

Meridian Environmental Consulting, LLC

June 30, 2020

Carrie Stoltz Department of Natural Resources 107 Sutliff Avenue Rhinelander, Wisconsin

Subject:

Well Abandonment Forms: MW-1000, MW-1100 Auto Stop 119 W. 9th St Ladysmith, Wisconsin 54848 PECFA No. 54848-1295-19 DNR BRRTS No. 03-55-282548 Meridian No. 05C630

Dear Carrie:

The monitoring wells MW-1000 and MW-1100 were abandoned June 29, 2020. The well abandonment forms are enclosed.

Sincerely, MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG Project Manager

State of Wis., Dept. of Natural Resources dnr.wi.gov



Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

	Route to DNR Burea	u:				
Verification Only of Fill and Seal	Drinking Water	Watershed/Was	tewater] Remediation/Redevelopm		
	Waste Manager	Dent Other:				
1. Well Location Information		2. Facility / Owner Infor	nation			
County WI Unique Well # of	Hicap #	Facility Name				
Rusk		Eacility ID (EID or PW(S)	op (t	or mer)		
Latitude / Longitude (see instructions)	ormat Code Method Code					
N		License/Permit/Monitoring #				
W						
1/4 / 1/4 Section	Township Range E	Original Well Owner	-			
or Gov't Lot #	N W	Present Wall Owner				
19 West 9 E	54	In resent wen Owner				
Well City, Village or Town	Well ZIP Code	Mailing Address of Present Ov	mer at a	3		
Ladysmith	54848	19 W	. 7			
Subdivision Name	Lot #	Lakes mit	4	US 54849		
Reason for Removal from Service WI Unique	Well # of Replacement Well	4. Pump, Liner, Screen, C	asing & Sealin	g Material		
Develop 1 at		Pump and piping removed?		Yes No		
Filled & Sealed Well / Drillhole / Borel	ole Information	Liner(s) removed?		Yes No Th		
Original Constr	uction Date (mm/dd/yyyy)	Liner(s) perforated?		Yes No Th		
L Monitoring Well	15-07	Screen removed?		Yes No Th		
Water Well		Casing left in place?		Yes No No		
Borehole / Drillhole If a Weil Const please attach.		Was casing cut off below sur	face?	Yes No NN		
onstruction Type:		Did sealing material rise to s	urface?	Yes No No		
Drilled Driven (Sandpoint)	Dug	Did material settle after 24 ho	ours?	Yes No N		
Other (specify):		If yes, was hole retopped	?	Yes No N		
pimation Type:		If bentonite chips were used,	were they hydrate			
Unconsolidated Formation	edrock	Required Method of Placing Ser	aling Material			
tal Well Depth From Ground Surface (ft.) Casi	ng Diameter (in)	Conductor Pipe-Gravity	Conductor Pipe	-Pumped		
	7	Screened & Poured Other (Explain):				
wer Drillbole Diameter (in)	Depth (ft.)	Sealing Materials				
0		Neat Cement Grout	Cor	crete		
8	15	Sand-Cement (Concrete) (topito China		
as well annular space grouted?	No Unknown	For Monitoring Wells and Monito		s Only		
ves, to what depth (feet)? Depth to W	ater (feet)	Bentonite Chins	Bentonite	Cement Grout		
3	10	Granular Bentonite	Bentonite -	Sand Slurry		
Material Used to Fill Well / Drillhole		From (ft.) To (ft.) No. 1	ards, Sacks Seala	nt or Mix Ratio or		
Landon La	chios	Surface /C	olume (circle one)	Mud Weight		
georem re		Surface / 5	- ory			
Comments						
	an managang kanang salah s					
Supervision of Medic			DNID	Hee Only		
Supervision of Work	icense # Date of Fillin	g & Sealing or Verification	Received	INoted By		
ne of Person or Firm Doing Filling & Sealing		6.79.7070		includ Dy		
eridian Enu. Olt	(mm/dd/yyy)	0-2-000		and the second sec		
eridian Env. CIH	(mm/dd/yyyy Tele	ohone Number 157832-6698	ments			
Endian Env. CI 14 2711 N. Elco Rd Fall Creek	ZIP Code C 47 42	ohone Number ST 832 -6698 gnature of Person Doing Work	ments	Date Signed		

