State of Wisconsia Department of Natural Resources Route to: V	Watershed/Wastewater Remodiation/Redevelopment	Waste Manag		MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98	
Facility/Project Name	Remediation/Redevelopment Local Grid Location of Well	אָן.	r. ∐E.	Well Name HW-01	
Tyco Fire Products LP Facility License, Permit or Monitoring No. BRRTS # 02-38-000011	Local Grid Origin (estima	ited: ( ) or V	Well Location	Wis. Unique Well No. DNR Well ID No.	
Facility ID	St. Plane 2585163.08842 ft. N			Date Well Installed	
438039470	Section Location of Waste/Sou	roe		m m d d v v v v Well Installed By: Name (first, last) and Firm	
Type of Well Well Code 27 / he	NW 1/4 of SW 1/4 of Sec.	5 ,T. 30 1	N. R. 24 🗎 🕏	Brent Fleming	
Distance from Waste/ Enf. Stds.	Location of Well Relative to Wu Upgradient s	/astc/Source Sidegradient	Gov. Lot Number		
Source n_ Apply	d Downgradient n			Ellingson - DTD	
A. Protective pipe, top elevation ft. MSL 1. Cap and lock? Lyes E. No					
B. Well casing, top elevation =	585.5 n. MSL	1 112.7	Protective cover p	•	
			b. Length:	in.	
	_587_ft. MSL	2000000	c. Material:	Sicel 04	
D. Surface seal, bottom ft. MS	SL or ft.			Other 🗀 🌉	
12. USCS classification of soil near scree		A SA	d. Additional pro	tection?	
GP GM GC GW SM SM SC ML MH G	CT CH C		If yes, describ	Steel and Concrete Vault	
Bedrock	To Carol	3.	Surface seal:	Bentonite   30  Concrete   01	
	Yes ⊔ No		Asphalt around	100	
	stary J 5 0	₩ 4.		well casing and protective pipe:	
Hollow Stem A	/ 1000			Bentonite 🔲 30	
Duck bill, rockmaster bit	Other 🗉 🎎			Other 🗆 🔯	
45 P.W. 5 11 1 Warr 1702	4. [7] 4.	5.	Annular space se	al: a. Granular/Chipped Bentonite 3 3	
151 5000000	Air □ 01	b	Lbs/gal n	nud weight Bentonite-sand slurry 35	
	TOTAL CONTRACTOR OF THE PARTY O	E.		nud weight Bentonite slurry 3 1  jue Bentonite-cement grout 5 0	
16. Drilling additives used?	Yes 🖪 No 🐰			volume added for any of the above	
		f.	How installed	The state of the s	
Describe Tremis numued 0.2					
17. Source of water (attach analysis, if required):					
Potable / City Water		6.	Bentonite seal:	a. Bentonite granules 33	
E. Bentonite scal, topft. MS	St. or O		b. 11/4 in. 1	3/8 in.   1/2 in.   Bentonite chips	
E. Bentonite seat, top it. tv.	201 =		Ci.	144,274	
F. Fine sand, top ft. MS	SL orft.	7.	. Fine sand materi	al: Manufacturer, product name & mesh size	
			a		
G. Filter pack, top ft. M	SL or ft.			n <sup>3</sup>	
578 6 341	SL or9.0 ft.	图 /8.	. Filter pack mater _ Native	ial: Manufacturer, product name & mesh size	
H. Screen joint, top570 ft. M.	)		b. Volume adde	d 63	
I. Well bottom 567 ft. M	SL or20 ft.	9.	. Well casing:	Flush threaded PVC schedule 40 2 3	
- TOTAL TIE			_	Flush threaded PVC schedule 80 🔲 24	
J. Filter pack, bottom ft. M	SL or ft.		4-inch DR11 H		
567 6. 34	SL or 20 ft.			4-inch DR11 HDPE	
K. Borehole, bottom	SL or IL		a. Screen type:	Factory cut 🗐 11 Continuous slot 📙 01	
L. Borehole, diameter = 6.5 in.				Other D	
			b. Manufacturer		
M. O.D. well casing $4.20$ in.			c. Sint size:	0. <u>010</u> in.	
4.00		•	d. Slotted length		
N. I.D. well casing $\frac{4.00}{1.00}$ in.		11	. Backfill material	(below filter pack): None = 14 Other  Other	
I hereby certify that the information on thi	s form is true and correct to the	best of my know	vledge.		
Signature	Firm				
1410	Endpoint Solu	utions Corp.			

