



AUG 2 7 2009

CH2M HILL

135 S 84th Street

Suite 325

Milwaukee WI 53214

Tel 414-272-2426 X40332

Fax 414-272-4408

REMEDIATION &

August 26, 2009

Ms. Wendy Weihemuller Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711

Subject: Exception Request to NR 141.25 Well Abandonment Requirements, Wisconsin Unique Well Number Request

Dear Ms. Weihemuller:

On behalf of the United States Environmental Protection Agency (USEPA), CH2M HILL would like to request an exception to the required depth below ground surface for casing removal during well abandonment as outlined in Wisconsin Administrative Code (WAC) NR 141.25 at the former Oconomowoc Electroplating Company, Inc. facility located in Ashippun, Wisconsin (WID006100275).

CH2M HILL recently performed some site well maintenance, which included the abandonment of five 6-inch groundwater extraction wells associated with historical operation of a groundwater extraction and treatment remediation system at the facility. The WAC NR 141.25(2)(b) required abandonment depth of 30 inches below ground surface (bgs) could not be reached at two of the former site extraction wells (EW-1 and EW-4) due to the unexpected presence of large concrete slabs surrounding the well casings at depth. The concrete slabs extended to greater than 30 inches bgs and could only be partially removed using a jackhammer and an excavator. Therefore, the 6-inch steel well casing at these two extraction well locations could not be safely cut off at 30 inches bgs. The depths of abandonment for EW-1 and EW-4 were measured at 24 inches bgs and 12 inches bgs, respectively. Each well was sealed using bentonite chips and the ground surface was returned to its natural state and original grade. Well abandonment forms for the wells recently abandoned at the site, including these two extraction wells, have been enclosed for your records.

CH2M HILL would also like to request a Wisconsin Unique Well Number for a replacement well (MW-14DR) that was installed at the site on July 9, 2009. This well was installed to replace the monitoring well MW-14 (WI Unique Well # PL130), which was destroyed during local road construction completed by the Town of Ashippun.

A copy of the Monitoring Well Construction Form for MW-14DR and a site map showing the locations of the former well locations are also enclosed. Please let us know if you have concerns regarding this exception request or if you require additional information.

Sincerely,

CH2M HILL, Inc.

Matt Boekenhauer Site Manager

c: William J. Ryan/USEPA
Gary Edelstein/WDNR
Jon Tortomasi/CH2M HILL

Matt Boekenhauer

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:
1. General Information	2. Facility / Owner Information.
WI Unique Well No. DNR Well ID No. County	Facility Name
PC 926 Dodge	Ocononomowoc Electroplating Facility
EW1	Facility ID License/Permit/Monitoring No.
741 /4 1/4 2001011 1 1 1 1 1 1 1 1	Street Address of Well 2572 W. Oak Street
NW SE 30 9 N 17 M	
Well Location ft. / M (Local Grid) Datum	City, Village or Town A Shippun, W l
446132.71 N/S 2393846.06 E/W 853.74 Zone	Present Well Owner Original Well Owner
WTM- UTM- Latitude/Longitude- State Plane- S C N	USEPA USEPA Street Address or Route of Present Owner
Local Grid Origin ft. / M Datum	77 W. Jackson Blud.
N,E/W	City . State ZIP Code .
Zone WTM- UTM- Latitude/Longitude- State Plane- S C N	Chicago IL 60604
Reason For Abandonment MI Unique Well No. of Replacement Well	4. Pumpi Liner, Screen, Casing & Sealing Material
No longer in use	Pump and piping removed?
3: Well / Drillhole / Borehole Information	Liner(s) removed?
Original Construction Date	Screen removed?
Monitoring Well 10/4/1995	Casing left in place?
Water Well If a Well Construction Report is available,	Waş casing cut off below surface? ☑Yes ☐ No ☐ N/A
Borehole / Drillhole please attach.	Did sealing material rise to surface?
Construction Type:	Did material settle after 24 hours?
Drilled Driven (Sandpoint) Dug	If yes, was hole retopped?
Other (specify):	If bentonite chips were used, were they hydrated with water from a known safe source?
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips) Other (Explain):
41 ft	Sealing Materials
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " " Concrete Bentonite Chips
Was well annular space grouted? Yes Tho Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:
If yes, to what depth (feet)? Depth to Water (feet)	Bentonite Chips Bentonite - Cement Grout
·	Granular Bentonite Bentonite - Sand Slurry
5⊮Material Used To Fill Well / Drillhole	From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or or Volume (gircle one) Mud Weight
Bentonite Chips	Surface 41 ft 11 hags 550 1 bs
portorte e oraș	013
6. Comments	
Cut 24" bgs due to concrete se	ab around well casing.
7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Sealing Work Date of Abar	
Coleman Engineering Co. 7/8/00	
Street or Route 435 Circle Drive Telephone N 90(0)77	4-344D
City State ZIP Code	Signature of Person Doing Work Date Signed
Iron Mountain, MI 49801	Sog Fulgo 7-9-09

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:
1. General Information	2. Facility / Owner Information
	Facility Name
PC927 Dodge	Ocononomowoe Electroplating Facility
Common Well Name Gov't Lot # (if applicable) EW-2	Facility ID License/Permit/Monitoring No.
	Street Address of Well 2572 W. Oak Street
Well Location ft. / M (Local Grid) Datum	City, Village or Town
WEGGO UL A 17921716 HI AND 952.41	A Shippum , WI Present Well Owner Original Well Owner
WTM- UTM- Latitude/Longitude- State Plane S C N	USEPA USEPA
Local Grid Origin ft. / M Datum	Street Address or Route of Present Owner 77 W. Jackson, Blvd.
N. E/W	City_ State ZIP Code ,
Zone WTM- UTM- Latitude/Longitude- State Plane S C N	Chicago 11 60604
Reason For Abandonment WI Unique Well No. of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Material
No longer in use	Pump and piping removed?
3. Well / Drillhole / Borehole Information	Liner(s) removed?
Original Construction Date X Monitoring Well	Screen removed?
	Casing left in place?
Water Well If a Well Construction Report is available, please attach.	Was casing cut off below surface?
L Dorellote / Drimino.c	Did sealing material rise to surface?
Construction Type: Drilled Driven (Sandpoint) Dug	Did material settle after 24 hours? If yes, was hole retopped? Yes No N/A Yes No N/A
	If he are with a chine was an area of such as the street of
Other (specify):	with water from a known safe source? No No N/A Required Method of Placing Sealing Material
Formation Type:	Conductor Pipe-Gravity Conductor Pipe-Pumped
Unconsolidated Formation Bedrock	Screened & Poured Other (Evaluin):
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	(Bentonite Chips) Sealing Materials
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
Lower Diffinole Diameter (iii)	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry "
Was well annular snace grouted? Yes No Unknown	Concrete Bentonite Chips
vvas weil alfilidiai space greates.	For Monitoring Wells and Monitoring Well Boreholes Only:
If yes, to what depth (feet)? Depth to Water (feet)	Bentonite Chips Bentonite - Cement Grout
	Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant Mix Ratio or
5: Material Used To Fill Well / Drillhole	or Volume (circle one) Mud Weight
Bentonite Chips	Surface 41 ft 550 lb/H bage
6. Comments	
Cut off well 30" bgs using a cut-c	To wheel and sausall.
7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Sealing Work Date of Abar	ndonment Date Received Noted By
Coleman Engineering Company 7/8/1	9
Street or Route Telephone N	lumber Comments
635 Circle Drive 9001	14-1740 Simply of Parson Pains World
Non Mountain State ZIP Code MI 4980	Signature of Person Doing Work Date Signed 7-9-0-9

