



March 8, 2012

Mark & Kelly Radke
N8446 County Road F
Shiocton WI 54170

Subject: Water sample results from house and barn for the private well located in the NW of the NW of Sec. 24, Deer Creek Township, Outagamie County. **(WUWN: PU664)**

Dear Mr. & Mrs. Radke:

Attached are the results from the water sampling of your water system. Since the summer of 2011 you have been experiencing a gasoline odor in the barn water. In the fall the water smell got progressively worse and animals drinking the water in the barn were sickly or dying. However, the water at the house did not smell nor have the same problem.

The well serving your water system was constructed for the previous owner, Patrick McClone, in 1962. The well is reported to be 254 feet deep with 209 feet of protective well casing pipe. You purchased the home approximately 15 years ago, in November of 1996. The water is pumped from the well to the pressure tank in the basement of the house, and water is then piped from the house out to the garage and the barn. (Another shallow sand point well serves the more westerly barn.)

According to my records, several years ago you and your husband dug up the water line to the barn that is experiencing problems. When digging you noticed a gasoline odor in the hole. The plastic pipe out to the barn is located within this area.

As we have discussed, state records do document that the previous owner, Pat McClone, had removed a 275 gallon leaded gasoline tank that was used for agricultural purposes. The tank removal was recorded as being on August 15, 1987.

On January 17, 2012 I collected water samples from both your house water system, and from your barn water system. The samples were analyzed for VOCs (Volatile Organic Chemicals) which would detect the individual chemical components of gasoline or petroleum products. In addition, I collected a water sample from the barn to be analyzed for various metals and inorganic parameters that might affect animal health.

The State Laboratory of Hygiene reports the following results:

<u>LOCATION</u>	<u>TEST</u>	<u>RESULTS</u>	<u>DRINKING WATER STANDARD</u>
<u>House</u> (kitchen tap)	VOCs	None Detected	-
<u>Barn</u>	VOCs		
	1,2,4-Trimethylbenzene	14 -18.3 combined	480
	1,3,5-Trimethylbenzene	4.3	
	Benzene	7.2	5
	Ethylbenzene	15	700
	Isopropylbenzene	0.50	-
	M/P Xylene	42 -36 combined	2,000
	O-Xylene	14	
	N-Butylbenzene	1.2	-
	N-Propylbenzene	2.6	-
	Naphthalene	2.7	100
	Toluene	33	-
	Arsenic	Not Detected	-
	Iron	0.1 mg/L	0.3* mg/L
	Lead	Not Detected	-
	Manganese	10.6	300
	Nitrates	Not Detected	-
	Nickel	Not Detected	-
	Selenium	Not Detected	-

Note: Results reported in ug/L = micrograms per liter = ppb = parts per billion, unless otherwise noted. Iron results reported in mg/L = milligrams per liter = ppm = parts per million; iron results are Secondary Drinking Water Standards based on aesthetic concerns (taste, staining) not on health parameters.

The samples from the barn did detect gasoline-related chemicals. **The level of benzene in the water was above the drinking water advisory.** You were advised not to use the barn water for drinking or cooking, and to provide a different water line for the animals.

It appears that gasoline contamination of the soil may be leaching into the plastic water line out to the barn. It seems probable that this may be associated with the gasoline tank that was removed in 1987. Fortunately, the well water does not appear to be contaminated.

It is my understanding that a release to the environment must be reported to the Department and follow up work needs to be done to mitigate the problem. Tom Sturm, of our Bureau of Remediation and Redevelopment, can help you with this process. **Tom can be reached at our Shawano office at (715) 526-4230.**

In summary, gasoline related chemicals were identified in the barn water. You were advised to find an alternate water line to serve water to this location. Please contact Tom Sturm at (715) 526-4230 regarding proper follow up steps to resolve the problem. For questions regarding your well or drinking water feel free to call me at (920) 993-7056.

Sincerely,



Liz Heinen

Drinking & Groundwater Specialist

Cc: DG/5

Tom Sturm – R&R/Shawano

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: OW003118

Page 4 of 8

Laboratory: Wisconsin State Laboratory of Hygiene
2601 Agriculture Dr
Madison WI 53718
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

Sample:

Field #: RADKE-HOUSE	Sample #: OW003118
Collection Start: 01/17/2012 05:30 pm	Collection End:
Collected by: HEINEN	Waterbody/Outfall Id:
ID #: _____	ID Point #: PU664
County: Outagamie	Account #: DH060
Sample Location: N8446 COUNTY ROAD F; SHIOCTON	
Sample Description: KITCHEN TAP	
Sample Source: Private (other)	Sample Depth:
Date Reported: 01/31/2012	Sample Status: COMPLETE
Project No: _____	Sample Reason:

Analyses and Results:

Analysis Method	Analysis Date	Lab Comment						
VOCS IN WATER BY GC/MS - EPA METHOD	01/25/2012	SEE OW003118.MM1						
<i>Lab Memo</i>	<p>THE FOLLOWING QUALIFIERS EXIST FOR THE DATA THAT IS REPORTED FOR WISCONSIN STATE LABORATORY OF HYGIENE (WSLH) SAMPLE OW003118.</p> <p>THE LAB MATRIX SPIKE DOES NOT MEET THE LOWER QC LIMIT INDICATED BY *LML.</p> <p>THE MATRIX SPIKE DOES NOT MEET THE LOWER QC LIMIT INDICATED BY *MSL.</p> <p>THE RESULTS FOR THE FOLLOWING COMPOUNDS HAVE THESE QUALIFIERS:</p> <table border="0"> <tr> <td style="text-align: left;">ANALYTE</td> <td style="text-align: left;">QUALIFIER</td> </tr> <tr> <td>-----</td> <td>-----</td> </tr> <tr> <td>1,2-DIBROMO-3-CHLOROPROPANE</td> <td>*LML*MSL</td> </tr> </table> <p>CURRENTLY, 2,2-DICHLOROPROPANE IS NOT ACCREDITED.</p> <p>IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.</p>		ANALYTE	QUALIFIER	-----	-----	1,2-DIBROMO-3-CHLOROPROPANE	*LML*MSL
ANALYTE	QUALIFIER							
-----	-----							
1,2-DIBROMO-3-CHLOROPROPANE	*LML*MSL							
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>		
77562	1,1,1,2-TETRACHLOROETHANE	ND	UG/L	0.20		0.66		
34506	1,1,1-TRICHLOROETHANE	ND	UG/L	0.15		0.50		
34516	1,1,2,2-TETRACHLOROETHANE	ND	UG/L	0.15		0.50		
34511	1,1,2-TRICHLOROETHANE	ND	UG/L	0.15		0.50		
34496	1,1-DICHLOROETHANE	ND	UG/L	0.15		0.50		
34501	1,1-DICHLOROETHYLENE	ND	UG/L	0.15		0.50		
77168	1,1-DICHLOROPROPENE	ND	UG/L	0.15		0.50		
77613	1,2,3-TRICHLOROBENZENE	ND	UG/L	0.15		0.50		

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: OW003118

Page 5 of 8

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
77443	1,2,3-TRICHLOROPROPANE	ND	UG/L	0.15		0.50
34551	1,2,4-TRICHLOROBENZENE	ND	UG/L	0.15		0.50
77222	1,2,4-TRIMETHYLBENZENE	ND	UG/L	0.15		0.50
38437	1,2-DIBROMO-3- CHLOROPROPANE	* ND	UG/L	0.20		0.66
77651	1,2-DIBROMOETHANE	ND	UG/L	0.15		0.50
34536	1,2-DICHLOROBENZENE	ND	UG/L	0.15		0.50
34531	1,2-DICHLOROETHANE	*MSL ND	UG/L	0.15		0.50
77093	1,2-DICHLOROETHYLENE CIS	ND	UG/L	0.15		0.50
34546	1,2-DICHLOROETHYLENE TRANS	ND	UG/L	0.15		0.50
34541	1,2-DICHLOROPROPANE	ND	UG/L	0.15		0.50
77226	1,3,5-TRIMETHYLBENZENE	ND	UG/L	0.15		0.50
34566	1,3-DICHLOROBENZENE	ND	UG/L	0.15		0.50
77173	1,3-DICHLOROPROPANE	ND	UG/L	0.15		0.50
34704	1,3-DICHLOROPROPENE-CIS	ND	UG/L	0.15		0.50
34699	1,3-DICHLOROPROPENE-TRANS	ND	UG/L	0.15		0.50
34571	1,4-DICHLOROBENZENE	ND	UG/L	0.15		0.50
77170	2,2-DICHLOROPROPANE	* ND	UG/L	0.15		0.50
77275	2-CHLOROTOLUENE	ND	UG/L	0.15		0.50
34030	BENZENE	ND	UG/L	0.15		0.50
81555	BROMOBENZENE	ND	UG/L	0.15		0.50
77297	BROMOCHLOROMETHANE	ND	UG/L	0.15		0.50
32101	BROMODICHLOROMETHANE	ND	UG/L	0.15		0.50
32104	BROMOFORM	ND	UG/L	0.15		0.50
34413	BROMOMETHANE	ND	UG/L	0.15		0.50
77350	BUTYLBENZENE SEC	ND	UG/L	0.15		0.50
77353	BUTYLBENZENE TERT	ND	UG/L	0.15		0.50
32102	CARBON TETRACHLORIDE	ND	UG/L	0.15		0.50
34301	CHLOROBENZENE	ND	UG/L	0.15		0.50
34311	CHLOROETHANE	ND	UG/L	0.15		0.50
32106	CHLOROFORM	ND	UG/L	0.15		0.50
34418	CHLOROMETHANE	ND	UG/L	0.15		0.50
32105	DIBROMOCHLOROMETHANE	ND	UG/L	0.15		0.50
77596	DIBROMOMETHANE	ND	UG/L	0.15		0.50

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: OW003118

Page 6 of 8

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
34668	DICHLORODIFLUOROMETHANE	ND	UG/L	0.20		0.66
34371	ETHYLBENZENE	ND	UG/L	0.15		0.50
34391	HEXACHLOROBUTADIENE	ND	UG/L	0.15		0.50
77223	ISOPROPYLBENZENE	ND	UG/L	0.15		0.50
85795	M/P-XYLENE	ND	UG/L	0.15		0.50
78032	METHYL TERT BUTYL ETHER	ND	UG/L	0.15		0.50
34423	METHYLENE CHLORIDE	ND	UG/L	0.15		0.50
77342	N-BUTYLBENZENE	ND	UG/L	0.15		0.50
77224	N-PROPYLBENZENE	ND	UG/L	0.15		0.50
34696	NAPHTHALENE	ND	UG/L	0.15		0.50
77135	O-XYLENE	ND	UG/L	0.15		0.50
77277	P-CHLOROTOLUENE	ND	UG/L	0.15		0.50
77356	P-ISOPROPYLTOLUENE	ND	UG/L	0.15		0.50
77128	STYRENE	ND	UG/L	0.15		0.50
34475	TETRACHLOROETHYLENE	ND	UG/L	0.15		0.50
34010	TOLUENE	ND	UG/L	0.15		0.50
39180	TRICHLOROETHYLENE	ND	UG/L	0.15		0.50
34488	TRICHLOROFLUOROMETHANE	ND	UG/L	0.15		0.50
39175	VINYL CHLORIDE	ND	UG/L	0.20		0.66