Please complete both Forms 4400-1334 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 forfeiture 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

## State of Wisconsin Department of Natural Resources

## MONITORING WELL DEVELOPMENT Form 4400-1138 Rev. 7-98

Route to: Watershed/Wastewater		Waste Management			
Remediation/Redevelopment		Other			
Facility/Project Name	County Name	Well Name			
Tyco Fire Products LP	Marinette	HW-01			
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number DNR Well ID Number			
BRRTS #02-38-000011	38				
1. Can this well be purged dry?  2. Well development method surged with bailer and bailed  [] 4		Before Development After Development  11. Depth to Water  (from top of a			
surged with bailer and pumped	2 2 2 0 0 0	Date  b. 12 / 19 / 2020	)21 y y		
	180 min.	Turbid □ 15 Turbid □ 25  (Describe) (Describe)  Silty brown Clear	Turbid ☐ 25 (Describe)		
4. Depth of well (from top of well casisng)	.20 ft.	Olly Brown Clear			
5. Inside diameter of well	_ <u>4</u> in.				
	350 gal.  750 gal.  500 gal.	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspendedN/A mg/lN/A mg/l solids			
9. Source of water added Potable / City Water		15. CODN/A mg/lN/A mg/l			
10. Analysis performed on water added? Ye (If yes, attach results)	es 🗈 No	16. Well developed by: Name (first, last) and Firm  First Name: Brent Last Name: Fleming  Firm: Ellingson-DTD			
17. Additional comments on development:		\$5			
Name and Address of Facility Contact /Owner/Responsible	e Party	I hereby certify that the above information is true and correct to the bes			
First Denice Last Nelson		of my knowledge.	_		
Facility/Firm: Johnson Controls		Signature:			
Street: 5757 North Green Bay Avenue		Print Name: Kirk L. Kapfhammer			
City/State/Zip: Milwaukee, WI 53209		Firm: Endpoint Solutions			