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:
	2. Facility/ Owner Information
1, General Information WI Unique Well No. DNR Well ID No. County	Facility Name
PC 928 Dodge	Deonomouse Electroplating Facility
Common Well Name Gov't Lot # (if applicable)	Facility ID License/Permit/Monitoring No.
EW-3	Cturat Address of Mall
NW SE Section Township Range N 17 W	Street Address of Well 2572 W. Oak Street
Well Location ft. / M (Local Grid) Datum	City, Village or Town Ashippun, WI
445734.99 N/S 2393972.32 D/W 849.79	Present Well Owner Original Well Owner
Zone	USEPA
Will Comment of the C	Street Address or Route of Present Owner
Local Grid Origin ft. / M E / W E / W	77 W. Jackson Blvd.
Zone	Chicago State ZIP Code 1L 60604
WTM- UTM- Latitude/Longitude- State Plane- S C N	4. Pump, Liner, Screen, Casing & Sealing Material
Reason For Abandonment WI Unique Well No. of Replacement Well	Pump and piping removed?
No longer in use	Liner(s) removed?
3: Well / Drillhole / Borehole Information Original Construction Date	Screen removed?
Menitoring Well 10/10/1995	Casing left in place?
Water Well If a Well Construction Report is available,	Was casing cut off below surface?
Borehole / Drillhole please attach.	Did sealing material rise to surface?
Construction Type:	Did material settle after 24 hours?
Drilled Driven (Sandpoint) Dug	If yes, was hole retopped? If bentonite chips were used, were they hydrated Yes No N/A
Other (specify):	with water from a known safe source? LYes LNo LN/A
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped Screened & Poured Cyber (Synlain)
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	(Bentonite Chips)
Both Lower Drillhole Diameter (in.) Casing Depth (ft.)	Sealing Materials Clay-Sand Slurry (11 lb./gal. wt.)
Lower Drilling Diameter (iii.)	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
Was well annular space grouted? Yes No Unknown	Concrete Bentonite Chips
If yes, to what depth (feet)? Depth to Water (feet)	For Monitoring Wells and Monitoring Well Boreholes Only:
If yes, to what depth (reet):	Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry
5: Material Used To Fill Well / Drillhole	From (ft.) Fo (ft.) No. Yards, Sacks Sealant Mix Ratio or
	Surface 35 ft 350 500 165/104000
Benton te Chips	2,70 300 133/10000
6. Comments	
(ut off 20" box	<u>.</u>
7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Sealing Work Date of Aba	ndonment Date Received Noted By
Coleman engineering con 1701.	
Street or Route (135 Circle Mirk) (906 7	74-3440
City State ZIP Code	Signature of Person Doing Work Date Signed
Iron Montain M 149801	Tog Faloy 9 17-4-09

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:
	2. /Facility / Owner Information
WI Unique Well No. DNR Well ID No. County	Facility Name
PC929 Dodge	Oconomorvoe Electroplating Facility
EW-4	Facility ID License/Permit/Monit 6/ ing No. <i>U</i>
21/4	Street Address of Well 2512 W. Oak &.
NW SE 30 9 N 17 TW	City, Village or Town
Well Location ft. / M (Local Grid) Datum	Ashippun WI
445801.61 N/S 2393901.77 D/W 850.78	Present Well Owner Original Well Owner
WTM- UTM- Latitude/Longitude- State Plane- S C N	USEPA USEPA Street Address or Route of Present Owner
Local Grid Origin ft. / M Datum	- D 1
N. E/W	77 W. Jackson Blvd City State ZIP Code
Zone	Chicago IL 60604
VVIIV)— OTM C COLORD	4. Pump, Liner, Screen, Casing & Sealing Material
Keason of Abandon Mont	Pump and piping removed?
No longer in use	Liner(s) removed?
3. Well / Drillhole / Borehole Information	Screen removed?
Monitoring Well Original Construction Date 4/7/1992	
Water Well If a Well Construction Report is available, please attach.	Was casing cut off below surface? ☐ Yes ☐ No ☐ N/A
Dotellote) Dilimote 1	Did sealing material rise to surface?
Construction Type:	Did material settle after 24 hours?
Drilled Driven (Sandpoint) Dug	If yes, was hole retopped? Yes No N/A
Other (specify):	If bentonite chips were used, were they hydrated with water from a known safe source?
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips) Other (Explain):
20 ft (1"	Sealing Materials
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Neat Cement Grout
	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
Was well annular space grouted? Yes No Unknown	Concrete Bentonite Chips
was well allitulal space grouted:	For Monitoring Wells and Monitoring Well Boreholes Only:
If yes, to what depth (feet)? Depth to Water (feet)	Bentonite Chips ☐ Bentonite - Cement Grout
	Granular Bentonite Bentonite - Sand Slurry
5. Material Used To Fill Well / Drillhole	From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or or Volume (circle one) Mud Weight
Bentonite Chip	Surface 20ft 300 lbs/ le bags
6: Comments	
Cut casing 1' bgs due to 3'x 3' conc	rete Slab around well.
7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Sealing Work Date of Aba	
Coleman Engineering Co. 7/8	109
Street or Poute.	vumber Comments
1035 Grele Drive (9067	14-3440
Ctato 71P Code	Signature of Person Doing Work Date Signed
Tron Mountain State ZIP Code MI 49801	Tog Tole 29 17-4-09

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:
9	2. Facility / Owner Information
	Facility Name
PC930 Dodge	Oconomowoc Electroplating Facility
Common Well Name Gov't Lot # (if applicable)	Facility ID License/Permit/Monitoring No.
EW-5	
NW SE 30 9 N 17 W	Street Address of Well 2572 W. Oak Street
Well Location ft. / M (Local Grid) Datum	City, Village or Town AShippun, WI
445879. 23 W/S 2394067.58 EVW 852.56	Present Well Owner Original Well Owner
Zone WTM- UTM- Latitude/Longitude- State Plane S C N	USEPA USEPA Street Address or Route of Present Owner
Local Grid Origin ft. / M Datum	77 W. Jackson Blvd.
N, E/W	City State ZIP Code
Zone	Chicago IL 60604
WTM- UTM- Latitude/Longitude- State Plane- S C N Reason For Abandonment WI Unique Well No. of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Material
(Keason) of Abandonnion	Pump and piping removed?
No longer in use ====	Liner(s) removed?
3: Well / Drillhole / Borehole Information Original Construction Date	Screen removed?
Monitoring Well	Casing left in place?
Water Well If a Well Construction Report is available,	Was casing cut off below surface? ✓ Yes □ No □ N/A
Borehole / Drillhole please attach.	Did sealing material rise to surface?
Construction Type:	Did material settle after 24 hours?
Drilled Driven (Sandpoint) Dug	If yes, was hole retopped?
Other (specify):	If bentonite chips were used, were they hydrated with water from a known safe source?
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
T. LIM II D. III. From Croundourface (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips) Other (Explain):
33.944	Sealing Materials
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
Was well annular space grouted?	Concrete Bentonite Chips For Monitoring Wells and Monitoring Well Boreholes Only:
If yes, to what depth (feet)? Depth to Water (feet)	Bentonite Chips Bentonite - Cement Grout
in jos, to mile depart,	Granular Bentonite Bentonite - Sand Slurry
5.⊮Material Used To Fill Well / Drillhole	From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or or Volume (circle one) Mud Weight
Bentonite Chips	Surface 33.974 450 16 9 600
6. Comments	
Casing Cut off 30" below grow	d surface
7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Sealing Work Date of Aba	ndonment Date Received Noted By
Coleman Engineering Co. 181	U-1 Number Comments
Street or Route Telephone I And T	74-3440
City State ZIP Code	Signature of Person-Doing Work Date Signed
Iron Mountain M1 49801	Dog Fotos 2-9-09

