynuclear aromatic hydrocarbons
 WDNR: Wisconsin Department of Natural Resources
 RCL: Residual contaminant level
 DRO: Diesel range organics
 NA: Not analyzed

Checked by: _____
 Approved by: _____

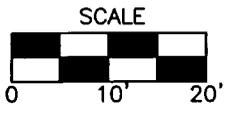
LEGEND

- FENCELINE
- ⊙(MH) MANHOLE
- - - LIMITS OF EXCAVATION
- SOIL SAMPLE LOCATION
- () DRO CONCENTRATION PPM
- ⊕ MONITORING WELL



ENGINEER	DATE
ENGINEER	DATE
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
KFT	04/25/02
DRAWN BY:	
DRAWING NO.	020080.3


ENVIROGEN
 COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
 790 Marvelle Lane
 Green Bay, Wisconsin 54304



DRO DISTRIBUTION

WI NATIONAL GUARD SITE
GREEN BAY, WISCONSIN

FIGURE NO.
3

CERTIFICATE OF LEGAL DESCRIPTION

I hereby certify on behalf of the Wisconsin Department of Administration, the responsible party, the legal description provided below is a true and accurate description of the property located at 800 North Military Avenue, City of Green Bay, Brown County, Wisconsin.

All that part of Lot 85 and Lot 92 of Fort Howard Military Reserve in the City of Green Bay, Wisconsin, described as follows: Commencing at the northwesterly corner of said Lot 85; thence easterly on the northerly line of said Lot 85 a distance of 87 feet to the easterly line of Military Avenue (also US Highway 41); thence southerly and parallel to the westerly line of said Lot 85 a distance of 70 feet to the starting point; thence continuing southerly and parallel to the westerly line of Lot 85 and Lot 92 a distance of 705 feet; thence easterly and parallel to the northerly line of Lot 85 a distance of 555 feet; thence northeasterly to a point on a line lying 852 feet easterly of and parallel to the westerly line of Lot 85 and 490 feet southerly of the northerly line of Lot 85; thence northerly and parallel to the westerly line of Lot 85 a distance of 420 feet; thence westerly on a line lying 70 feet southerly of and parallel to the northerly line of Lot 85 a distance of 765 feet to the starting point.



Signature

11/25/03

Date

GEOGRAPHIC POSTIONING

The Geographic Position of the contaminated site boundary based upon the WTM91 Interactive Map is 674715, 453527.