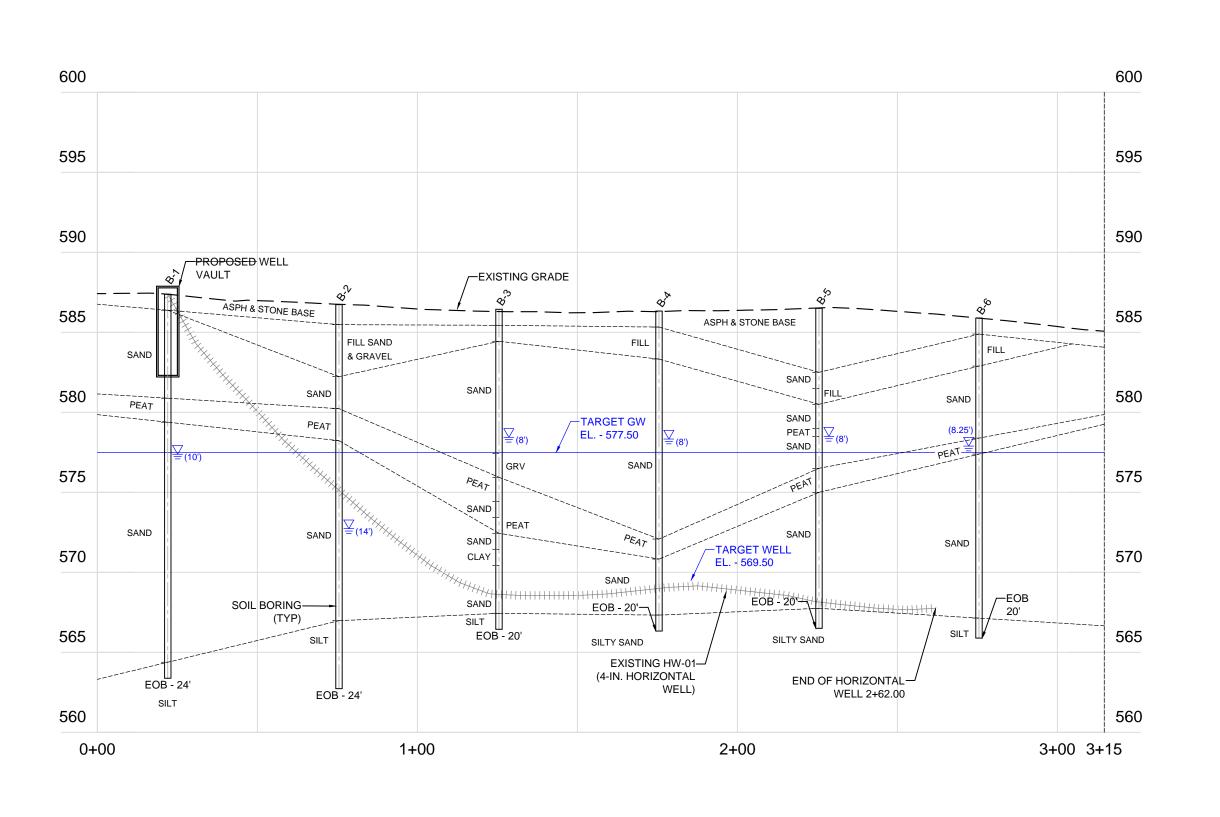
	Watershed/Wastewater Remediation/Redevelopment	Waste Mans  ✓ Other		MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98	
Facility/Project Name	Local Grid Location of Well			Well Name	
Tyco Fire Products LP	ft.	קא:		HW-02	
	Local Grid Origin 🦳 ( estin	nated: (1) or	Well Location	Wis. Unique Well No. DNR Well ID No.	
BRRTS # 02-38-000011	Lat. 45 ° 5 ° 47.35527	Long. 87 *	36 41.96889 or		
Facility ID	St. Plane 2585266.48758 ft.			Date Well Installed	
438039470	Section Location of Waste/S		IL D. OJCHI	12 / 18 / 2020 m m d d v v v v	
Type of Well	NIM SIM	5 - 30	24 PE.	Well Installed By: Name (first, last) and Firm	
Well Code 27 / he	NW 1/4 of SW 1/4 of Sc	c. 5 T. 00	N, R W	Brent Fleming	
Distance from Waste/ Enf. Stds.	Location of Well Relative to u Dpgradient s	Waste/Source ☐ Sidegradient	Gov. Lot Number		
Sourceft_ Apply _	d Downgradient n			Ellingson - DTD	
		1 HOLKIDAN	. Cap and lock?	∐ Yes ■ No	
A. Protective pipe, top elevation	ft_MSL		. Protective cover		
B. Well casing, top elevation	585.5 ft. MSL		a. Inside diamete	•	
<u>.</u>	1			n.	
C. Land surface elevation	_587_ ft. MSL	h	b. Length:	Steel 0 4	
D. Surface seal, bottom ft. MS	er or to	<b>一大学</b>	c. Material:	Other U	
	F 453 / 456 5 A	1,000,000			
12. USCS classification of soil near screen		N N	d. Additional pro	oction? Yes No No Steel and Concrete Vault	
GP = GM = GC = GW = 5	CT CH CH		If yes, describ		
SM □ SC □ MIL □ MH □ G	TO CHO!		3. Surface scal:	Bentonite 🔲 30	
				Concrete = 01	
	Yes ∐ No		Asphalt around		
14. Drilling method used: Ro	tary 🗆 50	1 1881 4	<ol> <li>Material between</li> </ol>	well casing and protective pipe:	
Hollow Stem A				Bentonite ☐ 30	
Duck bill, rockmaster bit	other 🗉 🎆			Other 🗆 🍱	
			5. Annular space se	al: a. Granular/Chipped Bentonite 4 33	
15. Drilling fluid used: Water   0 2	Air □ 01 📗		Lbs/gal	nud weight Bentonite-sand slurry 35	
Drilling Mud 🖃 0 3	Nanc 🗆 99 📗 🧝	N 188	c. Lbs/gal r	nud weight Bentonite slurry 🗀 31	
_			d % Bentor	ijte Bentonite-cement grout ☐ 50	
16. Drilling additives used?	Yes 🖪 No			3 volume added for any of the above	
		8 III	f. How installed	m	
Describe Tremic purposed □ 0.2					
17. Source of water (attach analysis, if required):					
Potable / City Water	l B		6. Bentonite scal:	a. Benumite granules 33	
	<del></del>			3/8 in. □1/2 in. Bentonite chips □ 32	
E Doutseits and two	Stor ft.		p	Other U 32	
E. Bentonite seal, topft. MSL orft.					
F. Fine sand, topft. MSL orft.					
F. Fine sand, top ft. MS					
er was to be followed by	SL or ft.		b. M-1	dn³	
G. Filter pack, top ft. M:	32.0412			·	
581 6 34	SL or 6.0 ft.		s. Pitter pack mater  Native	rial: Manufacturer, product name & mesh size	
H. Screen joint, topft. M.	SE OFIL		ā	d ft <sup>3</sup>	
500 2 m a m	1780		b. Volume adde		
I. Well bottom 569.2 ft M	SL or17.8_ft.		9. Well casing:	Flush threaded PVC schedule 40 2 23	
			4 inah DD11 U	Flush threaded PVC schedule 80 2 4	
I. Filter pack, bottom ft, M:	SL or IL		4-inch DR11 H		
500.0	17.9.0	1		4-inch DR11 HDPE - Welded	
K. Borehole, bottom 509.2 ft M	SL or17.8 ft.		a. Screen type:	Factory cut   11	
@ <b>E</b>				Continuous slot 📙 01	
L. Borehole, diameter $= \frac{6.5}{100}$ in.	12			Other 🗆 🕸	
			b. Manufacturer	- 010 -	
M. O.D. well casing 4.20 in.			c. Slot size:	0. <u>010</u> in.	
338 COURT #550,68		\	d. Slotted length	h:	
N. I.D. well casing 4.00 in.		1	1. Backfill materia	l (below filter pack): None 🖃 14	
-				Other 🗆 🚉	
I hereby certify that the information on thi	s form is true and correct to the	ne best of my kno	wledge.		
Signature	Firm				
14 1011	Endpoint S	olutions Corp.			