FORM B - MUNITURING WELL CONSTRUCTION FURIVE

ility License, Permit or Monitoring Number De of Well: Water Table Observation Well		DN. DE.	1	i
ility License, Permit or Monitoring Number	0.110	DS. A. DW.	MW-14DR	
e of Well: Water Table Observation Well	Grid Origin Location Lat. Long.	Or	Wis. Unique Well Number DNR	
Piezometer	St. Plane 43.214161		Date Well Installed	9,09
stance Well is From Waste/Source Boundary		. 30, T 9 N.R.17 E.W.		
tance wen is from the constant.	ft. Location of Well Relativ			•
Well A Point of Enforcement Std. Application?	U D Upgradient D D Downgradient	S □ Sidegradient N □ Not Known	Doug Langtagne Coleman Engineering	Co.
rotective pipe, top elevation	29 ft. MSL	1. Cap a	and lock?	J Yes D No
/ell casing, top elevation	L DOA. MSL		ctive cover pipe:	
and surface elevation 95	. 23 ft. MSL	b. L	side diameter: ength:	- 8 .0 _{in.} - 1 . 2 ft.
urface seal, bottom 849.73ft. MS	L or _1.5 ft.	c. M	laterial:	Steel 🕱 04 Other 🖸
USCS classification of soil near screen: GP GM GC GW SW SW SP			dditional protection? [☐ Yes ☐ No
USCS classification of soil near screen: GP G GM GC G GW SW SF SM SC ML MH CL CL	1"	3. Surfa	· · · · · · · · · · · · · · · · · · ·	ntonite 🔲 30
Bedrock Sieve analysis attached? DYes No		<u> </u>	narete co	Other 🛘 _
Dvilling method used Rotary 50		4. Mate	rial between well casing and protective pip	
Hollow Stem Auger 41		L.	intonite \$8011 Annular spa	ntonite 💢 30
	п.,	1 1 1 1 1 1 1 1 1 1		
Drilling fluid used: Water \Box 02 Air Drilling Mud 03 None	\Box_{99}^{01}	5. Annu b.	ular space seal; a. Granular Be Lbs/gal mud weight Bentonite-sand	ntonite X 33 I slurry D 35
		6	Lbs/gal mud weight Bentonite	slurry 🔲 31
Describe		G	Ft3 volume added for any of the abo	ove
7. Source of water (attach analysis):		4. Mater 5. Annu b	Tremie p	Tremie □ 01 oumped □ 02 Gravity 🏋 08
		6. Bent		ranules 🔀 33
Bentonite seal, top 935.23n MS	or 16.0 ft.	b. E	31/4 in. \$6/8 in. 131/2 in. Bentonite	pellets 🔲 32
Fine sand, top 833 . 23 ft. MS.	or <u>18</u> O ft.	7. Fine	•	
Filter pack, top 931 23ft. MS	L or 30.0 ft.	å i	sand material: Manufacturer, product name 1.5. 111 CA SIII CA Sand Volume addedft	<u> </u>
Screen joint, top 829 . 33 ft. MS	cor 219 ft	8. Filto	mpack material: Manufacturer, product m	esh size
Well bottom 819 33 _{ft. MS}		Ď. 1	Volume added ft	114 4
Filter pack, bottom 819 33ft. MS		9. Well	I casing: Flush threaded PVC sche Flush threaded PVC sche	dule 80 🛘 24
Borchole, bottom 820 33 ft. MS		10 500	en Material: Stainless Steel	Other 🛘
Borehole, diameter	B.O _{in.}		Screen type: Fact	tory cut in its cut
1. O.D. well casing	200 in.	1	Manufacturer	Other 🛘 _
. I.D. well casing	4.25 in.		Slot size: Slotted length:	0. [2] _ in. ft.
			kfill material (below filter pack):	None 🔀 14 Other 🗆
hereby certify that the information on this form is	true and correct to the best of	my knowledge.		

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:
	2: Facility / Owner Information
WI Unique Well No. DNR Well ID No. County	Facility Name
PL152 Dage	Ocononomowo Electroplating Facility Facility ID License/Permit/Monitoring No.
Common Men Marine	Facility ID License/Permit/Monitoring No.
TW-301D	Olivert Address of Mall
NW SE Section Township Range N 17 TW	Street Address of Well 2572 W. Oak Street
Well Location ft. / M (Local Grid) Datum	City, Village or Town
445722.88 MS 2393951.89 @/W 849.76	Ashippun
Zone	Present Well Owner USEPA USEPA
WTM- UTM- Latitude/Longitude- State Plane- S C N	Street Address or Route of Present Owner
Local Grid Origin ft. / M Datum	77 W. Jackson Blvd.
N,E/W	City State ZIP Code
Zone WTM- UTM- Latitude/Longitude- State Plane- S C N	Chicago IL 60604
WTM- UTM- Latitude/Longitude- State Plane- S	4. Pump, Liner, Screen, Casing & Sealing Material
No longer in use	Pump and piping removed?
3. Well / Drillhole / Borehole Information	Liner(s) removed?
Original Construction Date	Screen removed?
Monitoring Well 4/15/2003	Casing left in place? Lyes No N/A
Water Well If a Well Construction Report is available,	Was casing cut off below surface?
Borehole / Drillhole please attach.	Did sealing material rise to surface?
Construction Type:	Did material settle after 24 hours?
Drilled Driven (Sandpoint) Dug	If yes, was hole retopped?
Other (specify):	with water from a known safe source?
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped Screened & Poured Cyplain)
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	(Bentonite Chips)
27 feet Included Incl	Sealing Materials Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Sand-Cement (Concrete) Grout Glay-Sand Sidiry (11 ib. gail. wi.)
	Concrete Bentonite Chips
Was well annular space grouted? Yes Tho Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:
If yes, to what depth (feet)? Depth to Water (feet)	Bentonite - Cement Grout
	Granular Bentonite Bentonite - Sand Slurry
5. Material Used To Fill Well / Drillhole	From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or or Volume (circle one) Mud Weight
Bentomite Chips	Surface 27ft u4 165
6. Comments	
Entire well, caring, and screen ven	MOVEA.
7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Sealing Work Date of Aba	ndonment Date Received Noted By
Street of Parts Telephone	Number Comments
Sileer of Route	
City State ZIP Code	Signature of Person Doing Work Date Signed
Iron Mountain M1 49801	Lag Lesters 7-8-09