<i>Analysis Method</i>	<i>Analysis Date</i>	<i>Lab Comment</i>				
VOCS IN WATER BY GC/MS - PREP - EPA ME01/25/2012						
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
99299	PREP VOCS IN WATER GC/MS METHOD 524.2	COMPLE TE				

<i>Analysis Method</i>	<i>Analysis Date</i>	<i>Lab Comment</i>				
TEMPERATURE ON RECEIPT-ICED - O950 01/18/2012						
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
136	TEMPERATURE AT LAB	ICED			9999999	

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: OW003117

Page 1 of 8

Laboratory: Wisconsin State Laboratory of Hygiene
2601 Agriculture Dr
Madison WI 53718
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

Sample:

Field #: RADKE-BARN	Sample #: OW003117
Collection Start: 01/17/2012 05:15 pm	Collection End:
Collected by: HEINEN	Waterbody/Outfall Id:
ID #: _____	ID Point #: PU664
County: Outagamie	Account #: DH060
Sample Location: N8446 COUNTY ROAD F; SHIOCTON	
Sample Description: FAUCET	
Sample Source: Private (other)	Sample Depth:
Date Reported: 01/31/2012	Sample Status: COMPLETE
Project No: _____	Sample Reason:

Analyses and Results:

Analysis Method	Analysis Date	Lab Comment
VOCS IN WATER BY GC/MS - EPA METHOD	01/25/2012	SEE OW003117.MM1
Lab Memo	THE FOLLOWING QUALIFIERS EXIST FOR THE DATA THAT IS REPORTED FOR WISCONSIN STATE LABORATORY OF HYGIENE (WSLH) SAMPLE OW003117.	
	THE LAB MATRIX SPIKE DOES NOT MEET THE LOWER QC LIMIT INDICATED BY *LML.	
	THE MATRIX SPIKE DOES NOT MEET THE LOWER QC LIMIT INDICATED BY *MSL.	
	THE MATRIX SPIKE DOES NOT MEET THE UPPER QC LIMIT INDICATED BY *MSU.	
	THE RESULTS FOR THE FOLLOWING COMPOUNDS HAVE THESE QUALIFIERS:	
	ANALYTE	QUALIFIER
	-----	-----
	1,2-DIBROMO-3-CHLOROPROPANE	*LML*MSL
	THIS SAMPLE ALSO CONTAINS HEXANE AT 11. UG/L.	
	CURRENTLY, 2,2-DICHLOROPROPANE IS NOT ACCREDITED.	
	IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.	

Code	Description	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	ND	UG/L	0.20		0.66
34506	1,1,1-TRICHLOROETHANE	ND	UG/L	0.15		0.50
34516	1,1,2,2-TETRACHLOROETHANE	ND	UG/L	0.15		0.50
34511	1,1,2-TRICHLOROETHANE	ND	UG/L	0.15		0.50
34496	1,1-DICHLOROETHANE	ND	UG/L	0.15		0.50
34501	1,1-DICHLOROETHYLENE	ND	UG/L	0.15		0.50

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: OW003117

Page 2 of 8

Code	Description	Result	Units	LOD	Report Limit	LOQ
77168	1,1-DICHLOROPROPENE	ND	UG/L	0.15		0.50
77613	1,2,3-TRICHLOROBENZENE	ND	UG/L	0.15		0.50
77443	1,2,3-TRICHLOROPROPANE	ND	UG/L	0.15		0.50
34551	1,2,4-TRICHLOROBENZENE	ND	UG/L	0.15		0.50
77222	1,2,4-TRIMETHYLBENZENE	*MSU 14.	UG/L	0.15		0.50
38437	1,2-DIBROMO-3- CHLOROPROPANE	* ND	UG/L	0.20		0.66
77651	1,2-DIBROMOETHANE	ND	UG/L	0.15		0.50
34536	1,2-DICHLOROBENZENE	ND	UG/L	0.15		0.50
34531	1,2-DICHLOROETHANE	*MSL ND	UG/L	0.15		0.50
77093	1,2-DICHLOROETHYLENE CIS	ND	UG/L	0.15		0.50
34546	1,2-DICHLOROETHYLENE TRANS	ND	UG/L	0.15		0.50
34541	1,2-DICHLOROPROPANE	ND	UG/L	0.15		0.50
77226	1,3,5-TRIMETHYLBENZENE	*MSU 4.3	UG/L	0.15		0.50
34566	1,3-DICHLOROBENZENE	ND	UG/L	0.15		0.50
77173	1,3-DICHLOROPROPANE	ND	UG/L	0.15		0.50
34704	1,3-DICHLOROPROPENE-CIS	ND	UG/L	0.15		0.50
34699	1,3-DICHLOROPROPENE-TRANS	ND	UG/L	0.15		0.50
34571	1,4-DICHLOROBENZENE	ND	UG/L	0.15		0.50
77170	2,2-DICHLOROPROPANE	* ND	UG/L	0.15		0.50
77275	2-CHLOROTOLUENE	ND	UG/L	0.15		0.50
34030	BENZENE	*MSU 7.2	UG/L	0.15		0.50
81555	BROMOBENZENE	ND	UG/L	0.15		0.50
77297	BROMOCHLOROMETHANE	ND	UG/L	0.15		0.50
32101	BROMODICHLOROMETHANE	ND	UG/L	0.15		0.50
32104	BROMOFORM	ND	UG/L	0.15		0.50
34413	BROMOMETHANE	ND	UG/L	0.15		0.50
77350	BUTYLBENZENE SEC	ND	UG/L	0.15		0.50
77353	BUTYLBENZENE TERT	ND	UG/L	0.15		0.50
32102	CARBON TETRACHLORIDE	ND	UG/L	0.15		0.50
34301	CHLOROBENZENE	ND	UG/L	0.15		0.50
34311	CHLOROETHANE	ND	UG/L	0.15		0.50
32106	CHLOROFORM	ND	UG/L	0.15		0.50
34418	CHLOROMETHANE	ND	UG/L	0.15		0.50

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: OW003117

Page 3 of 8

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
32105	DIBROMOCHLOROMETHANE	ND	UG/L	0.15		0.50
77596	DIBROMOMETHANE	ND	UG/L	0.15		0.50
34668	DICHLORODIFLUOROMETHANE	ND	UG/L	0.20		0.66
34371	ETHYLBENZENE	*MSU 15.	UG/L	0.15		0.50
34391	HEXACHLOROBUTADIENE	ND	UG/L	0.15		0.50
77223	ISOPROPYLBENZENE	0.50	UG/L	0.15		0.50
85795	M/P-XYLENE	*MSU 42.	UG/L	0.15		0.50
78032	METHYL TERT BUTYL ETHER	ND	UG/L	0.15		0.50
34423	METHYLENE CHLORIDE	ND	UG/L	0.15		0.50
77342	N-BUTYLBENZENE	1.2	UG/L	0.15		0.50
77224	N-PROPYLBENZENE	2.6	UG/L	0.15		0.50
34696	NAPHTHALENE	*MSU 2.7	UG/L	0.15		0.50
77135	O-XYLENE	*MSU 14.	UG/L	0.15		0.50
77277	P-CHLOROTOLUENE	ND	UG/L	0.15		0.50
77356	P-ISOPROPYLTOLUENE	ND	UG/L	0.15		0.50
77128	STYRENE	ND	UG/L	0.15		0.50
34475	TETRACHLOROETHYLENE	ND	UG/L	0.15		0.50
34010	TOLUENE	*MSU 33.	UG/L	0.15		0.50
39180	TRICHLOROETHYLENE	ND	UG/L	0.15		0.50
34488	TRICHLOROFLUOROMETHANE	ND	UG/L	0.15		0.50
39175	VINYL CHLORIDE	ND	UG/L	0.20		0.66

<i>Analysis Method</i>	<i>Analysis Date</i>	<i>Lab Comment</i>
VOCS IN WATER BY GC/MS - PREP - EPA ME01/25/2012		

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
99299	PREP VOCS IN WATER GC/MS METHOD 524.2	COMPLE TE				

<i>Analysis Method</i>	<i>Analysis Date</i>	<i>Lab Comment</i>
TEMPERATURE ON RECEIPT-ICED - O950	01/18/2012	

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
136	TEMPERATURE AT LAB	ICED			9999999	

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: IW011847

Page 7 of 8

Laboratory: Wisconsin State Laboratory of Hygiene
2601 Agriculture Dr
Madison WI 53718
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

Sample:

Field #: RADKE-BARN	Sample #: IW011847
Collection Start: 01/17/2012 05:15 pm	Collection End:
Collected by: HEINEN	Waterbody/Outfall Id:
ID #: PU664	ID Point #:
County: Outagamie	Account #: DH060
Sample Location: N8446 COUNTY ROAD F, SHIOCTON	
Sample Description: BARN FAUCET	
Sample Source: Private (other)	Sample Depth:
Date Reported: 02/06/2012	Sample Status: COMPLETE
Project No:	Sample Reason:

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
ARSENIC, AA FURN (SM 3113B)		01/31/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	ND	UG/L	1		3

Analysis Method		Analysis Date	Lab Comment			
IRON, UNDIG, ICP (EPA 200.7)		01/24/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1045	IRON TOTAL	0.1	MGL	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
LEAD, AA FURN (SM 3113B)		01/24/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1051	LEAD	ND	UG/L	1		3

Analysis Method		Analysis Date	Lab Comment			
MANGANESE, UNDIG, ICP (EPA 200.7)		01/24/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1055	MANGANESE	10.6	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
NITRATE + NITRITE (AS N) (EPA 353.2)		01/20/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
630	NITROGEN NO3+NO2	ND	MG/L	0.30		1.00

Analysis Method		Analysis Date	Lab Comment			

**Wisconsin Department of Natural Resources
Laboratory Report**

03/08/2012

Lab: 113133790

Sample: IW011847

Page 8 of 8

NICKEL, UNDIG, ICP (EPA 200.7) **01/24/2012**

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
1067	NICKEL ICP	ND	UG/L	1		3

Analysis Method *Analysis Date* *Lab Comment*

SELENIUM, AA FURN (SM 3113B) **01/25/2012**

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
1147	SELENIUM	ND	UG/L	1		3

Analysis Method *Analysis Date* *Lab Comment*

TURBIDITY SCREENING FOR SDWA METAL01/19/2012

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
99197	TURBIDITY METALS SCREENING	<1.0	NTU		1	

Analysis Method *Analysis Date* *Lab Comment*

TEMPERATURE ON RECEIPT-ICED **01/18/2012**

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
136	TEMPERATURE AT LAB	ICED	C		0	

