

Current Projects Using AgroRemed/VaporRemed

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February 15, 2021

DeeAar Holdings, LLC

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Abandoned Gas Station in Mays Landing, NJ



Site location



Figure: Site: An Abandoned Gas Station

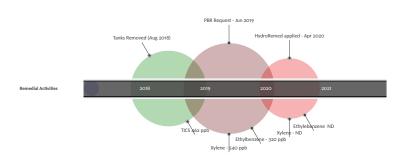
Background

- 2 x 8000 gallon UST
 1 x 1000 gallon kerosene UST
 2 x 3000 gallon leaded gasoline
- 1 x 2000 gallon leaded gasoline UST
- The gas station has been abandoned for over ten (10) years.
- At the time of cleanup, the team could arrive at an estimated gas tanks.
- Tanks were removed in 2018.
- Contamination baselines were established in 2019.
- HydroRemed was added to site in April 2020.
- The hydrocarbon contamination levels have been non-detect (ND) for two samples.
- Secondary contamination has been detected and is being addressed.

Current State: The monitoring for levels of secondary contamination is continuing.

Mays Landing - Remediation Timeline contd.





Contaminated Gas Station in Antrim, NH



Site location



Figure: Figure: Sitemap of monitoring wells

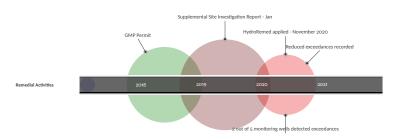
Background

- The site is a former retail gasoline and fueling facility, reportedly since 1970s;
- In 1988, several underground storage tanks were removed.
- Previous remedial efforts at the site were conducted by prior consultants and included the use of an in-situ submerged oxygen curtain (ISOC) in 2002 and bio-augmentation via the addition of live bacterial cultures in 2004 to remediate residual petroleum contaminant levels in groundwater at the site.
- Our group acquired the property in July 2018;
- The project is currently 70 % complete. There are exceedances recorded near two monitoring wells;
- Groundwater from MW-101 contained concentrations of 11 VOCs and 3 PAHs, including concentrations of benzene (32 parts per billion [ppb]) and naphthalene (160 ppb) that exceeded the New Hampshire Ambient Groundwater Quality Standards (AGQS);
- Groundwater from MW-102 contained concentrations of eight VOCs and 3 PAHs, none of which exceeded the AGQS; and
- * Details are in the attached report.

Current State: Active. We are reaching out to the DES to discuss our protocol to address the remaining 30% of contamination.

Antrim NH - Remediation Timeline contd.





About DeeAar Holdings, LLC



Our group specializes in bioremediation of contaminated properties such as,

- abandoned gas stations;
- and properties contaminated with TCE/PCE.

We strive to keep the costs of cleanup within a narrow range to realize value to our clients.



► - Dinkar Ganti, Lead Developer, DeeAar Holdings, LLC.