Department of Natural Resources Route To:		/astewater /Redevelopment	Waste Mar Other	nagement		MONITORING WEL Form 4400-113A	L CONSTRI Rev. 7-9	
	Tr1 Crid Loo	notion of Well				Well Name		
Facility/Project Name	Loom on the	ft. S. gin (estimated:	ft.	DE.		TW-	301D	
Oconomowoc Electroplating Company	Local Grid Ori	gin (estimated:) or V	Vell Locat	on 🛛	Wis. Unique Well No.	DNR Well N	lumber
Facility License, Permit or Monitoring No.	T at		ng		or	PL 152		(
77. 77.	C. Diese 4	445,723 ft. N, _	2,393,952	f F	S/C/N	Date Well Installed		
Facility ID	Section Location	on of Waste/Source					5/2003	
e cru ii	4			\ T \ T	17 ⊠E	Well Installed By: (Per	son's Name ar	nd Firm)
Type of Well	SE_1/4 of _	SE 1/4 of Sec3 ell Relative to Waste/S	00 , T9	_ N, R	Number	Tony	Kapugi	
Well Code 12/pz Distance from Waste/ Enf. Stds.	Location of We		idegradient	Gov. Lot	Milliper			
Apply -		gradient n 🗆 N				On-Site Er	nvironmental	
11.	48.76 ft MSL			l. Cap and	l lock?		⊠ Yes	s □ No
A. Protective pipe, top elevation			100 2	2. Protecti	ve cover pi	ipe:		
B. Well casing, top elevation 8	48.60 ft. MSL	1	" >	a. Inside	e diameter:		_	2.1 in.
	846.8_ ft. MSL			b. Leng	th:		_	4.0 ft.
C. Land surface elevation			- Alternational and a second	c. Mate	rial:			□ 04
D. Surface seal, bottom ft. MSI	. or f	t Signa				PVC	Other	× ×
12. USCS classification of soil near screen:		2000000	- AKONON		tional prote			s ⊠ No
	W□ SP 🛭	/ / / /	X /	If ye	s, describe:			
	L CH D			. O. £	1.		Bentonite	⊠ 30
Bedrock			₩ \ ':	3. Surface	seai:		Concrete	
	es 🛭 No		\				Other	
13. Sleve analysis and	ary □50			4. Materia	l between	well casing and protecti	ve pipe:	
14. Drilling method used: Rota Hollow Stem Aug	rer □41		▓	,			Bentonite	
Geoprobe Oth	ner 🛛 🖺		፠		Ben	tonite and sand	Other	
- Сеоргово	M 22		×	5 Annula	r enace sea	l: a. Granular/Chip	ned Bentonite	□ 33
Weter DO2:	Air □01					ud weight Bentoni		
15. Drilling fluid used: Water □ 0 2 Drilling Mud □ 0 3 No			XX		-	ud weight Be	•	
Drining wind 11 0 5 110						ite Bentonite		
16. Drilling additives used?	es ⊠No		₩ ·			volume added for any o		
10. Dilling additives user			▓		v installed:			□ 01
Describe							emie pumped	□ 02
17. Source of water (attach analysis, if require	xd):							□ 08
17. Source of Wales (Silvers)			₩ ,	6. Benton	te ceal·	a Rent	onite granules	□ 33
		J 👹	∅ / `	·		3/8 in. □ 1/2 in. B	_	
046.0	. 00	_ 🔉	₩ /					
E. Bentonite seal, top 846.8 ft. MSI	or0.0	11.	፟ / ′			: Manufacturer, produc		
·			\otimes / $/$					
F. Fine sand, top ft. MSI	_ or	п.	₩//				ft ³	121
005.0	21.0					al: Manufacturer, produ		sh size
G. Filter pack, top 825.8 ft. MS	L or21.0	ft.		-		Sidley, Ohio Sand #5	51 11d1110 & 1110	
0249 0 240	22.0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		a	me added		ît ³	27-25
H. Screen joint, top 824.8 ft. MS	L or22.0	7		9. Well ca		Flush threaded PV		⊠ 23
010.9	27.0	ft.	X	J. WGII Ca	sing.	Flush threaded PV		
I. Well bottom 819.8 ft. MS.	L or27.0					Tiddii tiiicadoo T V	Other	1971.52
010.0	27.0			0. Screen	motorial:	PVC	Other	
J. Filter pack, bottom819.8 ft. MS.	L or27.0	r.					Factory cut	. <u>LL</u>
-10.0	27.0	. /////		a. Scie	en Type:	C	ontinuous slot	
K. Borehole, bottom 819.8 ft. MS	L or27.0	π				C		
			X	h Mor	ufacturer	Monoflex	Other	L. <u>18.</u>
L. Borehole, diameter 2.5 in.				c. Slot		1,101,101		0.010 in.
					size: ted length:			5.0 ft.
M. O.D. well casing 1.50 in.						below filter pack):	None	<u> </u>
- 05			1	וואטוטע . ו	i marcinal (octow that packs.		
N. I.D. well casing 1.05 in.							Ome	خابث ب
			· lmondadaa	· · · · · · · · · · · · · · · · · · ·				
I hereby certify that the information on this fo	m is true and co	Firm DAT Inc	MIONICUEC.				m 1 (50.5)	
Signature		MVII, Inc.	l Trail Madiso	n W/ 531	717		Tel: (608)	

Please 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 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 sent.

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:
	2 Facility / Owner Information
	Facility Name
PLISI Dodge	Oconomoc Electroplating Facility
Common Well Marie	Facility ID License/Permit/Monitoring No.
TW-3015	Ohrand Address of Mall
NW SE Section Township Range RE 30 9 N 17 W	Street Address of Well 2572 W. Oak Street
Well Location ft. / M (Local Grid) Datum	City, Village or Town AShippun, WI
445721.13 DIS 2393952.84 DIW 848.58	Present Well Owner Original Well Owner
WTM UTM Latitude/Longitude State Plane S C N	USEPA USEPA Street Address or Route of Present Owner
Local Grid Origin ft. / M Datum	77 W. Tackson Blud.
N,E / WZone	City State ZIP Code IL 60604
WTM- UTM- Latitude/Longitude- State Plane- S C N	
Reason For Abandonment WI Unique Well No. of Replacement Well	
No longer in use	Pump and piping removed? Liner(s) removed? Yes No N/A Yes No N/A
3. Well-/ Drillhole / Borehole Information. Original Construction Date	Screen removed?
Monitoring Well 4/15/2003	Casing left in place?
Water Well If a Well Construction Report is available,	Was casing cut off below surface? ☐Yes ☒No ☐N/A
Borehole / Drillhole please attach.	Did sealing material rise to surface?
Construction Type:	Did material settle after 24 hours?
Drilled Driven (Sandpoint) Dug	If yes, was hole retopped?
Other (specify):	If bentonite chips were used, were they hydrated with water from a known safe source?
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	(Bentonite Chips)
15 feet I inch Lower Drillhole Diameter (in.) Casing Depth (ft.)	Sealing Materials Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
Was well appular space grouted? Yes No Unknown	Concrete Bentonite Chips
vvas weil annual space grounds.	For Monitoring Wells and Monitoring Well Boreholes Only:
If yes, to what depth (feet)? Depth to Water (feet)	Bentonite Chips Bentonite - Cement Grout
	Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant Mix Ratio or
5. Material Used To Fill Well / Drillhole	Prom (it.) 10 (it.) or Volume (circle one) Mud Weight
Bentonite chips	Surface 15ft - 3 1bs
6. Comments	
Entire well, casing, and screen remor	ed.
7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Sealing Work Date of Aba	
Coleman Engineering Co. 760	
Street or Route / Telephone i	Number Comments 74-3440
City State ZIP Code	Signature of Person Doing Work Date Signed
Iron Mountain, MI 49801	Dog Lotos 7-8-09