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: Jan 17, 2012
TO: File-OUT Co/Deer Creek
FROM: Liz Heinen-DNR DG
SUBJECT: Reported gas in well water-Shiocton

⇒ chaps myhide @ hotmail.com

1/31/2011 4:50pm
Called Kelly w/ results

Mark & Kelly Radke WUWN: **PU664**
N8446 County Road F
Shiocton WI 54170
(715) 752-4866
Kelly's cell: (715) 250-2388
Lot 1, NW NW Sec. 24, T24N-R15E

-Called DNR Friday, Nov. 13, 2012. Told to not drink the water and collect a water sample.
-Tuesday, Nov. 17th DNR Dg called Kelley Radke:

- Record of gas tank removed in 1986 (275 gallon, leaded gas). At that time no site assessment was required.
- Radke family purchased the property ~15 years ago, Nov 1996. (O'Connor Sales & Realty)
- Previous owner, Pat McClone, died last year.
- Water from barn smells like gas. House seems fine.
- Well is 253' deep.
- During the summer of 2011 the barn water had an odor.
- About two months ago (Oct? Nov 2011??) the barn water really smelled like gasoline and it has progressively gotten worse. Now "you can see it on top" of the water... a sheen to the top of the water?
- There are six people in the home: Mark & Kelly, with four kids (ages 2, 4, 15, 16).
- They have ~20 animals in the barn: donkeys, llamas, horses, pigs, chickens.
- They had a female dog that was kept out in the barn for the past 1.5 months to breed with a male dog out there and she was having illness issues. The vet's performed surgery and when they "opened her up they found the kidneys were twice the normal size" so they closed her back up again.
- They had a donkey die a few weeks ago, and two buffalo died. (The buffalo drink from a water line that goes to the garage, not the barn.)
- Kelly called Clean Water Testing and a well driller. They both told her "not to bother" to sample the water because if you can smell it you have it. It wasn't worth spending the money on. I advised her that it is worth sampling because: it can confirm or negate whether there indeed is gasoline contamination (some things will smell like gas, which are not); and sample results could indicate how serious the contamination is and if the water poses other hazards (dermal contact, explosion, etc.)
- Kelly got a test kit from T&G in Greenville and tested the house water (to ensure the house water really was okay). She paid \$125 for the test kit and she won't have the results for two weeks.

Roxanne Chronert/Tom Sturm-DNR R&R Program

- Sample. If samples detect contamination the homeowners are required to notify DNR (Diane Hansen). Wait for confirmation to report the release.
- An RP letter will be sent to them.
- If the tank pull was not disclosed when they purchased the property they can have a civil action between the parties involved.

-If they purchased the property they are in possession and control and are identified as the Responsible Party. It is their obligation to report it and resolve the problem.

-Any emergency water costs, etc. that we provide would be cost recovered back from them as an RP...so it is best to have them find the most economical way to provide this.

-If they cannot afford emergency water we need to provide documentation to prove it, but they will be cost recovered.

-Best contact for PECFA info: Tom Verstegen, 424-0025 or Beth Erdman 303-5410

Tom Sturm can assist with the process: 715-526-4230

-Well Comp info/PECFA info.

-Well: Drilled 1962...Schaefer WD..254' deep (into "rotten granite"), 209' casing pipe...OU6288.

-Old well on property abandoned by McClone himself in 1996-20' deep, 2' diameter well, poured 1 sack concrete.

-Provided homeowner: info and contacts on PECFA, Well Comp, well log, well ab. report, WUWN

→Notes

→location

→Well logs, well ab reports

→Lab forms, sample kits

143

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

W-1 6

See Instructions on Reverse Side

- 1. County Outagamie Town Deer Creek Village City Check one and give name
- 2. Location N. W. of N. W. of Section 24 Township 24 North, Range 15 East
Name of street and number of premise or Section, Town and Range numbers
- 3. Owner or Agent Fayrick W. McClone 785' ETM
Name of individual, partnership or firm
- 4. Mail Address Route # 1 Shiocton, Wisconsin
Complete address required
- 5. From well to nearest: Building 5 ft; sewer 25 ft; drain 25 ft; septic tank 35 ft;
dry well or filter bed 100 ft; abandoned well ft 24 ft. drive point
- 6. Well is intended to supply water for: Farm home & barn

RECEIVED

DEC 13 1962

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	254

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel pipe	0	209

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay puddle	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.
 Depth from surface to water-level: 5 ft.
 Water-level when pumping: 15 ft.
 Water sample was sent to the state laboratory at:
Goshkosh MADISON on 12-12 1962
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	24
Sand	24	33
Clay	33	143
Sand	143	145
Clay	145	148
Sand	148	150
Boulder	150	151
Gravel & hardpan	151	179
Clay & sand	179	203
Claying sandrock	203	209
Solid sandrock	209	245
Broken sandrock	245	254

Construction of the well was completed on:
October 10 1962
 The well is terminated 10 inches
 above; below the permanent ground surface.
 Was the well disinfected upon completion?
 Yes No
 Was the well sealed watertight upon completion?
 Yes No

Signature R. J. SCHAFFER & SONS, INC.
Registered Well Driller

Fremont, Wisconsin
Complete Mail Address

Please do not write in space below

REC 13 1962
 Rec'd No. 46211
 Ans'd SAFE--BACTERIOLOGICALLY
 Interpretation
6288

10 ml 10 ml 10 ml 10 ml 10 ml
 Gas—24 hrs. _____
 48 hrs. _____
 Confirm _____
 B. Coli 0
 Examiner _____

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>NW 1/4 of NW 1/4 of Sec. 24 ; T. 24 N.R. 15</u> (If applicable)	County <u>Ooutagamie</u>	Original Well Owner (If Known) <u>Patrick McClone</u>	Present Well Owner <u>Same</u>
Gov't Lot	Grid Number	Street or Route <u>N 8446 Co Rd F</u>	City, State, Zip Code <u>Shiocton WI 54170</u>
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.	Civil Town Name <u>Deer Creek</u>	Facility Well No. and/or Name (If Applicable) <u>NA</u>	WI Unique Well No. <u>NA</u>
Street Address of Well <u>N 8446 Co Rd F</u>	Reason For Abandonment <u>Unused</u>	Date of Abandonment <u>May 20 5/20/96</u>	
City, Village <u>Shiocton WI 54170</u>			

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>Unknown</u>	(4) Depth to Water (Feet) Pump & Piping Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____ Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Monitoring Well <input checked="" type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>20</u> Casing Diameter (ins.) <u>2"</u> (From ground surface) Casing Depth (ft.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) <u>Poured</u> (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input checked="" type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Gramlar Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>Concrete</u>	<u>Surface</u>	<u>20</u>	<u>1 sack</u>	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Patrick McClone
Signature of Person Doing Work
Patrick McClone
Date Signed
5-22-96
Street or Route
N 8446 CTH F
Telephone Number
(414)
City, State, Zip Code
Shiocton WI 54170

(10) FOR DNR OR COUNTY USE ONLY
Date Received/Inspected
5/29/96
District/County
Reviewer/Inspector
Follow-up Necessary

→ 06/5

Wisconsin Unique Well Numl PU664	<input type="checkbox"/>	<input checked="" type="checkbox"/> Add	<input type="checkbox"/> Change	
Inventory Completed By (Last Name, First, MI) HENEN, LIZ	Date 01/17/2012 <small>m m d d y y y y</small>	With <input checked="" type="checkbox"/> DNR <input type="checkbox"/>		

Facility Name _____ Facility ID # _____
 Local Well ID _____
 High Cap Well # _____

Primary Contact Name (Last, First, MI) RADKE, MARK & KELLY	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Occupant <input type="checkbox"/> Consultant <input type="checkbox"/> Manager <input type="checkbox"/> Contractor <input type="checkbox"/> Driller <input type="checkbox"/> Business <input type="checkbox"/> Facility <input type="checkbox"/> Sampler <input type="checkbox"/> Other
Telephone Number (715) 752-4866	
Mailing Address N8446 COUNTY RD F	
City SHIOCTON State WI Zip Code 54170	
Other Contact Name (Last, First, MI)	

Telephone Number ()	<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Occupant <input type="checkbox"/> Consultant <input type="checkbox"/> Manager <input type="checkbox"/> Contractor <input type="checkbox"/> Driller <input type="checkbox"/> Business <input type="checkbox"/> Facility <input type="checkbox"/> Sampler <input type="checkbox"/> Other
Mailing Address	
City State Zip Code	
Other Contact Name (Last, First, MI)	

Well Location		(X) 1/4 1/4 Sec.	
<input checked="" type="checkbox"/> Town <input type="checkbox"/> City <input type="checkbox"/> Village	Fire # (If avail.)	County COUTAGAMIE	Location
DEER CREEK		OR Govt. Lot #	
Grid or Street Address or Road (If avail.)		NW 1/4 of NW 1/4 of Section 24	
Subdivision Name	Lot	Block	
Construction Type		OR	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Dug	Latitude	
<input type="checkbox"/> Driven Point	<input type="checkbox"/> Spring	Longitude	
<input type="checkbox"/> Jetted	<input type="checkbox"/> Other	Land Surface	
	Elevation	ft. MSL	Number of Wells on Property

Construction Date 12/12/1962 <small>m m d d y y y y</small>	Well Use	<input type="checkbox"/> Community-Municipal <input type="checkbox"/> Community-OTM <input type="checkbox"/> Non-Transient Non-Com. <input type="checkbox"/> Transient Non-Com.
Constructor R. J. SCHAFER & SONS	<input checked="" type="checkbox"/> Private Potable <input type="checkbox"/> Priv. Non-Potable <input type="checkbox"/> Monitoring Well	

Source of Well Data			Well Status	
<input checked="" type="checkbox"/> Well Report	<input type="checkbox"/> Owner/Occupant	<input type="checkbox"/> Other*		<input checked="" type="checkbox"/> Active Use
Depth From Land Surface To:	Casing Diameter	Water Bearing Formation		<input type="checkbox"/> Inactive
Bedrock 203 ft	6 in.	<input type="checkbox"/> Unconsolidated		<input type="checkbox"/> Perm Filled
Well Bottom 254 ft		<input type="checkbox"/> Limestone		
Static Water +10 ft		<input checked="" type="checkbox"/> Sandstone		
Casing Bottom 209 ft		<input type="checkbox"/> Shale		
		<input type="checkbox"/> Crystalline		

Comments: eg. Reason for inventory, Samples taken, Directions to property, Details of well location on property.
0116288 Scanned image

*For "Other", enter a description in the comment area if needed.