State of Wisconsin Department of Netwiral Resources <u>Route to:</u> V	Vatershed/Wastewater	Waste Mana	gement[X]	MONITORING WELL CONSTR Form 4400-113A Rev. 7-98	LUCI	TION	
Facility/Project Name LADYSMITH AUTO STOP	ity/Project Name Local Grid Location of Well N.		ft. TW	Well Name MW-1000			
Facility License, Permit or Monitoring No.	Local Grid Origin X (estima	nted: () or	Well Location	Wis. Unique Well No. DNR Well	IDN	No.	
Facility ID	St. PlanefL N.	·	ft_ ES/C/N	Date Well Installe 10 / 15 / 2	00	2 K	
Type of Well 1/4 of 1/4		,T	N,R	Well Installed By: Name (first, las	t) and	Firm	
Well Code /	Location of Well Relative to W	aste/Source	Gov. Lot Number	JONES BEAUFORD			
Sourceft. Apply	d Downgradient n D	Not Known	<u> </u>	GILES ENGINEERING ASSO	C. IN	IC.	
A. Protective pipe, top elevation	ft MSL		. Cap and lock?	IX Yes		No	
B. Well casing, top elevation	ft MSL		 Protective cover p Inside diameter 	ipe: : 8		in.	
C. Land surface elevation	ft MSL		b. Length:	1		ft.	
		的形態	c. Material:	Steel	X	04	
D. Surface seal, bottom R. MS	Lor IL State			Other		22	
12. USCS classification of soil near screen	n	N	d. Additional pro	lection? X Yes		No	
			If yes, describe	EXPANDABLE CAP			
Bedrock			, Surface scal:	Bentonite	: []	30	
13. Sieve analysis performed?	Yes IX No		CONCRETE	Concrete	: Ц	UI	
14 Deilling method word:			Material between	Viner	A		
Hollow Stem Al	Ner X41		- Haustal Docwood	Bantonite	e IX	30	
O O	ther D			Other			
			Amular space ce	al- & Granular/Chipped Bentonit	e IX	33	
15. Drilling fluid used: Water D 0 2	Air 🗆 01		Lbs/gal n	und weight Bentonite-sand slurr	yП	35	
Drilling Mud [] 0 3	Name IX 99		cLbs/gal n	und weight Bentonite slurry	,	31	
16 Duilling additions used?	Var IV Na		d % Benton	ite Bentonite-cement grou	nt 🗆	50	
10. Druing additives used?	ICS IX NO		e150	volume added for any of the above	C		
Describe			f. How installed	Tremis	: 🗆	01	
17. Source of water (attach analysis if rem	(lired)			Tremie pumped		02	
in bouroe of many (another analysis, it req				Gravity		08	
			Bentonite seal:	a. Bentomie granule	5 🔲	33	
E. Bentonite seal, topft. MS	L or _ 1ft.		b. 🗆 1/4 m. 🕰 c	Other		32	
F. Fine sand, top ft. MS	SL or _ 3 ft.		. Fine sand materia	l: Manufacturer, product name &	mesh	size	
		3	a_45-55 KED FL.			Name Ameri	
G. Filter pack, top IL MS	12 or _ 4 IL		b. Volume added	50			
H Screen joint ton ft MS			30 DED ET INT	AMEDICAN MATERIALS	mest	a size	
			8. JU RED FLIT	AMERICAN MATERIALS			
I. Well bottom ft. MS	Lor 15 ft.		Well casing:	Flush threaded PVC schedule 40	IX	23	
			a	Flush threaded PVC schedule 80		24	
J. Filter pack, bottomft_MS	L or _17ft		0.5	Other		100000 10000	
K. Borehole, bottom ft. MS	SL or _ 17 ft.		a. Screen type:	Factory cu	t 🗆	11	
L. Borehole, diameter _8.25_ in.				Continuous slot Other		01	
			b. Manufacturer	TIMCO			
M. O.D. well casing _ 2.35_ in.			c. Slot size:			_ in.	
		1	d. Slotted length		.10_	^{11.}	
N. LD. well casing $2 - in$.		1	I. Backfill material	(below filter pack): Non Other		14	
I hereby certify that the information on this	s form is true and correct to the	best of my know	wledge.			M. M.	
Signature	Firm	- the my mo					
Finite Rubint	GILES	ENGINEERIN	G ASSOC. INC.				
your grows							

Plasse complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiure of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

MW-1100

State of Wis., Dept. of Natural Resources dnr.wi.gov

City

Fall

Creek

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

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Subdivision Name Lot# 15mith alle NI 54848 4. Pump, Liner, Scre en, Casing & Sealing Material Reason for Removal from Service WI Unique Well # of Replacement Well Pump and piping removed? Develop Lot Yes No N/A

3. Filled & Sealed Well / D	rillhole / Borehole Information							
A Monitoring Well	Original Construction Date (mm/dd/yyyy)	Liner(s) perforated?						
	10-15-02	Screen removed?						
Water Well	If a Wall Construction Papart is available	Casing left in place?						
Borehole / Drillhole	please attach.	Was casing cut off below surface?						
Construction Type:		Did sealing material rise to surface?						
Drilled Driven (Sandpoint) Dug		Did material settle after 24 hours?						
		If yes, was hole retopped?						
Ecomation Type:		If bentonite chips were used, were they hydrated						
Tartin in the second		with water from a known safe source?						
	Bedrock	Required Method of Placing Sealing Material						
Total Well Depth From Ground S	Surface (ft.) Casing Diameter (in.)	Conductor Pipe-Gravity Conductor Pipe-Pumped						
15	Z	(Bentonite Chips) Other (Explain):						
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Sealing Materials						
8	15	Neat Cement Grout Concrete						
0		Sand-Cement (Concrete) Grout Bentonite Chips						
Was well annular space grouted?	Yes No Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:						
If yes, to what depth (feet)?	Depth to Water (feet)	Bentonite Chips Bentonite - Cement Grout						
3	10	Granular Bentonite Bentonite - Sand Slurry						
5 Material Used to Fill Well	l / Drillbole	From /#) To /#) No. Yards, Sacks Sealant or Mix Ratio or						
		Volume (circle one) Mud Weight						
ben	ron, te chips	Surface 15 112 Sag						
-								
o. comments								
7. Supervision of Work		DNR Use Only						
Name of Person or Firm Doing Fill	ing & Sealing License # Date of Fi	Iling & Sealing or Verification Date Received Noted By						
Meridian Enu	.CI / (mm/dd/y	NY) 6-29-2020						
Street or Route		elephone Number						
Z711 N. 12	Ico Kal	715532-6600						