State of Wisconsin Department of Natural Resources	Route To:	Watershed/W	astewater Redevelopment	Waste Mana	agement	ســا	MONITORING W Form 4400-113A	ELL CONSTRU Rev. 7-98		1
		7 1 C .: 4 Y	otion of Wall				Well Name			_
Facility/Project Name			ftS gin (estimated:	ft.	DE. DW		T^{γ}	W-301S		
Oconomowoc Electroplating Facility License, Permit or Monito	Company pring No	Local Grid Orig	gin (estimated:) or We	ell Location	on 🛛	Wis. Unique Well N	Jo. DNR Well N	umber	
Facility License, Permit of Monte	, mg	T at		ng		" or	PL 151			
			45,721 ft. N, _				Date Well Installed			
Facility ID		St. Plane	on of Waste/Source	2,550,550	. 11. 15.	57 C/14	0-	4/15/2003		
						. ⊠E	Well Installed By:		nd Firm)	
Type of Well			SE 1/4 of Sec3			U W	Tr	ony Kapugi		
Well Code 11/mw	Stds.	Location of We	ell Relative to Waste/S	Source (degradient	Gov. Lot	Number		ту таприы		-
Distance from Waste	Jv	u 🗆 Upgrad		lot Known			On-Site	Environmental		
Source ft. Apr		d Downs			Cap and	lock?		⊠ Vec	□ No	=-
A. Protective pipe, top elevation	84	8.58 ft. MSL		- T	•	e cover pi	ne.	29 103	□ 170	
	84	8.46 ft. MSL		2.		diameter:			2.1 i	in
B. Well casing, top elevation			11 1		b. Lengt				4.0	ft.
C. Land surface elevation	8	46.8 ft. MSL		-	c. Mater			Ctaal	□ 04	
	ISM &	or fi	7.7.7.1 ·		C. Mater	iai.	PVC			
D. Surface scar, bottom		01 1.			4 444;+	ional prote		Uniter □ Yes		
12. USCS classification of soil	near screen:			X					D 140	
GP□ GM□ GC□	GW□ S	V D SP D			11 yes	, uescribe.			 57 20	
SM ☑ SC ☐ ML ☐	MH C	CH D		₿ \ `3.	Surface	seal:		Bentonite		
Bedrock □		E7.37		፠ \				Concrete Other		
13. Sieve analysis attached?	□ Y	es 🖾 No		3.						2
14 Drilling method used:		y □50		₩ 14.	Matenai	between	well casing and prote			
Ho	llow Stem Aug	er □41		₩ .		Dan	tonite and sand	Bentonite	6.222	
Geoprobe	Oth	er 🛛 💆		ቖ		Dell	tointe and said	Other		2
							l: a. Granular/C			
15. Drilling fluid used: Water		ir □01					ud weight Bent			
Drilling Muc	1 □03 No	ne ⊠99		⊗ c	:	Lbs/gal m	ud weight			
				XX4				nite-cement grout	□ 50	r
16. Drilling additives used?	□ Y	es 🖾 No		⊗ e	.	Ft ³	volume added for an	y of the above		
				∭ f	f. How	installed:		Tremie	□ 01	
Describe								Tremie pumped	□ 02	
17. Source of water (attach ana	lysis, if require	d):		▩				Gravity	□ 08	
1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			₩	₿ 6.	. Bentoni	te seal:	a. B	entonite granules	□ 33	
			⊠ .	X	ъ. 🗆 1/	/4 in. ⊠:	3/8 in. 🗆 1/2 in.	-		
	0460 0 200	or0.0	₽ 🐰		c			Other		100
E. Bentonite seal, top	040:0 It. MSL	01	" 🗎	⋈ / .7.	. Fine san	d material	: Manufacturer, pro	duct name & mes	h size	
	C > 40Y		. \ X	\boxtimes / /	a		Not Applicable			Ĩ.
F. Fine sand, top	ft. MSL	or	/ / / / / /	`		me added		ft³		•
	0260 0 2601	or <u>10.0</u>		.8.			al: Manufacturer, pre		sh size	
G. Filter pack, top	836.8 ft. MSL	or 10.0	"		-		Sidley, Ohio Sand			£
	0260 - 107	or 10.0			a	ne added		ft ³		-
H. Screen joint, top	836.8 ft. MSI	or			. Well cas			PVC schedule 40	⊠ 23	
	0010	15.0	ft.	1	. WCII Cas	amg.		PVC schedule 80		
I. Well bottom	831.8 ft. MSI	or15.0	" / []				I hash thi caded .	Other	13177	
		15.0		1.0	C	naterial:	PV		965	
J. Filter pack, bottom	831.8 ft. MSI	or15.0	п	_10 .					E 11	-
•	_	15.0			a. Scree	en Type:		Factory cut		
K. Borehole, bottom	831.8 ft. MSI	or15.0	ft					Continuous slot		
,				※	2 34	ufacturer	Monofle			£
L. Borehole, diameter	2.5 in.						Wilding		0.010 i	
					c. Slot				5.0	
M. O.D. well casing	1.50 in.			\ ,,		ed length:	1)	 }``		
				11	. Dackiill	пыста (below filter pack):		□ 33	
N. I.D. well casing	1.05 in.							Otner		:
										_
I hereby certify that the inform	nation on this for	m is true and co	rrect to the best of my	knowledge.		<u> </u>				
Signature MM (A)			RMT, Inc.					Tel: (608)		
			744 Heartlan	d Trail Madison	, WI 537	'17		Fax: (608)	831-333	4

Please 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 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 sent.

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:				
	2. Facility / Owner Information				
WI Unique Well No. DNR Well ID No. County	Facility Name				
PLI33 Dodge	Oconomowoc Electroplating Facility				
Common Well Name Gov't Lot # (if applicable)	Facility ID License/Permit/Monitoring No.				
1/4 1/4 Section Township Range E	Street Address of Well				
NW SE 30 9 N 17 AW	2572 W. Oak Street				
Well Location ft. / M (Local Grid) Datum	City, Village or Town				
445908.42 0/5 2393690.73 @/W 850.30	HSUPPUM, WI Present Well Owner Original Well Owner				
Zone	USEPA USEPA				
WTM- UTM- Latitude/Longitude- State Plane- S C N Local Grid Origin	Street Address or Route of Present Owner				
Local Olid Origin [IL]/[M]	77 W. Jackson Blud				
N,E / WZone	City State ZIP Code				
WTM- UTM- Latitude/Longitude- State Plane- S C N	Chicago IL 60604				
Reason For Abandonment WI Unique Well No. of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Material				
No longer in use	Pump and piping removed?				
3. Well / Drillhole / Borehole Information	Liner(s) removed?				
Original Construction Date Monitoring Well 4/15/2003	Screen removed?				
	Casing left in place?				
Water Well If a Well Construction Report is available, please attach.	Was casing cut off below surface? ☐Yes ☒No ☐N/A				
Construction Type:	Did sealing material rise to surface? Did material settle after 24 hours? Did material settle after 24 hours? Yes No N/A				
Drilled Driven (Sandpoint)	Did material settle after 24 hours? If yes, was hole retopped? □Yes □No □N/A □Yes □No □N/A				
Other (specify):	If bentonite chips were used, were they hydrated				
	with water from a known safe source? No Why/A Required Method of Placing Sealing Material				
Formation Type: Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped				
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips) Other (Explain):				
9 feet 1 inch	Sealing Materials				
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)				
	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry "				
Was well annular space grouted? Yes INO Unknown	☐ Concrete ☐ Bentonite Chips For Monitoring Wells and Monitoring Well Boreholes Only:				
If yes, to what depth (feet)? Depth to Water (feet)	Bentonite Chips Bentonite - Cement Grout				
	Granular Bentonite Bentonite - Sand Slurry				
5. Material Used To Fill Well / Drillhole	From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or Or Volume (circle one) Mud Weight				
Bentonite Chips	Surface 9 ft w 2 1 hs				
parinte cups					
6. Comments					
Entire well, casing, and Screen in	emored .				
7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Sealing Work Date of Aba	ndonment Date Received Noted By				
Street of Route Telephone	Number Comments				
Officer of Mode	74-3440				
City State ZIP Code	Signature of Person-Doing Work Date Signed				
Iron Mountain MI 49801	Log Failer 5 7-8-09				