Property Owner **WAGENSON, GERALD** Telephone Number **715-752-4402**
 Mailing Address **W9047 CTY F**
 City **BEAR CREEK** State **WI** Zip Code **54922**
 County of Well Location **45 OUTAGAMIE** NE Co Well Permit No **W** Well Completion Date **September 13, 1996**

1. Well Location
 T=Town C=City V=Village
T of DEER CREEK Fire# **W9047**
 Street Address or Road Name and Number
CTY F
 Subdivision Name Lot# Block #

Well Constructor **LUISIER WELL DRILLING INC** License # **157** Facility ID (Public)
 Address **7391 S PORCUPINE LAK** Public Well Plan Approval#
 City **LENA** State **WI** Zip Code **54139** Date Of Approval
 Hicap Permanent Well # Common Well # Specific Capacity **0** gpm/ft

Gov't Lot or **SW** 1/4 of **SW** 1/4 of
 Section **24** T **24** N R **15** E

2. Well Type 1 (See item 12 below)
 1=New 2=Replacement 3=Reconstruction
 of previous unique well # _____ constructed in **0**
 Reason for replaced or reconstructed Well?

3. Well Serves # of homes and or
P (eg: barn, restaurant, church, school, industry, etc.) High Capacity:
 Well? **N**
 Property? **N**
 M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

1 1=Drilled 2=Driven Point 3=Jetted 4=Other

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? **Y**
 Well located in floodplain? **N**
 Distance in feet from well to nearest: (including proposed)

1. Landfill	9. Downspout/ Yard Hydrant	17. Wastewater Sump
50 2. Building Overhang	10. Privy	18. Paved Animal Barn Pen
75 3. 1=Septic 2= Holding Tank	11. Foundation Drain to Clearwater	19. Animal Yard or Shelter
300 4. Sewage Absorption Unit	12. Foundation Drain to Sewer	20. Silo
5. Nonconforming Pit	13. Building Drain	21. Barn Gutter
6. Buried Home Heating Oil Tank	1=Cast Iron or Plastic 2=Other	22. Manure Pipe 1=Gravity 2=Pressure
7. Buried Petroleum Tank	14. Building Sewer 1=Gravity 2=Pressure	1=Cast iron or Plastic 2=Other
8. 1=Shoreline 2= Swimming Pool	15. Collector Sewer: ___ units ___ in . diam.	23. Other manure Storage
	16. Clearwater Sump	24. Ditch
		25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From To		Upper Enlarged Drillhole	Lower Open Bedrock
	(ft)	(ft)		
8.8	surface	261	X -- 1. Rotary - Mud Circulation -----	
			-- 2. Rotary - Air -----	
			-- 3. Rotary - Air and Foam -----	
6.0	261	464	-- 4. Drill-Through Casing Hammer	
			-- 5. Reverse Rotary	
			-- 6. Cable-tool Bit _ n. dia -----	
			-- 7. Temp. Outer Casing _ in. dia. ___ depth ft.	
			Removed ?	
			Other	

8. Geology

Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
__CS	SANDY CLAY	0	115
__S	SAND	115	132
__CG	CLAY @ STONES	132	261
__N	SANDSTONE	261	270
__Q	GRANITE	270	464

6. Casing Liner Screen

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6.0	NEW P E 18 97 SAWHILL A53	surface	261

Manufacturer & Method of Assembly

Dia.(in.)	Screen type, material & slot size	From	To

9. Static Water Level
12.0 feet **B** ground surface
 A=Above B=Below

11. Well Is: 12 in. A Grade
 A=Above B=Below
 Developed? **Y**
 Disinfected? **Y**
 Capped? **Y**

10. Pump Test
 Pumping level **360.0** ft. below surface
 Pumping at **1.0** GP M **3.0** Hrs

7. Grout or Other Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
	DRILL CUTTINGS	surface	261.0	

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
 If no, explain

13. Initials of Well Constructor or Supervisory Driller **JM** Date Signed **1/15/97**
 Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed

WISCONSIN UNIQUE WELL NUMBER
Source: WELL CONSTRUCTION **NO542**

State of Wi-Private Water Systems-DG/2 Form 3300-77A
 Department Of Natural Resources, Box 7921 (Rev 02/02)bw
 Madison, WI 53707

Property Owner **DOUGLAS, BRIAN & GWEN** Telephone Number **715-752-3499**
 Mailing Address **N8358 COUNTY ROAD F**
 City **SHIOCTON** State **WI** Zip Code **54170**
 County of Well Location **NE** Co Well Permit No **W** Well Completion Date **July 19, 2000**

1. Well Location
 T=Town C=City V=Village
T of DEER CREEK Fire# **N8358**

Well Constructor **HINTZKE WELL DRILLING INC** License # **267** Facility ID (Public)
 Address **N5072 HINTZKE RD** Public Well Plan Approval#
 City **NEW LONDON** State **WI** Zip Code **54961** Date Of Approval
 Hicap Permanent Well # Common Well # Specific Capacity **.7** gpm/ft

Street Address or Road Name and Number
CTY RD F
 Subdivision Name Lot# Block #

Gov't Lot or **SW** 1/4 of **NW** 1/4 of
 Section **24 T 24 N R 15 E**

3. Well Serves # of homes or **HOME**
P (eg: barn, restaurant, church, school, industry, etc.) High Capacity:
 Well? **N** Property? **N**
 M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

2. Well Type **2** (See item 12 below)
 1=New 2=Replacement 3=Reconstruction
 of previous unique well # _____ constructed in **0**
 Reason for replaced or reconstructed Well?

1 1=Drilled 2=Driven Point 3=Jetted 4=Other

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? **Y**
 Well located in floodplain? **N**
 Distance in feet from well to nearest: (including proposed)

1. Landfill	22 9. Downspout/ Yard Hydrant	17. Wastewater Sump
16 2. Building Overhang	10. Privy	18. Paved Animal Barn Pen
50 3. 1=Septic 2= Holding Tank	11. Foundation Drain to Clearwater	19. Animal Yard or Shelter
75 4. Sewage Absorption Unit	12. Foundation Drain to Sewer	20. Silo
5. Nonconforming Pit	13. Building Drain	21. Barn Gutter
6. Buried Home Heating Oil Tank	1=Cast Iron or Plastic 2=Other	22. Manure Pipe 1=Gravity 2=Pressure
7. Buried Petroleum Tank	44 14. Building Sewer 1 1=Gravity 2=Pressure	1=Cast iron or Plastic 2=Other
8. 1=Shoreline 2= Swimming Pool	15. Collector Sewer: ___ units ___ in. diam.	23. Other manure Storage
	24 16. Clearwater Sump	24. Ditch
		25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft)	To (ft)	Upper Enlarged Drillhole	Lower Open Bedrock
6.0	surface	124	X -- 1. Rotary - Mud Circulation ----- X -- 2. Rotary - Air ----- -- 3. Rotary - Air and Foam ----- -- 4. Drill-Through Casing Hammer -- 5. Reverse Rotary -- 6. Cable-tool Bit n. dia ----- -- 7. Temp. Outer Casing in. dia. ____ depth ft. Removed ? X Other CASING HAMMER	

8. Geology

Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
<u>I</u>	TOPSOIL	0	1
<u>C</u>	CLAY	1	92
<u>Z</u>	CLAY & GRAVEL	92	110
<u>S</u>	SAND	110	124

6. Casing Liner Screen

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6.0	U.S. A53 SAWHILL P.E. #1897 PER. FT. #1700 TEST	surface	120

Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)
6.0	S.S. 15 SLOT	120	124

9. Static Water Level
10.0 feet **B** ground surface
 A=Above B=Below

10. Pump Test
 Pumping level **40.0** ft. below surface
 Pumping at **20.0** GP M **2.0** Hrs

11. Well Is: 24 in. A Grade
 A=Above B=Below
 Developed? **Y**
 Disinfected? **Y**
 Capped? **Y**

7. Grout or Other Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
CASING HAMMER	BAGS BENSEAL	surface		

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? **Y**
 If no, explain

13. Initials of Well Constructor or Supervisory Driller **JJH** Date Signed **7/20/00**
Initials of Drill Rig Operator (Mandatory unless same as above) **JCH** Date Signed **7/20/00**

WISCONSIN UNIQUE WELL NUMBER
Source: WELL CONSTRUCTION **KQ199**

State of Wi-Private Water Systems-DG/2 Form 3300-77A
 Department Of Natural Resources, Box 7921 (Rev 02/02)bw
 Madison, WI 53707

Property Owner **WAGENSON, GERALD** Telephone Number **715 -752 -4402**
 Mailing Address **W9047 COUNTY F**
 City **BEAR CREEK** State **WI** Zip Code **54922**
 County of Well Location **45 OUTAGAMIE NE** Co Well Permit No **W** Well Completion Date **March 8, 1996**

1. Well Location
 T=Town C=City V=Village
T of DEER CREEK Fire# **W9047**
 Street Address or Road Name and Number
CTY F
 Subdivision Name Lot# Block #

Well Constructor **LUISIER WELL DRILLING INC** License # **157** Facility ID (Public)
 Address **7391 S PORCUPINE LAK** Public Well Plan Approval#
 City **LENA** State **WI** Zip Code **54139** Date Of Approval
 Hicap Permanent Well # Common Well # Specific Capacity **gpm/ft**

Gov't Lot or **SW** 1/4 of **SW** 1/4 of
 Section **24 T 24 N R 15 E**

2. Well Type 1 (See item 12 below)
 1=New 2=Replacement 3=Reconstruction
 of previous unique well # _____ constructed in **0**
 Reason for replaced or reconstructed Well?
1 1=Drilled 2=Driven Point 3=Jetted 4=Other

3. Well Serves # of homes and or
P (eg: barn, restaurant, church, school, industry, etc.) High Capacity:
 Well? **N**
 Property? **N**
 M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? **Y**
 Well located in floodplain? **N**
 Distance in feet from well to nearest: (including proposed)

1. Landfill	9. Downspout/ Yard Hydrant	17. Wastewater Sump
50 2. Building Overhang	10. Privy	18. Paved Animal Barn Pen
70 3. 1=Septic 2= Holding Tank	11. Foundation Drain to Clearwater	19. Animal Yard or Shelter
300 4. Sewage Absorption Unit	12. Foundation Drain to Sewer	20. Silo
5. Nonconforming Pit	13. Building Drain	21. Barn Gutter
6. Buried Home Heating Oil Tank	1=Cast Iron or Plastic 2=Other	22. Manure Pipe 1=Gravity 2=Pressure
7. Buried Petroleum Tank	14. Building Sewer 1=Gravity 2=Pressure	1=Cast iron or Plastic 2=Other
8. 1=Shoreline 2= Swimming Pool	15. Collector Sewer: ___ units ___ in . diam.	23. Other manure Storage
	16. Clearwater Sump	24. Ditch
		25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft)	To (ft)	Upper Enlarged Drillhole	Lower Open Bedrock
8.8	surface	118	X - 1. Rotary - Mud Circulation -----	
			-- 2. Rotary - Air -----	
			-- 3. Rotary - Air and Foam -----	
6.0	118	121	-- 4. Drill-Through Casing Hammer	
			-- 5. Reverse Rotary	
			-- 6. Cable-tool Bit _ n. dia -----	
			-- 7. Temp. Outer Casing _ in. dia. ___ depth ft. Removed ?	
			Other	