Please complete both Forms 4403-13A 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 forfeiture 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

## State of Wisconsin Department of Natural Resources

## MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater	Waste Management			
Remediation/Redevelopment	t 🕝 Other 🔃			
Facility/Project Name   County N	lame Well Name			
Tyco Fire Products LP Marinette	e HW-02			
Facility License, Permit or Monitoring Number County C	Ode Wis. Unique Well Number DNR Well ID Number			
BRRTS #02-38-000011 38				
1. Can this well be purged dry?  2. Well development method	Before Development After Development  11. Depth to Water (from top of well casing)  Before Development After Development  34.20 ft34.49 ft.			
surged with bailer and bailed 4 1 surged with bailer and pumped 6 1	was a sample			
surged with block and bailed	Date			
7. Volume of water removed from well	Fill in if drilling fluids were used and well is at solid waste facility:  14. Total suspendedN/A mg/lN/A mg/l			
8. Volume of water added (if any)600 gal.	solids			
9. Source of water added Potable / City Water	15. CODN/A mg/lN/A mg/l			
10. Analysis performed on water added? Yes IN (If yes, attach results)	- 16. Well developed by: Name (first, last) and Firm  First Name: Brent Last Name: Fleming  Firm: Ellingson-DTD			
17. Additional comments on development:				
Horizontal Well				
Name and Address of Facility Contact / Owner/Responsible Party  First Name:  Denice Name:  Denice Name:	I hereby certify that the above information is true and correct to the best of my knowledge.			
Facility/Firm: Johnson Controls	Signature:			
Street: 5757 North Green Bay Avenue	Print Name: Kirk L. Kapfhammer			
City/State/Zip: Milwaukee, WI 53209	Firm: Endpoint Solutions			



| 5 | 121/4/21 RECORD DRAWINGS | 4 | 04/08/21 HORIZONTAL WELLS RECORD DRAWING | 3 | 03/08/21 REVISED FOR REBID AND CONSTRUCTION | 1 | 09/23/20 REVISED FOR AEDENDUM #1 | 1 | 09/23/20 REVISED FOR AEDENDUM #1 | 0 | 09/03/20 | 10/0% ISSUED FOR BID