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater Remediation/Redevelopmen		agement \square	MONITORING WELL Form 4400-113A	L CONSTRI Rev. 7-9	
	T agal Grid Location of Well			Well Name		
Facility/Project Name	Local Grid Decards N. N. S. Local Grid Origin (esti	ft.	□ E. □ W.	TW-	201S	
Oconomowoc Electroplating Company Facility License, Permit or Monitoring No.	Local Grid Origin (est	imated: []) or W	ell Location 🛛	Wis. Unique Well No.	DNR Well N	lumber
Facility Electise, 1 cities of 17203777	Lat	Long	or	PL 133		
Facility ID	St. Plane 445,908 ft.	N. 2,393,691	ft. E. S/C/N	Date Well Installed		
Tacing ID	Section Location of Waste/Sc	ource			5/2003	
Type of Well	NW 1/4 of SE 1/4 of S		N P 17 FIW	Well Installed By: (Pers	son's Name a	nd Firm)
Well Code 11/mw	Location of Well Relative to	Waste/Source	Gov. Lot Number	Tony I	Kapugi	
Distance from Waste/ Enf. Stds.		Sidegradient	GOV. LOI INBINDO			
Source ft. Apply	d □ Downgradient n			On-Site En	vironmental	
AL.	50.55 ft. MSL	· 1	. Cap and lock?		⊠ Yes	. □ No
A. Protective pipe, top elevation		2	Protective cover p	ipe:		
B. Well casing, top elevation8.	50.30 ft. MSL	'IHI'	a. Inside diameter:		_	2.1 in.
	849.3 ft. MSL <		b. Length:		_	<u>4.0</u> ft.
C. Land surface elevation			c. Material:		Steel	□ 04
D. Surface seal, bottom ft. MSI	or ft.			PVC	Other	X
12. USCS classification of soil near screen:	6/26//6/)	. A CONTON	d. Additional prote			⊠ No
	w□ SP 🛛 🖊 '	M 114 /	If yes, describe:			_
	CH 🗆	M M / / "	0		Bentonite	⊠ 30
Bedrock □		⊗ ⊗ \ 3.	. Surface seal:		Concrete	□ 01
13. Sieve analysis attached?	es ⊠ No					
15. Sleve allalysis actuons—	ary □50	₩ ₩ `4	. Material between	well casing and protectiv		
14. Drilling method used: Rota Hollow Stern Aug				•	Bentonite	□ 30
Geoprobe Oth	ner 🛛 🌌	· ⊠	Ben	tonite and sand	Other	DI S
Geoprobe	101 25 25 25	₩ ,		l: a. Granular/Chipp		
T. 1. 177-1-1702	Air 🗆 0 1			nud weight Bentonite		
15. Drilling fluid used: Water □ 0 2 A Drilling Mud □ 0 3 No		KWI KWI		-	ntonite slurry	
Drilling Mud C103 140	no 250	NX0 NX0	1% Benton		cement grout	
16. Drilling additives used?	es ⊠ No	1 000 1000 1		volume added for any of		LJ 50
16. Drilling additives used:		XXX XXX	f. How installed:			□ 01
D			i. 110W mounes.		emie pumped	
Describe	:d):			110		□ 02 □ 08
17. Source of Water (attach analysis, 1774	′		n 4. 4	- D		
		KX KX / -	Bentonite seal:		nite granules	
		7		3/8 in. □ 1/2 in. Be		
E. Bentonite seal, top 849.3 ft. MSI	or0.0 ft.			. M		
				: Manufacturer, product	name & mesi	1 SIZE
F. Fine sand, top ft. MSI	or ft. \		a	Not Applicable		
		ASSET ISSUED IN	b. Volume added			
G. Filter pack, top 846.3 ft. MSI	or3.0 ft.	8	. Filter pack materia	al: Manufacturer, produc	it name & mes	990701.91
			a	Sidley, Ohio Sand #5		
H. Screen joint, top 845.3 ft. MSI	Lor4.0 ft.		b. Volume added	ft		
•) b	. Well casing:	Flush threaded PVC		
I. Well bottom 840.3 ft. MSI	Lor9.0 ft.			Flush threaded PVC		1,456.75
					Other	
J. Filter pack, bottom 840.3 ft. MSI	Lor9.0 ft.	10.	. Screen material: .	PVC		
3. The pask, comme			 a. Screen Type: 		Factory cut	⊠ 11
K. Borehole, bottom 840.3 ft. MSI	Lor9.0 ft.			Cor	ntinuous slot	□ 01
K. Boleliole, cottom		<i>\(\(\)</i>			Other	
L. Borehole, diameter 2.5 in.		VIIIIA	 b. Manufacturer 	Monoflex		
D. DOICHOIC, diameter	•		c. Slot size:			0.010 in.
M. O.D. well casing 1.50 in.			d. Slotted length:			5.0 ft.
M. O.D. well casing in.		`11.	. Backfill material (below filter pack):		⊠ 14
N ID well casing 1.05 in.					Other	
N. I.D. Well casing						
I hereby certify that the information on this for	rm is true and correct to the bes	t of my knowledge.				
Signature	Firm RMT,	Inc.			Tel: (608)	831-4444
144/12	744 He	eartland Trail Madison		<u> </u>	Fax: (608)	831-3334
1 10 0161	112D and return them to the approp	riate DNR office and bur	ean. Completion of th	ese reports is required by ch		

Please 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 cls. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with cls. 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 sent.