8. Geology

Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
<u> </u> S SAND		0	23
<u> </u> C CLAY		23	115
<u> </u> S SAND		115	121

6. Casing Liner Screen

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6.0	NEW P E 18 97 SAWHILL A 53	surface	118
	Manufacturer & Method of Assembly		
Dia. (in.)	Screen type, material & slot size	From	To
5.0	15 SLOT SCREEN	118	121

9. Static Water Level
20.0 feet **B** ground surface
 A=Above B=Below

10. Pump Test
 Pumping level **115.0** ft. below surface
 Pumping at **5.0** GP M **3.0** Hrs

11. Well Is: 12 in. A Grade
 A=Above B=Below
 Developed? **Y**
 Disinfected? **Y**
 Capped? **Y**

7. Grout or Other Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
	DRILL CUTTINGS	surface	118.0	

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
 If no, explain

13. Initials of Well Constructor or Supervisory Driller **JM** Date Signed **3/19/96**
 Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed

WISCONSIN UNIQUE WELL NUMBER
Source: * WELL CONSTRUCTION

AV380

State of Wi-Private Water Systems-DG/2
 Department Of Natural Resources, Box 7921
 Madison, WI 53707

Form 3300-77A
 (Rev 02/02)bw

Property Owner **BILL BUCK** Telephone Number **715 -752-4244**

Mailing Address **ROUTE 1**

City **SCHIOCTON** State **WI** Zip Code **54170**

County of Well Location **45 OUTAGAMIE NE** Co Well Permit No **W** Well Completion Date **November 9, 1988**

1. Well Location
 T=Town C=City V=Village
T of DEER CREEK Fire#

Street Address or Road Name and Number
BUCK ROAD

Subdivision Name Lot# Block #

Well Constructor **DILLENBURG DANIEL** License # **196** Facility ID (Public)

Address **RT 3 BOX 247** Public Well Plan Approval#

City **SHAWANO** State **WI** Zip Code **54166** Date Of Approval

Hicap Permanent Well # Common Well # Specific Capacity **gpm/ft**

Gov't Lot or **SE** 1/4 of **NW** 1/4 of
 Section **24 T 24 N R 15 E**

3. Well Serves # of homes and or **P** High Capacity: Well? **N** Property? **N**
 (eg: barn, restaurant, church, school, industry, etc.)

M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

2. Well Type **2** (See item 12 below)
 1=New 2=Replacement 3=Reconstruction
 of previous unique well # _____ constructed in **88**

Reason for replaced or reconstructed Well?
DRY

1 1=Drilled 2=Driven Point 3=Jetted 4=Other

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties?
 Well located in floodplain? **N**
 Distance in feet from well to nearest: (including proposed)

1. Landfill	9. Downspout/ Yard Hydrant	17. Wastewater Sump
37 2. Building Overhang	10. Privy	18. Paved Animal Barn Pen
69 3. 1=Septic 2= Holding Tank	11. Foundation Drain to Clearwater	19. Animal Yard or Shelter
76 4. Sewage Absorption Unit	12. Foundation Drain to Sewer	20. Silo
5. Nonconforming Pit	13. Building Drain	21. Barn Gutter
6. Buried Home Heating Oil Tank	1=Cast Iron or Plastic 2=Other	22. Manure Pipe 1=Gravity 2=Pressure
7. Buried Petroleum Tank	14. Building Sewer 1=Gravity 2=Pressure	1=Cast iron or Plastic 2=Other
8. 1=Shoreline 2= Swimming Pool	15. Collector Sewer: ___ units ___ in . diam.	23. Other manure Storage
	16. Clearwater Sump	24. Ditch
		25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft)	To (ft)	Upper Enlarged Drillhole	Lower Open Bedrock
9.0	surface	210	X -- 1. Rotary - Mud Circulation ----- X -- 2. Rotary - Air ----- -- 3. Rotary - Air and Foam ----- -- 4. Drill-Through Casing Hammer -- 5. Reverse Rotary -- 6. Cable-tool Bit _ n. dia ----- -- 7. Temp. Outer Casing _ in. dia. ____ depth ft. Removed ? Other	

8. Geology

Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
<u> </u> C	CLAY	0	30
<u> </u> S	SAND	30	33
<u> </u> CG	CLAY @ STONES	33	205
<u> </u> G	GRAVEL	205	210

6. Casing Liner Screen Material, Weight, Specification From To
 Dia. (in.) Manufacturer & Method of Assembly (ft.) (ft.)

6.0	ASTM A53 1897 SOMITONO WELDED	surface	210
-----	-------------------------------	---------	-----

9. Static Water Level **12.0** feet **B** ground surface
 A=Above B=Below

10. Pump Test
 Pumping level **60.0** ft. below surface
 Pumping at **65.0** GP **2.0** Hrs

11. Well Is: 20 in. A Grade
 A=Above B=Below
 Developed? **Y**
 Disinfected? **Y**
 Capped? **Y**

7. Grout or Other Sealing Material

Method	From (ft.)	To (ft.)	# Sacks Cement
CIRCULATION			
Kind of Sealing Material			
DRILLING MUD	surface	210.0	

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? **Y**
 If no, explain

13. Initials of Well Constructor or Supervisory Driller **DD** Date Signed **12/20/88**
 Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed **12/20/88**

Search Instructions	Search by Site, Owner, or Tank Characteristics	Search by Tank ID
-------------------------------------	--	-----------------------------------

Tank Detail

Site and Owner

Site Info

Facility ID: 116668
 N8446 CNTY F
 SHIOCTON
 Landowner Type: Private

County & Municipality

County: 44 - OUTAGAMIE
 Village of SHIOCTON
 Fire Dept ID: 4419 - Bear Creek

Owner

ID: 350867
 PAT MCCLONE
 210 PARK LN
 CLINTONVILLE WI 54929

Site Anniversary Date: Dispensers have Sumps: Unknown

Underground Storage Tank - ID: 317689, Wang ID: 441900094, Closed/Removed as of 08/15/1987

Install Date:	Capacity in Gallons:	275	Contents:	Leaded Gasoline
Tank Occupancy:	Agricultural Marketer:	N	CAS Number:	
Federally Regulated:	N	Spill Protection:	Required - Not Installed	Overfill Protection: Required - Not Installed
Overfill Prot Type:	- None -	Containment Sump Installed:	Unknown	
Corrosion Protect Type:		Date of Lining:	Lining Inspected Date:	
Leak Detection:	Unknown	Cath Test Date:	Cath Expire Date:	
Leak Test Meth:		Leak Expire Date:	Leak Test Date:	
Construction Material:	Unknown	Wall Size:	Single	Underground Piping: Y
Close Order Date:		Close Order By:		

Piping - Closed/Removed

Flex Connectors:	UST mainfolded:	Related Tank ID:
Type:	Aboveground Piping:	Aboveground Pipe Construction:
Construction Material:	Unknown	Leak Detection: Unknown
Cath Test Date:	Cath Expire Date:	Leak Test Meth:
Leak Test Date:	Leak Expire Date:	Pipe Wall Size: Single
Catastrophic Leak Detection:	Cat Leak Test Date:	Piping System Type: Unknown

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date Fiscal Yr
-----------------	-------------	---------------	-----------------------

** No inspections for this tank **



[Close this response window](#)

This document was last revised: February 2010

Wisconsin Department of Safety and Professional Services

Print

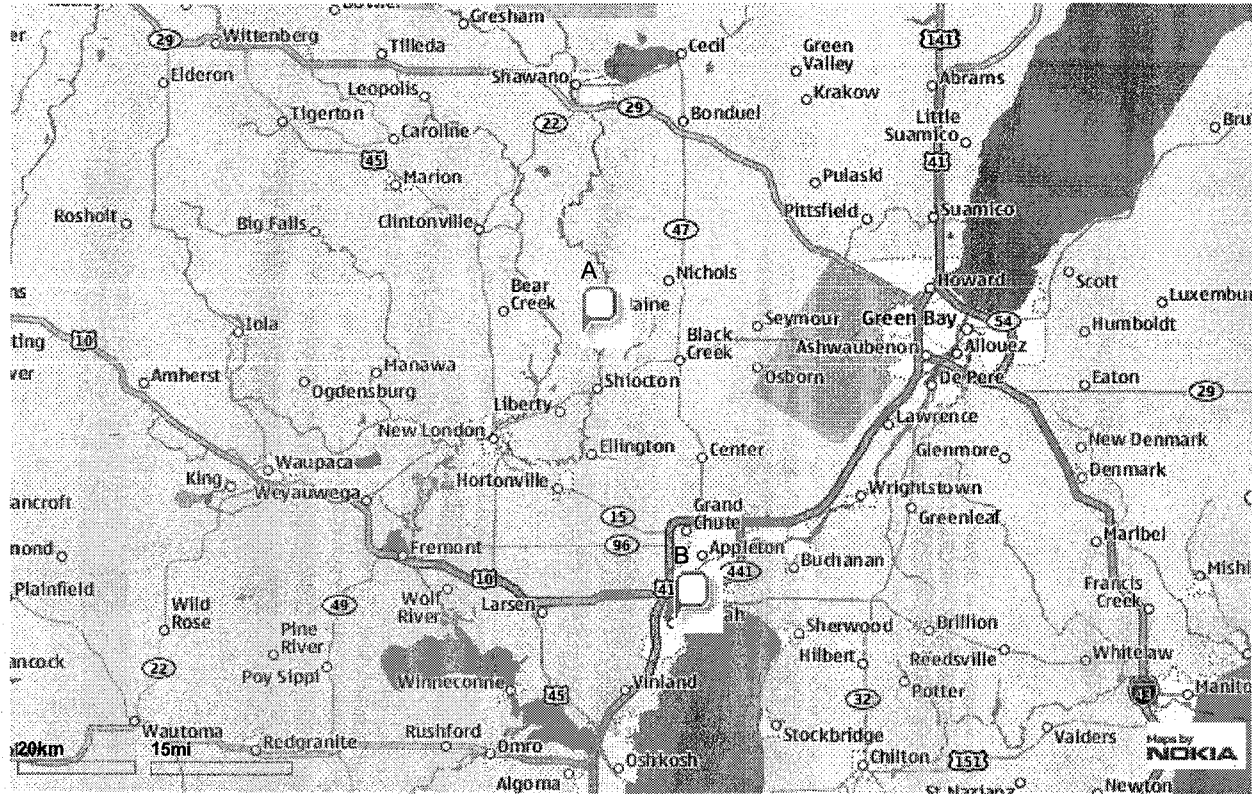
Map & Directions | Map Only | Directions Only

YAHOO! MAPS

Driving directions to 3369 W Brewster St, Appleton, WI

54914-1602

Distance: 29.47 miles — Time: 40 mins



A N8446 CR-F, Shiocton, WI 54170

1. 1. Head toward **Hanson Rd** on **Cr-I**. Go for 1.5 mi. ➡
2. 2. Turn **L** onto **Cr-F**. Go for 1.7 mi. ➡
3. 3. Turn **R** onto **WI-187**. Go for 2.9 mi. ➡
4. 4. Turn **L** onto **Deer View Rd (Cr-G)**. Go for 4.9 mi. ➡
5. 5. Turn **R** onto **WI-47**. Go for 7.8 mi. ➡
6. 6. Bear **R** onto **Cr-A S**. Go for 9.1 mi. ➡
7. 7. Turn **R** onto **W Northland Ave (Cr-Oo)**. Go for 0.5 mi. ➡
8. 8. Turn **L** onto **N Bluemound Dr (Cr-Aa)**. Go for 0.9 mi. ➡
9. 9. Turn **R** onto **W Brewster St**. Go for 377 ft. ➡
- 10.10. Your destination on **W Brewster St** is on the **left**. The trip takes **29.5 mi** and **40 mins**. ➡

B 3369 W Brewster St, Appleton, WI 54914-1602

When using any driving directions or map, its a good idea to double check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning

Heinen, Elizabeth M - DNR

From: Sturm, Thomas J - DNR
Sent: Tuesday, January 17, 2012 10:42 AM
To: Heinen, Elizabeth M - DNR
Subject: Tank/Cleanup/PECFA Info

Attachments: ER-PECFA-ERS10083(Info)_REV_7-11.pdf



ER-PECFA-ERS1008
3(Info)_REV_7-...