Signature of Person Doing Work

Date Signed

-30-20

ZIP Code

54

74.

State

Wi

State of Wisconsin Department of Netural Resources <u>Route to:</u> T	Watershed/Wastewater	Waste Mana	gement[X]	MONITORING WELL CONSTE Form 4400-113A Roy. 7-98	UCT	.ION
Facility/Project Name LADYSMITH AUTO STOP	Local Grid Location of Well	N.	ft. DE	Well Name MW-1100		
Facility License, Permit or Monitoring No.	Local Grid Origin X (estimate	ated:) or	Well Location	Wis. Unique Well No. DNR Wel	ID N	lo.
Facility ID	St. PlancfL N	Long	fl. E. S/C/N	Date Well Installe 10_/_15_/_2	00	2
Type of Well	Section Location of Waste/Sou 1/4 of 1/4 of Sec,	,T	N,R	Well Installed By: Name (first, las	t) and	Firm (S)
Distance from Waste/ Enf. Stds.	Location of Well Relative to V u Upgradient s	Waste/Source	Gov. Lot Number	GILES ENGINEERING ASSO	C. IN	C.
A Protective pipe top elevation	A MSI.		. Cap and lock?	IX Yes		No
B. Well casing, top elevation	ft. MSL	7 20 2	Protective cover p	pipe:		in
	A MSI	IF	b. Length:			fL.
C. Land surface elevation	IC MISL	- Standing	c. Material:	Steel	IX	04
D. Surface seal, bottom ft. M	SL or IL Statist		and the set of the same of the	Other		
12. USCS classification of soil near scree	n: The second	N	d. Additional pro	tection? X Yes		No
SM D SC D MLD MHD			If yes, describe	e: EXPANDABLE CAP		20
Bedrock			Surface scal:	Generati		01
13. Sieve analysis performed?	Yes IX No		CONCRETE	Other	IX	
14. Drilling method used: Ro	tary 50		. Material between	well casing and protective pipe:		14-14-1 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
Hollow Stem A	uger IX 41			Bentonit	e IX	30
0	nher 🗆 📖			Other		
15 Dilling Build used. Water 0.02			5. Annular space se	al: L. Granular/Chipped Bentonit	e IX	33
Drilling Mud D 0 3	Nome IX 99		bLbs/gal n	nud weight Bentonite-sand slurr	yЦ	35
			cLbs/gal n	nud weight Bentonite slurry		31
16. Drilling additives used?	Yes IX No		d % Denton	volume added for any of the abow		20
			f How installed	- Tremi	: 0	01
Describe			I. INW HIStation	Tremie pumper		02
17. Source of water (attach analysis, if req	uired):			Gravity		08
			6. Bentonite seal:	a. Bentonite gramile	5 🔲	33
			b. 1/4 in. X	3/8 in. 1/2 in. Bentonite chip	s IX	32
E. Bentonite seal, top II. M	Lor_1		C	Other		
F. Fine sand, top ft. M.	SL or _ 3fL		7. Fine sand materia	al: Manufacturer, product name &	mesh	size
G Filter nack top ft M	slor 4 ft		a 45-55 RED FL	a 50		1440 AM
			R Filter nack mater	rial: Manufacturer, product name &	mest	D SIZE
H. Screen joint, top ft. M.	SL or _ 5 ft.	/	a. 30 RED FLIN	T AMERICAN MATERIALS	111001	20
I. Well bottom ft. M	SLor_15ft		 b. Volume adde 9. Well casing: 	d_400 Flush threaded PVC schedule 40	IX	23
			2	Flush threaded PVC schedule 80		24
J. Filter pack, bottomft. M	SL or _17ft			Other		20000 78.200
K. Borehole, bottom ft. M	SL or _ 17 ft.		a. Screen type:	Factory ou	.t 🗆	11
L Bornhole diaman 825				Continuous slo		01
L Borenole, diameter _ 0.25_ in.			h	TIMCO	rX	
M. O.Dwell casing _ 2.35_ in.			c. Slot size:			_ in.
		/	d. Slotted length	h:	.10_	ft.
N. I.D. well casing $2 - m$.		1	1. Backfill material	I (below filter pack): Non Othe		14
I hereby certify that the information on thi	s form is true and correct to the	best of my kno	wledge.			
Signature	In Firm					
Jimoty Rufust	GILES	ENGINEERIN	G ASSOC. INC.			

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