Appendix



		SAMPLE ID:	TMW-1 L1851996-01			
		LAR ID:				
		COLLECTION DATE:	12/17/2018			
		SAMPLE DEPTH				
		SAMPLE MATROC	WATER			
	Т —	N21-PL (PQL)				
ANALYTE	CAS	(497)	Conc	Q	RL	MDI
MICROEXTRACTABLES BY GC						
VOLATILE ORGANICS BY GCIMS						
Detzene	71-63-2	1 1	ND		0.6	0.1
Diverse	109-69-3	1	NO.		0.75	0.2
Ethybeszene	100-41-4	2	NO		0.6	0.1
Mediyi set buyi ether	1636-06-6	1	NO		1	0.1
Xylene (Tittal)	1330-20-7	2	ND		1	0.30
cis-1,2-Dichloroethene	156-59-2	1	0.26	- 3	0.6	0.1
Acidone	67-66-1	10	2.5	,	5	1.5
Carbon-disuffide	76-16-0	1	ND		- 6	0.3
7 Butterone	79-93-2	2	NO		- 5	1.9
VOLATILE ORGANICS BY GCIMS-TIC						
fotal TIC Compounds						
DASEINEUTRAL EXTRACTABLES BY						
Scenaphthene	10-32-9	10	ND		2	0.6
Saphthalene	N1-20-3	2	12	,	- 2	0.6
Est2-ethyltesytytetuisee	\$17-81-7	ì	2.4	J	- 2	1.5
Fluorene	86-73-7	- 1	ND		2	
Phenasthrene	85-01-6		ND		2	0.30
Diberzoluran	132-66-9		ND		2	0.5
2-Methylmaphthalene	91-57-6		ND		- 2	0.4
Carbazole	86-76-6		ND	_	2	0.6
BASEINEUTRAL EXTRACTABLES BY	GEMS-WESTE	OROUGH LAB-TIC				
Total TIC Compounds			162	J	0	Ö
BASEINEUTRAL EXTRACTABLES BY						
Berzojijantracene	96-55-3	0.1	0.1		0.1	0.00
Ветго(и)ругите	\$0-32-6	0.1	0.09	J	0.1	0.00
Bergotofluoranthene	205-99-2	0.2	0.19		0.1	
Betzojkjfuoranthene	207-08-9	0.3	0.08	J	0.1	0.00
Diservoja fijariniscene	\$3-70-2			- 1		
indeno(1,2,3-cd)pyrene	193-39-6	0.2	0.09	- 3	0.1	0.00

Sight Walkup Drive, Westborough, MA 01581-1019 509-999-5220 (Fax) 509-999-5032 800-524-5220 www.alphalab.com

Figure: Concentration Levels, ML : Dec 2018

Appendix - Contd.



				SAMPLE ID:
				LABID
				COLLECTION DATE:
				SAMPLE DEPTH
				SAMPLE MATRIX
		NJ-GWEA	N2-INTOW	NJ-GWI-PL
MALYTE	CAS	(1991)	(Feet)	(491)
OLATILE ORGANICS BY GOMS		1901	1961	
Inchese	71-63-2	1		1
tybecome	100-61-6	700		2
ylenes, Total	1330-20-7	1000		2
Cesone	67-66-1	6000		10
sograpyberzene	99-62-8	700		1
yolshexane	110-62-7			1
Aethyl cyclohexane	109-97-2			1
OLATILE ORGANICS BY GOMS-TIC		_		
AOLATILE ORGANICS BY GOMS-TIC		_		
		_		- 1
ndane	000896-11-7			
Lagitidhalene Jirknown Aromatic	000091-20-2	-		2
Jrknown Aromatic Jrknown Benzene		_		1
Introde Bergene	00000346-1	_		
	00000349-1	_		-
Arknown Benzene slandi, Trimethil-	001066-40-6			- i -
Arknown Benzene		_		<u> </u>
ixel TiC Compounds	_	Some		-
ASSINGUTRAL EXTRACTABLES BY C	AMS, WESTRO	OLIGHTAD		
isohthalene	69-20-3	200		-
lig2-ettythey/jphthalate	117-65-7	200		1
ASENEUTRAL EXTRACTABLES BY C		OUICÚL AD	THE CONTRACT	-
Jrknown Alkane	CHAP WESTER	OUGH LA	-	- 1
triamen Alizana				1
Arknown Alkane				1 1
Jokopun Alkane				1
Jokopura Bengene				1
Jrknown Aldehyde				1
Jokopura Bengene				1
				1
Jrkrown Bergene				1
Jirknown Alkane				1
Anknown				1
Joknown				1
Arkrown				- 1
Anknown Benzene				1
Jrknown Alkane		-		-
Anknown		-		1
dane	000896-11-7			
triknown Benzene		-		1
trknown Benzene drybenzene	000000-41-4	-		1
rkrown Alkane	000000-41-4	_		
	_	_		
Anknown Phenol		_		1

new albump o

Figure: Concentration Levels, ML : Jun 2019

Appendix - Contd.