Hi Liz:

For questions on PECFA, have them contact Tom Versteegen (920-424-0025) or Beth Erdman at 920-303-5410) at Dept. of Safety and Professional Services (formerly Commerce). I was looking at the PECFA information and there are some caveats regarding farm tanks so they should get a hold of Tom or Beth for clarification.

If the results come back positive, they will need to report the release to Diane. A responsible party letter will be issued indicating what needs to be done and will include information regarding consultants etc. They should contact me and I can assist them with the process.

Thanks --Tom

P Tom Sturm
Hydrogeologist
Bureau of Remediation and Redevelopment
Wisconsin Department of Natural Resources
647 Lakeland Rd.
Shawano, WI 54166
(* phone: 715-526-4230
(* fax: 715-524-3214
(* e-mail: Thomas.Sturm@wisconsin.gov

Heinen, Elizabeth M - DNR

From: Sturm, Thomas J - DNR
Sent: Tuesday, January 17, 2012 8:54 AM
To: Masten, Carla M.; Anderson, Wendy D - DNR; Heinen, Elizabeth M - DNR
Subject: RE: Gas in well in Outagamie County

Attachments: 20120117083348026.pdf



2012011708334802
6.pdf (89 KB)

There was a tank associated with the site however given the date of the abandonment (1987) a site assessment was not required and it is doubtful that one was performed. There are no active or closed cleanup cases in the vicinity.

From: Masten, Carla M. [mailto:Carla.Masten@outagamie.org]
Sent: Monday, January 16, 2012 07:33 AM
To: Anderson, Wendy D - DNR; Sturm, Thomas J - DNR; Heinen, Elizabeth M - DNR
Subject: RE: Gas in well in Outagamie County

Please confirm but I have the address at:

N8446 Cty Road F
Shiocton 54170

Thanks.

Carla Masten
Outagamie County LCD
p. 920-832-5073
f. 920-832-4783
carla.masten@outagamie.org

From: Anderson, Wendy D - DNR [mailto:Wendy.Anderson@Wisconsin.gov]
Sent: Friday, January 13, 2012 3:47 PM
To: Sturm, Thomas J - DNR; Heinen, Elizabeth M - DNR
Cc: Anderson, Wendy D - DNR; Masten, Carla M.
Subject: Gas in well in Outagamie County

Tom and Liz,

Carla Masten at Outagamie County Land Conservation called me at 3:00 today to ask if I could call a resident who is having well problems.

Carla explained that Kelly Radke had called her today asking for help. She has a house and farm and the water in the barn has been smelling like gasoline for the last two weeks. In the last day or two, the odor has gotten really bad. Kelly also told Carla that she has had a couple of Llamas die and the dog is in kidney failure. She said that she thinks there's only one well and pressure tank, but there is a line that goes out to the barn. She also mentioned that a few years ago they dug up the line because they were running water elsewhere and they noticed gasoline odor in the hole they dug, but they never ran into a tank. ←

I called Kelly Radke back at 715-752-4866 and suggested that she call a certified laboratory and get a VOC sample kit. She has the numbers for Badger and Clean Water Testing. I told her to collect the sample from the barn spigot and I recommended that she and her animals drink bottled water until she knows for sure what the problem is. I also told her that Monday is a holiday so no one from the DNR will be available and she should consider this when she collects her sample.

She also mentioned that she has to have her well tested every year because she is a licensed foster care home.

I gave her both of your names and numbers and suggested that she call once she got the results back. I'm sorry I didn't think to ask for her address and when I called back no one answered. Tom, I thought you might want contact her for her address and then check BRRTs and or the tank database to see if there is a tank there.

Thanks.

Wendy Anderson, P.E.

Water Supply Engineer

Drinking Water and Groundwater

Wisconsin Department of Natural Resources

2984 Shawano Avenue

Green Bay, WI 54313-6727

(920) 662-5414 office

(920) 662-5498 fax

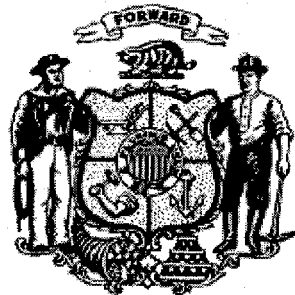
Wendy.Anderson@wi.gov



<http://dsps.wi.gov/>

*PETROLEUM
ENVIRONMENTAL CLEANUP
FUND AWARD*

INFORMATION ABOUT PECFA
REIMBURSEMENT



PECFA PROGRAM ELIGIBILITY

The State of Wisconsin does not discriminate on the basis of disability in the provision of services or in employment. If you need this printed material interpreted or in a different form, or if you need assistance in using this service, please contact us. Deaf, hearing or speech impaired callers may reach us through the Wisconsin Telecommunication Relay System (WI TRS).

Please Note: This brochure is for informational purposes only and does not provide complete detail of all requirements necessary for PECFA reimbursement. Please refer to Comm 47 W.A.C. and 101.143 Wis. Stats. for further information.

WHO MAY SUBMIT A CLAIM?

The responsible party, owner or operator, agent or an assignee may submit a claim.

If the responsible party is not the sole owner of the site, an Owner Assignment Certification Form 5 (ERS-8070) shall be filed with the department to establish one entity to submit the claim and received the award.

The owner may, with the Department's written approval, designate an "agent". The agent must agree to complete and pay for the remediation up to the point of closure, natural attenuation monitoring, operation and maintenance of a treatment system or long term monitoring. Both the owner and agent submit the claim and the award is made payable to both.

CLAIM REQUIREMENTS

To submit a claim, the claimant must do the following:

1. Register the petroleum product storage system or the home oil tank system with the Department. Any petroleum product storage tank system larger than 60 gallons must be registered with the Department.
2. Report the discharge immediately to the DNR or the Division of Emergency Government in the Department of Military Affairs.
3. The consultant must conduct the DNR required site investigation.
4. Usual & Customary costs (Comm 47.325) apply to all occurrences previously or newly reported to the DNR, for work performed after May 1, 2006 except for:
 - Work performed under a previously established cap under 101.143(3) (cp).
 - Work performed as part of an emergency action, within initial 72 hours after the onset of the need for the action.
 - Work performed for home oil tank systems.
5. If the total cost for site cleanup will exceed \$60,000 the Department will use the public bidding process to assist in establishing a cost cap to site closure.
6. Once the Department establishes a cap on total costs they will notify the owner. The claimant will also be provided an approval to submit their claim for investigation costs. The Department may elect to bundle the site with other remedial efforts in the area in order to obtain lower remediation costs.

- (NOTE: Bundling means the process of providing investigation or remedial action services, or both, across multiple occurrences while utilizing one consulting firm or common commodity services and providers, or both, to reduce total remediation cost.)
- If a bundle is constructed or a bid is conducted and the claimant elects not to use the lowest cost approach, claimant reimbursement will be limited to the lowest bid/bundle cost.

7. The maximum allowable cost for a site investigation and the development of the remedial action plan is \$20,000. If the site investigation is anticipated to exceed the \$20,000 cap, written approval from the Department shall be obtained prior to incurring any costs above \$20,000; notification to the owner shall be made before the owner has incurred liabilities above the \$20,000 maximum.
8. If an applicant does not complete the investigation of the petroleum product discharge by the first day of the 61st month after the month in which the applicant notified the department under 101.143(3) (a) 3. or October 1, 2003, whichever is later, interest costs incurred by the applicant after the later of those days are not eligible costs.
9. Consultant shall submit notification to the Department, no later than 14 days after execution or termination of a written contract with a responsible party for investigating a discharge from a petroleum product storage system, per Comm 47.60.
10. Consultants shall periodically submit reports to the department to inform the department of the consulting firm's progress; Per Comm 47.62, 47.70 or 47.71.
11. Commodity bidding is not required where a reimbursement amount is determined either by the Usual & Customary cost schedule or by the public bidding process.
12. Initiate a claim by filling out an "Initial Claim" form that you can obtain by calling (608) 264-8765, or by downloading from the PECFA web site at: <http://dsps.wi.gov/er/ER-PECFA-Home.html> or by writing to:

BUREAU OF PECFA
PO BOX 7838
MADISON WI 53707-7838

PECFA PROGRAM ELIGIBILITY

WHAT TANKS ARE INCLUDED IN THE PROGRAM?

Coverage under the PECFA program includes petroleum product storage tank systems defined as those containing gasoline, gasoline-alcohol fuel blends, kerosene, fuel oil, burner oil, diesel fuel, and used motor oil. Many underground and aboveground storage systems, including any on-site integral piping and dispensing systems, are covered. Specifically, the following systems are covered under COMM 47.02 Coverage:

- (a) Commercial tank systems larger than 110 gallons capacity.
- (b) Heating oil tank systems where the product is sold.
- (c) Farm and residential tank systems larger than 1,100 gallons capacity and not storing heating oil for consumptive use on the premises.
- (d) Tank systems storing gasoline, diesel fuel, or other vehicle fuels, other than residential tanks of 1,100 gallons or less capacity.
- (e) Farm vehicle fuel systems of 1,100 gallons or less capacity, which meet additional statutory requirements regarding farm size and farm income, and are used to store products not for resale.
- (f) Heating oil tank systems owned by public school and technical college districts, supplying heating oil for consumptive use on premises.
- (g) Tank systems located on Trust Lands of an American Indian Tribe if the owner or operator's tank system would be otherwise covered under (a) through (f) and the owner or operator complies with the rules promulgated in COMM 47 and COMM 10 and obtains all applicable agency approvals.
- (h) Home heating oil tank systems provided the claims are for underground tank systems and the persons comply with rules promulgated in COMM 47 and COMM 10.