Endpoint Solutions
6871 S. LOVERS LANE
FRANKLIN, WI 53132

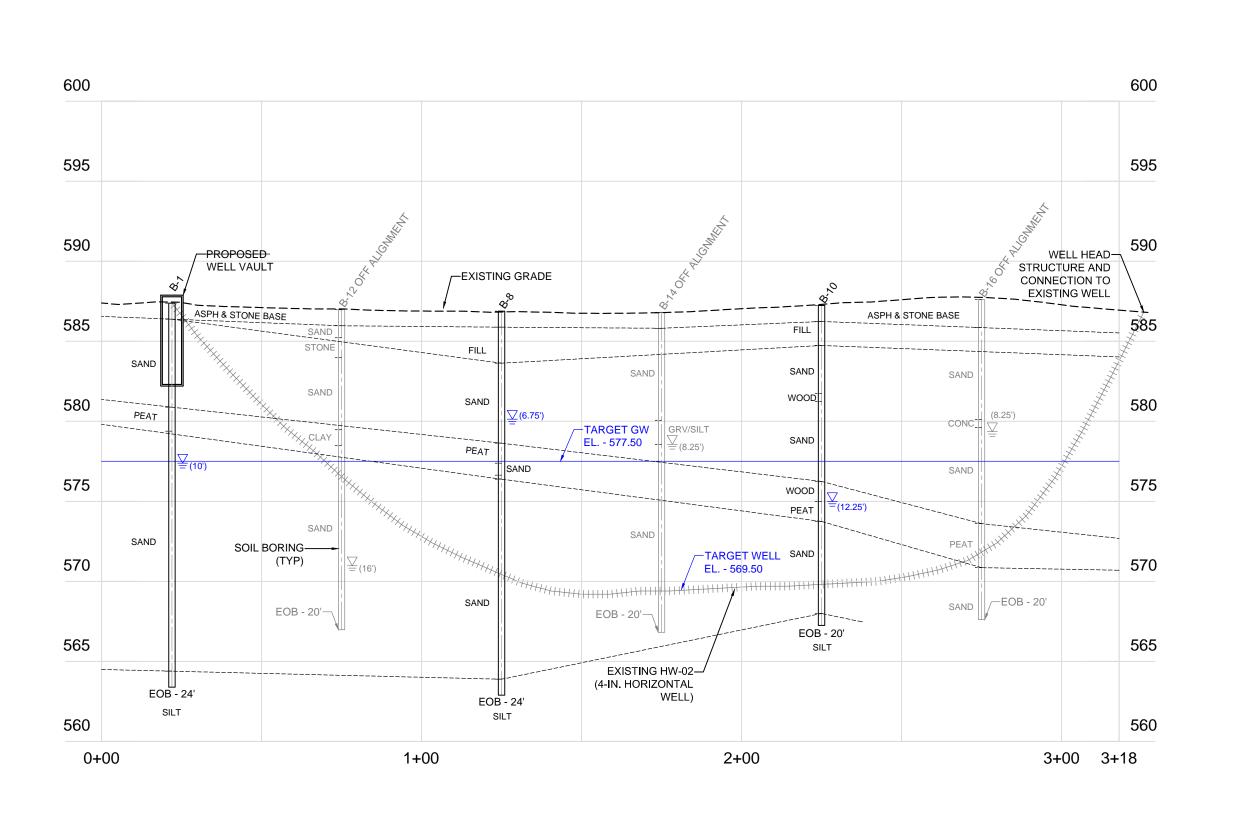
TYCO SALT VAULT EXTRACTION SYSTEM (EXTRACTION PLANS)
HORIZONTAL WELL
HW-01 CROSS SECTION
ONE STANTON STREET
MARINETTE, WISCONSIN 54143

DRAWN BY: JAHINWO DATE:
CHECKED BY: NWD 12/14/20
APPROVED BY: WCW

PROJECT NO. 415-001-

SHEET NO.

5R5



12/14/21 RECORD DRAWINGS
4 04/08/21 HORZONTAL WELLS RECORD DRAWING
2 04/09/21 REVISED FOR REBID AND CONSTRUCTION
2 10/20/20 REVISED ROUTE TO JV-100 & EW-08 & EW-09
1 09/23/20 REVISED FOR ADDENDUM #1
0 09/03/20 100%, ISSUED FOR BID

Endpoint Solutions
6871 S. LOVERS LANE
FRANKLIN, WI 53132

TYCO SALT VAULT EXTRACTION SYSTEM (EXTRACTION PLANS)
HORIZONTAL WELL
HW-02 CROSS SECTION
ONE STANTON STREET
MARINETTE, WISCONSIN 54143

DRAWN BY: JAH/NWD DATE:

CHECKED BY: NWD 12/14/20

APPROVED BY:WCW

PROJECT NO. 415-001-00

THIS BAR REPRESENTS 1/2 IN ORIGINAL DRAWING; USE TO VE

SHEET NO.

6R5