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

Route to: Drinking Water Watershed/Wastewater Waste Management	Remediation/Redevelopment Other:				
	2. Facility//Owner Information				
I OOROHA MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Facility Name				
PL 134 Dadge	Oconomono Electroplating Facility				
Common Well Name Gov't Lot # (if applicable)	Facility ID License/Permit/Monitoring No.				
	Street Address of Well				
NW SE 30 9 N 17 DW	2572 W Oak Street				
Well Location ft. / M (Local Grid) Datum	City, Village or Town				
445907. 64 Mis 2393689.51 DIW 850,87	Present Well Owner Original Well Owner				
Zone WTM- UTM- Latitude/Longitude- State Plane- S C N	USEPA USEPA				
Local Grid Origin R. / M Datum	Street Address or Route of Present Owner				
	77 W. Jackson Blvd. City. State ZIP Code.				
Zone	Chicago IL 60604				
WIND CIN L	4. Pump: Liner: Screen, Casing & Sealing Material				
Reason For Abandonment WI Unique Well No. of Replacement Well No Longer in use	Pump and piping removed?				
3) Well / Drillhole / Borehole Information	Liner(s) removed?				
Original Construction Date	Screen removed? Yes No N/A				
Monitoring Well 4/16/2003	Casing left in place?				
Water Well If a Well Construction Report is available,	Was casing cut off below surface?				
Borehole / Drillhole please attach.	Did sealing material rise to surface?				
Construction Type:	Did material settle after 24 hours?				
Drilled Driven (Sandpoint) Dug	If yes, was hole retopped?				
Other (specify):	If bentonite chips were used, were they hydrated with water from a known safe source?				
Formation Type:	Required Method of Placing Sealing Material				
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped				
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips) Other (Explain):				
22 feet linch	Sealing Materials				
Lower Drillhole Diameter (in.) Casing Depth (ft.)	Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)				
	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry "				
Was well annular space grouted? Yes No Unknown	Concrete Bentonite Chips				
If yes, to what depth (feet)? Depth to Water (feet)	For Monitoring Wells and Monitoring Well Boreholes Only: Bentonite Chips Bentonite - Cement Grout				
n yos, to what dopor (1991)	Granular Bentonite Bentonite - Cernent Glout Bentonite - Sand Slurry				
5. Material Used To Fill Well / Drillhole	From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or Volume (circle one) Mud Weight				
Beytonite Chips	Surface 22ft u 3/bs				
John Mil Co. P.S.					
6. Comments					
Entire well, casing, and screen	removed.				
7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Sealing Work Date of Aba	ndonment Date Received Noted By				
Coleman Engineering Co. 176	109				
Street or Route . Telephone I	Number Comments				
635 Circle Drive (906)7	14-5440				
City State ZIP Code MI 49801	Signature of Person Doing Work Date Signed				
Iron Mountain MI 49001	1000				

State of Wisconsin Department of Natural Resources	Route To:		astewater Redevelopment	Waste Man	agement [MONITORING WEI Form 4400-113A	LL CONSTRI Rev. 7-9	
Facility/Project Name		Local Grid Loc	ation of Well			Well Name		
	omnany		ft S gin (estimated:	ft.	L E.	TW-	-201D	
Oconomowoc Electroplating C Facility License, Permit or Monitor	ing No.	Local Grid Orig	gin (estimated:) or W	ell Location 🖂	Wis. Unique Well No.	DNR Well N	lumber
Facility License, 1 citize of 1		Lat.		ıg <u>°</u>	or	PL 134		
Facility ID		St. Plane 4	45,908 ft. N, _	2,393,690	fl. E. S/C/N	Date Well Installed		
1 acmity 1			on of Waste/Source				5/2003	
Type of Well		NW 1/4 of	SE 1/4 of Sec. 3	0 r 9	NR 17 DW	Well Installed By: (Pe	rson's Name a	nd Firm)
Well Code 12/pz		1 ocation of W	ell Relative to Waste/S	Source	Gov. Lot Number	Tony	[,] Kapugi	
Distance from Waste/ Enf. S	Stds.	u D Upgra		degradient	007. <u>201 1411</u>			
Source ft. Apply	у 🗖	d 🗆 Down	gradient n 🗆 N	ot Known		On-Site E	nvironmental	
	85	1.00 ft. MSL			. Cap and lock?		Yes	i □ No
A. Protective pipe, top elevation				2	. Protective cover p	ipe:		
B. Well casing, top elevation	83	0.87 ft. MSL	— 1H	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	 a. Inside diameter 	•	_	2.1 in.
		49.3 ft. MSL			b. Length:			4.0 ft.
C. Land surface elevation				EVEV	c. Material:			□ 04
D. Surface seal, bottom	ft. MSL	or fi		X/16/16/16		PVC	Other	
12. USCS classification of soil ne	ear screen:			· AKOKOK	d. Additional prot	ection?	☐ Yes	⊠ No
	GW□ S\	V □ SP ⊠	/ 11		If yes, describe	:		_
GP□ GM□ GC□ SM Ø SC□ ML□		CH 🗆		å / /,	. Surface seal:		Bentonite	⊠ 30
Bedrock □				3	. Surface scar.		Concrete	
13. Sieve analysis attached?	□ Ye	es ⊠No		× · \			Other	
	Rota	y □50		₩ \4	. Material between	well casing and protecti	ve pipe:	
14. Drilling method used:	ow Stem Aug						Bentonite	□ 30
Geoprobe	Oth	er 🖾 🚾		▩	Ber	ntonite and sand	Other	\boxtimes
Goopies				5	. Annular space sea	ıl: a. Granular/Chip	ped Bentonite	□ 33
15. Drilling fluid used: Water	□02 A	ir 🗆 0 1		xxt	-	nud weight Benton		
Drilling Mud Drilling Mud		ıe ⊠99				nud weight B		
Diffully iving					d% Benton		e-cement grout	
16. Drilling additives used?	□ Y	es 🖾 No		~~1		volume added for any o		
10. Dinning additives asset				VX	f. How installed	-		□ 01
Describe							remie pumped	
17. Source of water (attach analy	sis, if required	l):		ቖ		_		□ 08
17. Source of water (assessed)				₩ .	. Bentonite seal:	a Rent	tonite granules	
			」	∅ / °		3/8 in. □ 1/2 in. □	_	
		0.0		፠ /		5/6 til. 1/2 til. 1/2	-	3.5 2722
E. Bentonite seal, top84	49.3 ft. MSL	or0.0	tt. 🚫 🐰	₩ / 7		l: Manufacturer, produc		
			_ \	፠ / /'		NI-+ A1:1-1-	or marine or mesi	T SIZE
F. Fine sand, top	ft. MSL	or		፠//	a b. Volume added		ft³	كفائقنا سسا
		160		3 / ,8		al: Manufacturer, produ		_t_:
G. Filter pack, top 8	33.3 ft. MSL	or16.0	ft. \	/ /°	-	Sidley, Ohio Sand #5		1 - 22 -4012
	·	17.0			a		ft³	
H. Screen joint, top8	32.3 ft. MSL	or17.0	ft.	\mathbb{Z} / .	b. Volume added			ET 0.3
		22.0)/ 9	. Well casing:	Flush threaded PV		
I. Well bottom 8	27.3 ft. MSL	or <u>22.0</u>	ft. <	Š.		Flush threaded PV		2000
-		20.0	ft.	1		PVC	Other	
J. Filter pack, bottom8	27.3 ft. MSL	or <u>22.0</u>	ft.	<u> </u> 10). Screen material:	FYC		<u>531</u>
			V////	7	a. Screen Type:	_	Factory cut	
K. Borehole, bottom8	18.3 ft. MSL	or31.0	ft			C	ontinuous slot	
Te Bolomer,			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	×		Monoflex	Other	
L. Borehole, diameter2	2.5 in.		VIIII		b. Manufacturer	MODULEX		0.010
<u></u>					c. Slot size:		_	0.010 in.
M. O.D. well casing 1.	50 in.			\	d. Slotted length:			5.0 ft.
171. 0.2				` 11	. Backfill material	(below filter pack):		⊠ 14
N. I.D. well casing1.	05 in.						Other	
								· · · · · · · · · · · · · · · · · · ·
I hereby certify that the informat	ion on this for	n is true and co	rrect to the best of my	knowledge.				
Signature 11X1			RMT, Inc.				Tel: (608)	
- / MAN (S)			744 Heartland	Trail Madisor	ı, WI 53717		Fax: (608)	831-3334