Please see page 8 for actual maximum awards and deductibles for the eligible tank system listed.

Changes in the PECFA statute have also limited coverage for certain new and upgraded underground tank systems. Page 9 explains the eligibility and insurance requirements for the new and upgraded tank systems. Please refer to Comm 47.02(4) for an explanation of coverage from both eligible systems and excluded systems at the same site.

WHAT COSTS ARE ELIGIBLE?

The following is a partial list of items eligible for reimbursement. Although the final determination of eligibility is made at the time of claim review, this list is a good guide for claimants.

Note: As of May 1, 2006, costs for work performed must adhere to the Usual & Customary Cost Schedule (COMM 47.325) or have been approved through the Competitive Public Bidding process (COMM Subchapter VI).

1. Investigation of potential sources of petroleum contamination.
2. Preparation of a remedial action plan.
3. Laboratory services for testing specific to this chapter, including full VOC testing.
4. Investigation and assessment for the degree and extent of contamination.
5. Removal of contaminated soils.
6. Costs of equipment mobilization
7. Removal of petroleum products from surface water, groundwater and soil.
8. Treatment and disposal of contaminated soils.
9. Monitoring to establish existence of natural cleanup progress.
10. Charges for maintenance of equipment used for petroleum products recovery and remedial action.
11. State or municipal permits for installation of remedial equipment.
12. Actual costs for the purchase or rental of temporary building structures to house remedial equipment.
13. Restoration or replacement of a private or public potable water supply.
14. Contractor or subcontractor costs for remedial action.
15. Fees up to \$500 for progress payment or final claim preparation.
16. Compensation to third parties for bodily injury and property damage due to a petroleum product discharge from underground storage tank systems.

WHAT COSTS ARE IN-ELIGIBLE?

The following is a partial list of items in-eligible for reimbursement. Although the final determination of eligibility is made at the time of claim review, this list is a good guide for claimants.

1. Any costs submitted without absolute proof of payment at time of claim submittal.
2. Overtime labor charges, except for Department approved emergency actions.
3. Costs for cleanups from a non-residential heating or boiler tank system and discharges from mobile fueling tanks or vehicle fuel storage tanks.
4. Used oil remediation costs not from internal combustion engines.
5. Costs associated with environmental audits, real estate transaction, construction projects, or long-term loan transactions.
6. Costs for investigations to locate petroleum product storage systems or home oil systems to determine if a tank is eligible for PECFA.
7. Costs incurred after DNR or DSPS determines no further action is needed, except for abandonment of monitoring wells and site closure.
8. Costs not integral to the remediation of a petroleum product discharge.
9. Incompetent or ineffective clean-up costs which were not based upon sound professional and scientific judgment.
10. Costs of redoing incomplete or incompetent remedial action work.
11. Costs or rework on remedial action sites or systems to accommodate construction upgrades, retrofits, or redevelopment projects.
12. Costs above those necessary to bring a site to the required level of remediation.
13. Costs to fix or replace damaged buildings, sewer lines, water lines, electrical lines, phone lines, fiber optic lines, or other utilities on the property.
14. Costs of reinstalling damaged remedial equipment and reinstalling or modifying remedial equipment for purposes other than effective remediation.
15. Interest costs accrued due to improper or incomplete filing of claims or a lack of response to Department requests for additional information, except if delayed by DNR or DSPS processes.
16. Late service fees or costs related to invoices or bills for which payment verification is unobtainable.
17. Costs for sampling and testing for heavy metals, except lead when the discharge is from a leaded gasoline system or lead and cadmium when the source is used motor oil.
18. Costs associated with the analysis of inappropriate constituents not associated with an eligible petroleum product.
19. Costs for remedial action activities funded under 42 US 6991, unless the owner or operator or the person owning the home oil tank system repays the funds provided under 42 USC 6991.
20. Expenditures required by the DNR or the Department in order to meet the groundwater protection standard, ch. 160 Stats. ch. COMM 10 or other administrative rules but not related to a petroleum product discharge under this chapter.
21. Costs associated with the loss of business.
22. Costs associated with the loss of interest or dividends, or interest costs from a loan other than for remediation.
23. Costs associated with the closure of a tank system.
24. Costs associated with tank closure assessments.
25. Costs of removing tank systems that have previously been closed in-place with inert materials, sand, pea gravel, water, or other substances.
26. Costs associated with the abandonment of wells not related to the remedial action.
27. Costs, other than costs for compensating third parties for bodily injury and property damage, which the Department determines to be unreasonable or unnecessary to carry out the remedial action activities.
28. Costs associated with third-party actions by adjoining property owners for the installation of monitoring wells or other clean-up related items unless a court judgment has been obtained.
29. Costs associated with third-party damages from a discharge originating from an aboveground storage tank.
30. Attorney fees associated with third-party actions.
31. Any costs associated with an appeal of a determination specific to the scope of COMM 47.
32. Attorney fees including, but not limited to, legal advice, appeals, or other representation on behalf of the responsible party or agent.
33. Supervisory or management costs when a municipality or company uses its own personnel or personnel from a wholly or partially owned subsidiary for remedial activities.
34. Costs for supervisory or management activities conducted by owners or operators.
35. Costs for right-of-entry or trespass fees.
36. Separate vehicle and mileage costs.

PECFA COVERAGE FOR NEW AND UPGRADED SYSTEMS

TANK SYSTEM TYPE:	SITE CONDITION:	OLD CONTAMINATION COVERED?	INSURANCE REQUIRED FOR:	INSURANCE WHEN?
NEW <u>UNDERGROUND</u> SYSTEM	CLEAN OR CONTAMINATED	YES, IF CONTAMINATION CONFIRMED BEFORE 1/1/96	NEW RELEASES FROM SYSTEM AFTER 1/1/96	REQUIRED 1/1/96
UPGRADED <u>UNDERGROUND</u> SYSTEM (see note 1)	CONTAMINATED AT TIME OF UPGRADE	YES, IF CONTAMINATION CONFIRMED BEFORE UPGRADE IS COMPLETED OR BEFORE 1/1/96	NEW RELEASES FROM SYSTEM WHEN CONFIRMED AFTER BOTH UPGRADE AND 1/1/96	REQUIRED ON 1/1/96, IF UPGRADED BEFORE THAT DATE, OR AFTER UPGRADE IF WORK IS COMPLETED AFTER 1/1/96 (see note 2)
UPGRADED <u>UNDERGROUND</u> SYSTEM (See note 1)	CLEAN AT TIME OF UPGRADE	NOT APPLICABLE	NEW RELEASES FROM SYSTEM WHEN CONFIRMED AFTER BOTH UPGRADE AND 1/1/96	REQUIRED ON 1/1/96, IF UPGRADED BEFORE THAT DATE, OR AFTER UPGRADE IF WORK IS COMPLETED AFTER 1/1/96 (see note 2)
NEW <u>ABOVEGROUND</u> SYSTEM	CLEAN OR CONTAMINATED	YES, IF CONTAMINATION CONFIRMED BEFORE 12/23/2001	INSURANCE IS NOT MANDATED, BUT NEW RELEASES FROM SYSTEM WHEN CONFIRMED AFTER 12/22/2001 WILL BE THE RESPONSIBILITY OF THE OWNER	
UPGRADED <u>ABOVEGROUND</u> SYSTEM	CLEAN AT TIME OF UPGRADE	NOT APPLICABLE	INSURANCE IS NOT MANDATED BUT NEW RELEASES FROM SYSTEM WHEN CONFIRMED AFTER 12/22/2001 WILL BE THE RESPONSIBILITY OF THE OWNER	
UPGRADED <u>ABOVEGROUND</u> SYSTEM	CONTAMINATED AT TIME OF UPGRADE	YES, IF CONTAMINATION CONFIRMED BEFORE UPGRADE IS COMPLETED	INSURANCE IS NOT MANDATED BUT NEW RELEASES FROM SYSTEM WHEN CONFIRMED AFTER 12/22/2001 WILL BE THE RESPONSIBILITY OF THE OWNER	

NOTE 1: An upgraded system, by definition is a system that has all of the following: Corrosion protected tank(s), Corrosion protected line(s), Spill containment devices, and Overfill devices.

NOTE 2: If a system is upgraded after 12/31/93, and the owner or operator applies for private insurance within 30 days, a 90 day tail on PECFA coverage is provided for the upgraded system(s).

Petroleum Environmental Cleanup Fund Award (PECFA) Program – Maximum Awards, Total Annual Awards and Deductibles

Type of Tank	Owner	For Sites where the investigation is started before 12/22/2001			For Sites where the investigation is started on or after 12/22/2001		
		Maximum Award Per Occurrence	Total Annual Awards	Deductible ⁽²⁾	Maximum Award Per Occurrence	Total Annual Awards	Deductible ⁽²⁾
Home Heating Oil	All	\$7,500	N/A	25% of eligible costs ⁽³⁾	No Change	No Change	No Change
Under-ground	Non-Marketer (the system does not store products for resale and handles 10,000 or less gallons per month)	\$500,000	\$1,000,000 ⁽⁴⁾	\$2,500 plus 5% of eligible costs, but not more than \$7,500 per occurrence. For claims where an acceptable RAP is received on or after 11/1/99. The deductible is \$2500 plus 5%. ⁽⁶⁾	\$190,000	\$190,000	\$10,000 per occurrence
Under-ground	Marketer (the system stores products for resale) or Non-marketer with system that handles more than 10,000 gallons per month	\$1,000,000	\$1,000,000 ⁽⁴⁾	\$2,500 plus 5% of eligible costs, but not more than \$7,500 per occurrence. For claims where an acceptable RAP is received on or after 11/1/99. The deductible is \$2500 plus 5%. ⁽⁶⁾	\$190,000	\$190,000	\$10,000 per occurrence
Above-ground	The system does not store products for resale and handles 10,000 or less gallons per month	\$500,000	\$1,000,000 ⁽⁴⁾	\$15,000 plus 2% of eligible costs over \$200,000 ⁽⁵⁾	\$190,000	\$190,000	\$10,000 per occurrence
Above-ground	The system stores products for resale or handles more that 10,000 gallons per month	\$1,000,000	\$1,000,000 ⁽⁴⁾	\$15,000 plus 2% of eligible costs over \$200,000 ⁽⁵⁾	\$190,000	\$190,000	\$10,000 per occurrence
Farm	Underground and aboveground vehicle fuel systems of 1,100 gallons or less storing products not for resale	\$100,000	\$100,000	\$2,500 plus 5% of eligible costs, but not more than \$7,500 per occurrence	No Change	No Change	No Change
Public School District and Technical College District	Heating oil for consumptive use on premises	\$190,000	\$190,000	25% of eligible costs	No Change	No Change	No Change

- (1) Maximum award in effect before December 22, 2001, applies to all eligible costs for investigations and remedial activities started before December 22, 2001.
- (2) DSPS may waive the deductible if it determines that the owner or operator is unable to pay. If DSPS waives the deductible DSPS shall file a lien against the property until the lien is paid.
- (3) Nonprofit housing organizations are exempt from paying the deductible for tanks owned by the organization if they assist low-income persons with housing related problems.
- (4) \$2,000,000 maximum annual award if the claimant owns or operates more that 100 petroleum product storage tank systems.
- (5) For a "terminal" (a petroleum product storage system that is connected to a pipeline facility), the deductible is \$15,000 plus 5% of the amount by which eligible cost exceed \$200,000. For a terminal where the RAP is received after 11/1/99 the deductible is \$15,000 plus 10% of the amount by which eligible costs exceed \$200,000.
- (6) The change in deductible first applies to a person who submits a remedial action plan that is acceptable to DSPS or DNR on November 1, 1999.

