

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

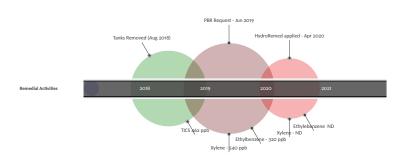
2 x 3000 gallon leaded gasoline

- 1 x 2000 gallon leaded gasoline UST 1 x 1000 gallon kerosene UST
- 2 x 8000 gallon 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

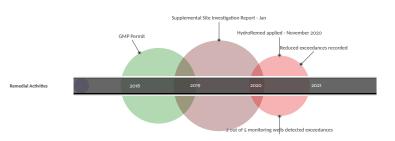
Background

- 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 (SOC) 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.





Appendix



		SAMPLE ID:	TMW-1			
		LABID	L1851896-01			
		COLLECTION DATE:	12/17/2018			
		SAMPLE DEPTH				
		SAMPLE MATRICE	WATER			
		N31-PL (PQL)				
ANALYTE	CAS	(494)	Conc	9	RL	MDG
MICROEKTRACTABLES BY GC						
VOLATILE ORGANICS BY GCIMS						
Berzene	71-49-2	1	NO		0.6	0.1
Diverse	109-69-3	1	NO		0.75	0.2
Ethyberzene	100-41-4	2	ND		0.6	0.1
Mediyi set buyi ether	\$636-06-6	1	ND		1	0.1
Xylene (Tatal)	1330-20-7	2	ND		1	0.30
cis-1,2-Dichloroethene	156-59-2	1	0.29	- 3	0.6	
Acetone	67-66-1	10	2.5	- 3	- 5	1.5
Carbon-disulfide	75-15-0	1	ND		- 6	0.3
7 Butterone	79-93-2	2	NO		- 1	1.9
VOLATILE ORGANICS BY GCIMS-TIC						
Total TIC Compounds			-		-	-
BASEINEUTRAL EXTRACTABLES BY	GOMS-WESTE	OROUGHLAB				
Aceraphthene	10-32-9	10	NO		- 2	0.4
Naphthalene	¥1-20-3	2	12	-,	- 2	0.68
Bis(2-ethylhexylighthalase	117-91-7	1	2.4	3	- 2	1.5
Fluorene	86-73-7	1	NO		- 2	
Phenasthrene	85-01-6		ND		- 2	0.83
Dibersolutan	132-66-9		ND		- 2	0.5
2-Methylraphthalene	81-57-6		ND		- 2	0.4
Cartazole	86-74-6		ND		2	0.6
BASEINEUTRAL EXTRACTABLES BY	GEMS-WESTE	OROUGH LAB-TIC				
Total TIC Compounds			162	3	0	0
BASEINEUTRAL EXTRACTABLES BY						
Berzojijurdracene	\$6-55-3	0.1	0.1		0.1	0.00
Bet20)((pyrene	\$0-32-6	0.1	0.09	J	0.1	
Berzoldfuotsithere	205-99-2	0.2	0.18		0.1	
Betzojkjfuoranthene	207-09-9	0.3	0.09	J	0.1	0.00
Diservoja i jarovacene	\$2-70-2		0.03	-	0.1	0.00
	193-39-5		0.09			

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Figure: Concentration Levels, ML : Dec 2018

Appendix - Contd.



				SAMPLE ID
				LARID
				COLLECTION DATE
				SAMPLE DEPTH
				SAMPLE MATRIX
		NJ-GWIA	N2-INTOW	NJ-GWI-PL
MALYTE	CAS	(1991)	(legf)	(491)
AOLATILE ORGANICS BY GCIMS				
	71-63-2	1		- 1
idybeczene	100-41-4	700		2
Glenne, Total	1330-20-7	1000		2 10
		700		10
sograpyberzene Siciohisiane	99-82-8 110-62-7	700		
	110-92-7	_		
Aethyl cyclohexane Isse VDCs	239-87-2			- 1
VOLATILE ORGANICS BY GOMS-TIC		-		
DESCRIPTION OF THE PROPERTY OF	_	_		
		-		
ndane	000896-11-7			
Eaghthalene	000091-20-2	_		2
Anknown Aromadic Anknown Benzene		_		
Introde Bergene	00000046-1	_		- :
	00000349-1	_		
Jrkrown Bergene sland, Trimethil-	001066-40-6	_		1
arana, Timetrye- Jriknown Bengene	001066-60-6	_		
Total TiC Compounds	_	CON-		1
ASENEUTRAL EXTRACTABLES BY O	THE WESTER			
destructions	10-20-3	200		1
	117-61-7	200		2
ik(2-ethylhes/lighthalase BASE/NEUTRAL EXTRACTABLES BY C				1
Inknown Alkane	CMS- WESTED	HOUGH LAN	IIC	
ankrown Alkane	_	_		
				-
		_		
Unknown Alkane Unknown Alkane				1
Inkrown Alkane Inkrown Become				
Jrkrown Alkane Jrkrown Berzene Jrkrown Aldehyde				
Iriknouri Alkane Iriknouri Bengene Iriknouri Aldehyde Iriknouri Bengene				
Jrikrows Alkane Jrikrows Bergene Jrikrows Bergene Jikrows Bergene 950 Condenzani				
Jriknoun Alliane Jriknoun Alliane Jriknoun Allianyde Jriknoun Berzene Jriknoun Berzene Jriknoun Berzene				1 1 1
Jrizzona Alkane Jrizzona Berzone Jrizzona Malinyde Jrizzona Merzone Mol Condenzana Jrizzona Berzone Jrizzona Berzone Jrizzona Herzone				1 1 1 1 1 1
Inkinoun Alkane Inkinoun Belegene Inkinoun Belegene Inkinoun Belegene Inkinoun Belegene Belgene Belgenen Belgenen Belgenen Belgenen Belgenen Belgenen Belgenen Belgenen Belgenen				1 1 1 1 1 1 1 1
				1 1 1 1 1 1
Iriknoun Alkare Vikroun Become Vikroun Haleyde Vikroun Haleyde Vikroun Become Vikroun Become Vikroun Become Vikroun Become Vikroun Vikroun Vikroun				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Jakinoun Allone Jakinoun Become Jakinoun Become Jakinoun Become Jakinoun Become Jakinoun Become Jakinoun Become Jakinoun Allone Jakinoun Allone Jakinoun Become Jakinoun Become Jakinoun Become				1 1 1 1 1 1 1 1 1 1 1 1
Arknown Akonee Arknown Become Arknown Affrican Arknown				1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Alforoum Allorea Alforoum Allorea Alforoum Alforopie Alforoum Alforopie Alforoum Bergere Alforoum Alforopie Alforoum Bergere Alforoum Alforopie Alforom Alf	00006.41.7			5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Althours House Althours	200496-11-7			3 3 5 5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Intercon Adultaria Intercon Bercore Intercon Adultaria Intercon Bercore	000496-11-7			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Allection Marchael Michael Andreae Michael Mic				3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Historian Michael Historian	000496-11-7 000500-41-4			1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
Arknoun Akare Arknoun Berame Arknoun Hadinyde Arknoun Berame Arknoun Berame Arknoun Berame Arknoun Akare Arknoun Akare Arknoun Akare Arknoun				3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