		SAMPLE ID:		MW-1		
		LAS ID:	L2009415-65 SGR2020 WATER			
		COLLECTION DATE:				
		SAMPLE DEPTH:				
		SAMPLE MATROC				
		N3-GWIA				
MALYTE	CAS	(Fg4)	Corc	Q RL	MDL	
OLATILE ORGANICS BY GOMS	96-12-8	0.02	ND	2.5	0.35	
2-Déramo-3-Chicopropane A-Novane	173,91,1	0.00	ND ND	2.5	60	
2-Disronoethane	109-93-4	0.03	ND:	200	0.19	
tethylene chloride	75-09-2	3		2.5	0.68	
1-Dichiologicana	75-35-3	50	100	0.75		
Nauton abor seactoride	0746-1	70	500	0.75	0.22	
	56-23-5 79-87-5	1	ND MD	8.5	0.13	
2-Dichloropropane Bromochloromethane	120-09-1				0.14	
1.2 Trichloroethane	79-00-5	1 1	ND ND	0.6	0.15	
E-2-11-Linux decision	177,164		AD MD	0.75	0.14	
machiprochess Ration Stra	127-18-6	100	ND ND	2.0	0.18	
Charlesane	75-69-4	2000	ND	2.5	0.16	
2-Dichloroethane	117-06-2	2	ND	0.5	0.13	
1,1-Trichloroethane	71-65-6	30	ND	0.9	0.16	
ramodichloromethane	75-27-4		NO.	0.5	0.19	
ane 1,3-Dichloropropene	10061-02-6		ND.	9.6	0.16	
s-1,3-Ochloopropene 3-Dichoopropene, Tutal	10061-01-5		100	2.0	0.14	
profession and a second	75757		MS	7	0.15	
1.2.5 Same Historiana	79.36.5	-	MS	n's	617	
NCS00	1242.2		MO	0.6	0.17	
Sunne	109-99-2	600	ND:	9.79	0.2	
tybeczene	200-61-6	700	ND:	0.5	0.17	
iscontiane			NO.	2.5		
		33				
ryl charge	75-05-6	1	ND MO	6.2	0.00	
Sizoethane - Activo ethana	75-00-3 FC-9C-4	,	ND MO	1 05	0.13	
1-Dichlopethene	156-60-6	200	ND ND	0.5	0.17	
ictionethese	79-01-6	1 1	ND ND	0.5	0.18	
A Contractor	95-60-1	600				
2-Eschloroberzene 3-Eschloroberzene		600	ND ND	25	0.18	
5-Dichloroberzene	150-56-7	75	ND	2.5	0.19	
ethyl set bubyl ether	1630-00-6	70	ND	- 1	0.17	
is-Xylene	179601-23-1		ND.	1	0.33	
Xylana	96-47-6		ND:	1	0.39	
lenes, Total 112 Octoberania	1330-20-7	2000	ND MD	105	0.33	
t-1,2-Octoroethene	139-39-2	70	NO MS	0.5	0.19	
Vision	100-02-6	100	MS	1	0.36	
Chlorodifivoromethane	75-71-8	1000	ND	-	0.24	
presone	67461	6000	6.1	-	1.5	
ation disulfide	75-05-0	700	ND:		0.3	
Suranone	79-92-2	200	102	- 6	1.9	
Methyl-2-gentarone Historia	10910-1		ND ND	-	0.42	
HALLION CONTROL CONTRO	75,67.5	- 60	ND NO	- 1	0.52	
concentrations of the concentration of the concentr	78-97-5	200	ND MO	2.5	0.15	
opropyberizene 2.3 frichlanderizene	87-61-6	/00	ND ND	2.5	0.23	
2,5 frichiorobetzene 2,6 frichiorobetzene	170,00,1	-	ND ND	2.5	0.22	
ROY ACROSS	79-70-9	7000	ND		0.23	
	110-92-7		ND	20	0.27	

Figure: Concentration Levels, ML: Dec 2020

Appendix - Contd.





Figure: Snapshot of the report submitted in June 2020, AN

We are presenting a high-level overview. Details are available for review.