CLAIM SUBMITTAL MILESTONES

WHEN CAN A CLAIM BE SUBMITTED?

Claims may be submitted after certain milestones are reached per Comm 47.355 Award payments for claims received by the Department on or after April 21, 1998.

1. Completion of a Department approved emergency action.
2. After completion of an investigation and receipt of written approval by the department to submit the investigation claim.
3. Approval of a closed remedial action or no further action.
4. Approval of natural attenuation as a final remedial response or at the end of each one-year cycle of the monitoring necessary to show that remediation by natural attenuation will occur.
5. At the end of each one-year cycle of monitoring required for off-site contamination.
6. After implementation and 1 year of actual operation, or monitoring, or combination thereof, and every 1 year thereafter.
7. For sites selected by the department for progress payments based upon extreme life safety and environmental risk and where the claimant has demonstrated to the department's satisfaction that he or she does not have the financial means to conduct a remediation without progress payments: the department shall be the sole determiner of whether progress payments are to be allowed, and an appeal of the decision to the department is not allowed.

Other interim payments-47.355(2) (d)-The department shall also make awards at the following points:

1. When a lender terminates a funding relationship with a claimant and requests reimbursement for the funds expended.
2. When a claimant has incurred eligible expenses equal to the occurrence maximum plus the applicable deductible.
3. When the conditions prescribed in s. 101.143(4) (a) 2.b. Stats, occur. The Department shall issue an award if the owner or operator or the person has incurred at least \$50,000 in unreimbursed eligible costs and has not submitted a claim during the previous 12 months. This **INCLUDES** owners or operators who meet the test of self-insurance under Comm 10.82.
4. Where there is a change in responsible party, if the previous responsible party files a claim.

5. When there is a change in consulting firms working on the project.
6. Where there is a change in lenders for the project.
7. When the department directs filing a claim, in an effort to reduce interest costs to the program.

Penalty for not submitting a required claim-47.355(2) (e)-If a claim submittal that is directed under par. (d)7. is not submitted within 120 days of receiving written notification of that directive, any interest expense beginning on the 121st day and extending until the department receives the claim, is not eligible.

Priority Processing-47.355(3):

(a) Department approved Emergency Actions

(b) Cost-effective remediations:

1. Tanks for schools, farms & home oil tanks.
2. Closed remedial action that is achieved at a total cost of \$60,000 or less, excluding interest.
3. A claim for a petroleum product storage system which is owned by a school district and which is used for storing heating oil for consumptive use on the premises where stored.

COMPETITIVE PUBLIC BIDDING

The following is a brief guideline that describes the competitive public bidding process. See Comm 47 Subchapter VI for specific requirements regarding the public bidding process.

1. Consulting firm required to notify PECFA within 14 days of executing or terminating a contract; Comm 47.60.
2. If contract is terminated, Responsible Party must execute another contract or request an extension within 60 days; if RP does not comply with either requirement, interest is not eligible.
3. Consultant must complete progress reports, in a format prescribed by the Department, to inform the Department of progress & estimated costs of work to complete site investigation; Comm 47.62
4. Consultant shall file with the Department, a notice of completion of an investigation by the end of the calendar month that follows the firm's development of all data necessary to define either the remediation target or scope of remediation; Comm 47.62(4).
5. Assignment to public bidding per Comm 47.623: If the Department or DNR determines that the cost to complete a site investigation and remedial action will exceed \$60,000 excluding interest, it shall be subject to the public bidding process in s. Comm 47.68.
6. Whenever the Department notifies an RP & the consultant that an occurrence is subject to public bidding per 47.68, a claim for eligible costs shall be submitted no later than 120 days after the Department's notice. Failure to submit a claim shall result in the ineligibility of interest incurred between the date of the notice and the date a claim is filed. Comm 47.625(1) & 47.625(3) (a).
7. Whenever a consulting firm completes a scope of work designated by the department, a claim for eligible costs incurred shall be submitted to the department no later than 120 days after completing that work. Failure to submit a claim shall result in the ineligibility of interest incurred between the date of the completion of the scope of work and the date a claim is filed. Comm 47.625(2) & 47.625(3) (b).
8. An occurrence may be exempt from the public bidding process if work performed is part of an emergency action, bidding is not cost effective, or an alternative acceptable bidding process has been used; Comm 47.63.
9. The Department may disqualify from public bidding any individual or firm that has failed to meet any of the requirements in Comm 47.67.
10. After the Department provides notification under 47.68(7) (b), the RP shall execute a written contract no later than 60 days, with one of the firms that submitted a bid under 47.38(2) to perform the work. Failure to execute a contract shall result in the ineligibility of interest from the date of the notification until a contract is executed; Comm 47.69.
11. The consulting firm holding the contract required in s. Comm 47.69(1) (a) shall report to the department, in a format prescribed by the department, the progress toward completing the scope of work defined in the bid specifications. Comm 47.70.

PENALIZED IN-ELIGIBLES

The following list contains items considered to be grossly ineligible for reimbursement per Comm 47.30(3)

An award for a claim which includes any costs in Comm 47.30(3)(b) and which was prepared and submitted by an owner or operator or person owning a home oil tank system shall be reduced to exclude those costs, and shall then be further reduced by 50 percent of the total amount of those costs.

A consultant who prepares a submitted claim that includes any costs in 47.30(3)(b), shall pay to the department an amount equal to 50 percent of the total amount of those costs, and the award for the claim shall be reduced to exclude those costs.

1. Costs incurred on or before August 1, 1987, for a remediation.
2. Costs for cleanup resulting from spills from petroleum transportation equipment.
3. Costs for investigations or remedial action activities conducted outside the state of Wisconsin.
4. Tank emptying, cleaning, disposing, removing, and closing costs after November 1, 1991.
5. Laboratory rush charges, unless related to an approved emergency action.
6. Air travel.
7. Costs associated with tank-system upgrades or retrofits, and any corresponding compliance with other state or federal rules or laws, and future business plans.
8. Costs for repairing, retrofitting, or replacing a petroleum product storage system or home oil tank system, such as for tank bedding materials or fill for setting tanks, lines, or canopies.
9. Costs associated with capital improvements, reinstallation of electrical power, dispensers, pumps, or other items for retrofits, upgrades, or new construction, unless written department approval is received prior to performance of the corresponding work.
10. Costs associated with concrete, blacktop replacement, on-site landscaping, or other improvements: except for depreciation costs for third-party actions, or for asphalt or concrete patching associated with well abandonment, or where written department approval is received prior to performance of the corresponding work.
11. Costs associated with razing of buildings, removal of roads, removal of footings and foundations, or other destruction of structures, or other redevelopment costs, unless written department approval is received prior to performance of corresponding work.
12. The opportunity cost of money, or interest income or dividend income lost because of a decision to use internal funding for a remediation.
13. Subcontractor markups for work performed after January 31, 1993. This subdivision does not apply to work that is included in a public bidding contract executed under s. Comm 47.69(1).
14. Costs associated with general program support and office operation which are expected to be included in the hourly staff rates, such as telephone charges, photocopying, faxes, paper, printing, postage, hand tools, personal protective equipment, computer equipment, computer-aided-design, and software charges.
15. Costs reimbursed by insurance companies unless performing in an agent role.
16. Costs associated with fees required by any other state agency, such as fees authorized by s. 292.55, Stats., and fees listed in ch. NR 749, except DNR closure review fees incurred prior to October 29, 1999.

WHAT COSTS ARE IN-ELIGIBLE CON'T?

37. Costs determined by the Department to be excessive.
38. Costs incurred by a responsible party associated with bid requirements or project administration such as consultant selections, monitoring or supervising subcontractors or consultants.
39. Interest costs associated with costs that are ineligible under this section or s. Comm 47.30(3).
40. Interest costs excluded under s. Comm 47.60(2) (a), 47.625, or 47.69(1) (b).
41. Costs determined by the department to be excessive, as defined by the usual and customary cost schedule periodically established by the department under s. Comm 47.325.
42. Costs for any work performed where a contract is not in place as required in s. Comm 47.33(2) (a) 1.
43. Costs incurred for services exempted under s. Comm 47.33(6) (b) 1, if the costs are incurred prior to the department approval required under s. Comm 47.33(6) (b) 2., and the approval requirement is not subsequently waived by the department.
44. Costs which exceed the \$20,000 limit in s. Comm 47.337(2)(a) for a site investigation and remedial action plan, and which are incurred prior to either providing the notices that are required in s. Comm 47.337(2)(c), or obtaining the approval which is required in s. Comm 47.377(2)(b).
45. Costs for any work performed after submittal of the notice of completion of an investigation under s. Comm 47.62(4) and prior to the department's issuance of a response to the responsible party and the consulting firm under s. Comm 47.62(5).
46. Costs for any work performed more than 5 business days after the department issues a decision under s. Comm 47.62(5) that an occurrence is subject to the public bidding process in s. 47.68, if the work is conducted outside of that process.
47. Costs for any work that is performed after submittal of a written deferral notice under s. Comm 47.63(5) (c) and prior to a departmental authorization to proceed with additional activities.
48. Costs for any unauthorized work performed more than 5 business days after the department issues a directive or notice under s. Comm 47.64(1) about using the public bidding process in s. Comm 47.68.
49. Costs for any unauthorized services that are performed by any party other than a firm which submitted a bid under s. Comm 47.68(2) and with which a contract is executed under s. Comm 47.69, if they are conducted after the qualified low bid is determined under s. Comm 47.68(3).
50. Costs that exceed the maximum reimbursement established under s. Comm 47.68(7) (d).
51. Costs for unauthorized work performed more than 5 business days after the department issues a disqualification notice under s. Comm 47.70(4) (d).
52. Costs for any work performed between the due date of any submittal required under this subchapter and the date a past-due submittal is actually submitted.
53. Costs for performance bonds.
54. Costs incurred that exceed caps established by the department unless written department approval is received prior to performance of the corresponding work.
55. Interest ineligibility:
 - a. If a claim is submitted more than 120 days after receipt of no further action notification, interest costs incurred 60 days after notification are ineligible.
 - b. If written notification of no further remedial action was received prior to August 31, 2001, & the final claim is submitted more than 120 days after 8-31-01, interest costs incurred after January 2, 2002 are ineligible.