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Figure: Concentration Levels, ML : Jun 2019

Appendix - Contd.



		SAMPLE ID:	100-1 1,200-25-05 8582020			
		LAS ID:				
		COLLECTION DATE:				
		SAMPLE DEPTH:				
ANALYTS	_	SAMPLE MATRIX	WATER			
	CAS	N3-GWBA	Conc	O RL	MDL	
OLATILE ORGANICS BY GOMS	CAS	(104)	Core	Q HL	MOL	
2-Dibromo-9-chloropropane	96-12-8	0.02	ND	2.5	0.35	
6-Dioxane	123-91-1	0.4	ND:	250	60	
2-Dibromoethane	109-93-4	0.02	ND:	2		
ethylene chloride 1-Dicholoethare	75-09-2	- 6	NO NO	9.5	0.68	
MAY (SOID	6746-3	70	ND	0.75	0.22	
arbon tetrachionide	56-23-5	1	ND.	0.5	0.13	
2-Dichloropropane	79-97-6	1	ND	1		
bronochioromethane 1,2 Frichioroethane	124-69-1	1	ND:	0.5	0.15	
1,2-michiproethane	79-00-6	3	ND 10	0.75	0.14	
trachiorcethene Forsioncere	127-18-4	100	ND ND	2.0	0.18	
	75-69-4	2000	ND	2.5	0.16	
2-Dichloroethane	117-06-2	2	ND	0.5	0.13	
1,1-Trichlorcethane	75-65-6	30	ND	2.0	0.16	
romodichloromethane	75-27-4	1	ND ND	0.6	0.19	
ans-1,3-Dichlorogropene	10061-02-6		NO	6.6	0.16	
s-1.3-Dichlospropene 3-Dichlospropene, 1004	10061-01-6		ND ND	2.0	0.14	
onation.	75-25-2	-	ND	- 2	0.25	
1,2,3-Tetrachioroethane	79-34-5	1	ND:	2.0	0.17	
NICOS Sunto	71-43-2	1 600	ND ND	2.0	0.16	
	120-41-4		ND ND	0.75	0.2	
tybeczene	76-67-3	700		2.5		
risromethane Unonethane		32	ND ND		0.2	
ryl charide	75-05-6	1	ND	0.2	0.07	
nizroethane	75-00-2		ND:	1	0.13	
t-Dichlospethene usp 1.2-Dichlospethene	75-35-4 156-60-6	1 100	ND ND	0.5	0.17	
Init 1,2 Clarisocettene	79-01-6	1 1	ND ND	0.5	0.18	
Charlettens	79-01-6 95-50-1	600				
- Cichlosberzene - Cichlosberzene			ND ND	2.5	0.18	
-Dichloobergene	156-66-7	75	ND	2.5	0.19	
othyl set bug/ ether s-Xylene	1630-00-6	70	ND:	- 1	0.17	
n-Xylene	179601-23-1		ND MD	-	0.33	
Xylana	95-47-6	2000	ND ND	1	0.39	
Sense, Total -12 Octoberanse	1330-20-7	70				
2-Dichocemene, Total	583-59-0		140	0.5	0.16	
yese	150-12-6	100	ND	- 1	0.39	
Chlorodifluoromethane 19306	75-71-8 67-60-1	1000 6000	ND 6.1	- 1	0.24	
cesone action disulfide	67-66-1 75-15-0	6000	6.1 ND		1.5	
albon promoe Suzanone	79-93-3	200	ND ND		1.9	
Methyl-2-pentanone	10910-1		ND ND		0.42	
Residence .		- 65	140	- 1	0.52	
and the constant	7847-5		ND	2.5	0.15	
propyberzene 2.3 Frichlordsetzene	98-82-8 97-61-6	700	ND MD	0.5	0.19	
2,5 frichioroberzene 2,6 frichioroberzene	120-92-1		ND ND	2.5	0.22	
		7000		23	0.22	
My Augus Victoria	110-92-7					

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Figure: Concentration Levels, ML : Dec 2020

Appendix - Contd.





 A Periodic Summay Report, which includes a presentation of groundwater quality data for the period 2017-2000, groundwater data trends, groundwater gradients, petroleum contaminant distributions, human receptor information, an updated conceptual site

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

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