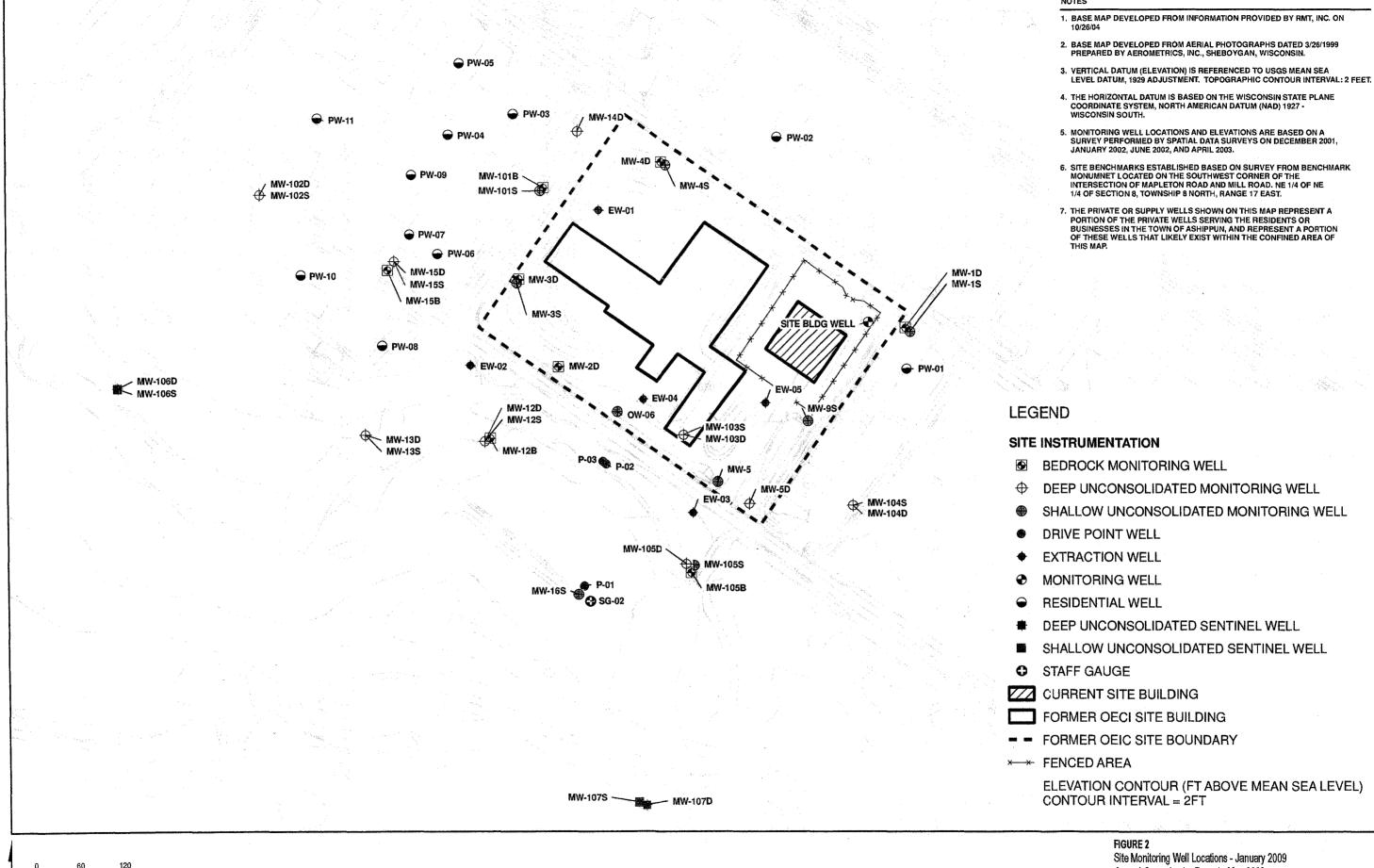
Please complete both Forms 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. 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 sent.

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

Route to:		M	· · · /		
Drinking Water Watershed/Wast	tewater	Remediation/Redev	Colorania de la companya de la comp		
	ARTHUR TO STATE OF THE STATE OF	2 Facility / Owner I	nformation		
WI Unique Well No. DNR Well ID No.	>. County	Facility Name	Televila platin	a Easi	
<u> </u>	Dodge		Electroplatine		
Common Well Name	Gov't Lot # (if applicable)	Facility ID	License/Permit/M	lonitoring No.	
MW-5					
%/% Section	Township Range E	Street Address of Well 2572 W. 0	at Chin		
NW SE 30	9 N		ak Street		
Well Location ft. / M (Local Grid) Datum	City, Village or Town AShippun, L	. 11		
445775.85 MIS 239	4005.19 @ W 849.07	Present Well Owner		11 0	
	Zone	1)CFPA	Original We	owner ∆	
WTM- UTM- Latitude/Longitude	e- State Plane S C N	Street Address or Route			
Local Grid Origin ft. / M	Datum	1	ackson Blvo	1.	
N,	E/W	City	State		
	Zone	Chicago		L 60604	
WTM- UTM- Latitude/Longitude		A Duma Isaac Sac	en: Casing & Sealing N		
Reason For Abandonment WI	Unique Well No. of Replacement Wel			SECTION OF THE PROPERTY OF THE	
Damaged		Pump and piping rem	noved?	Yes ∐No ⊠N/A	
3: Well / Drillhole / Borehole Inform	Table 1	Liner(s) removed?		. ∐Yes ∐No ⊠N/A	
	Construction Date	Screen removed?		∐Yes ∠No ☑N/A	
Monitoring Well	17/1988	Casing left in place?		Lyes No LNA	
	ell Construction Report is available,	Was casing cut off be	elow surface?	⊠Yes □No □N/A	
Borehole / Drillhole please	attach.	Did sealing material r	ise to surface?	Nes □No □N/A	
Construction Type:		Did material settle aft	er 24 hours?	□Yes ☒No □N/A	
Drilled Driven (Sandpo	int) Dug	If yes, was hole r	etopped?	□Yes □No N/A	
Other (specify):		If bentonite chips were	e used, were they hydrated wn safe source?		
Formation Type:		Required Method of Place		LYes LINo KHA	
	Bedrock	Conductor Pipe-Gr	·	Pumped	
Z removindated to make the contract of the con		Screened & Poured Other /Explain)			
Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)		(Bentonite Chips) Sealing Materials			
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Neat Cement Grou	t Clave	Sand Slurry (11 lb./gal. wt.)	
LOWER Diffinion Diameter (in.)		Sand-Cement (Cor		onite-Sand Slurry " "	
		Concrete		onite Chips	
Was well annular space grouted?	Yes No Unknown	1	Monitoring Well Boreholes		
If yes, to what depth (feet)?	epth to Water (feet)	Bentonite Chips	Bentonite - (Cement Grout	
		Granular Bentonite	Bentonite - S	Sand Slurry	
5. Material Used To Fill Well / Drillhol	e la	From (ft.) To (ft.)	No. Yards, Sacks Seal		
		Surface 13-f+	or Volume (circle one	Mud Weight	
Bentonite Chips		Surface 1011	12100		
			<u> </u>		
6. Comments					
*			•		
7. Supervision of Work			DNR Use	Only	
Name of Person or Firm Doing Sealing V	Vork Date of Aba	ndoament Date	Received Noted By	All Laboratory and the Control of th	
Coleman Engineeri		09	motion by		
Street or Route	Telephone		nents		
635 Circle Drive.	906,7		aren de la composición del composición de la com		
City			Signature of Person Doing Work Date		
Iron Mountain	State ZIP Code M 4980	I Las fat	79	7-8-01	
		77		······································	



Annual Groundwater Report - May 2009 OECI Site