

7494

Notice: Prior department approval is required for the construction, reconstruction or operation of a high capacity well or system of high capacity wells in accordance with Section NR 812.09(4)(a), Wisconsin Administrative Code. Personally identifiable information collected on this form, including such data as your name, address and phone number, will be used for management of department programs and is unlikely to be used for other purposes. This information will be addressable under Wisconsin's Open Records Laws, ss. 19.32 - 19.39, Wis. Stats.

RECEIVED-DNR

Project Name and Description

Project Name and Description
Mendota County Park Pumping Station

AUG 8 2016

Dewatering System Property Owner

DRINKING WATER & GW

Name and Title Dane County		Company Dane County		
Street Address 210 Martin Luther King Jr. Blvd.	City Madison	State WI	ZIP Code 53703	Contact Person
Telephone Number 608-224-3766	Fax Number	E-Mail Address marsh@countyofdane.com		

Dewatering System Operator

Name and Title Terry Hughes - President		Company E & N Hughes Co. Inc.		
Street Address N2629 Coplien Road	City Monroe	State WI	ZIP Code 53566	Contact Person Terry Hughes
Telephone Number (608) 328-4215	Fax Number (608) 328-1809	E-Mail Address enhughes@tds.net		

Proposed Dewatering System Location

Quarter of the Quarter NW 1/4 of the SE 1/4	Quarter or Government Lot Number	Section Number or French Long Lot Number 6		
Township T 07 N	Range R 09	<input type="checkbox"/> East <input type="checkbox"/> West	<input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Civil Town	OF Westport County Dane

Street or Grid Address (fire number)

Dewatering System Operation

Name of Nearest Public Utility Well City of Middleton	Proposed Total Average Pumpage per Day 288,000	Proposed Total Maximum Pumpage per Day 720,000 gallons	
Distance from Public Utility Well 900	<input checked="" type="checkbox"/> Feet <input type="checkbox"/> Miles	Discharge Location Description (e.g. storm sewer, drainage swale, settling basin, etc.) Settling basin to Lake Mendota	
Direction (e.g. WNW) to Public Utility Well NW	Total Number of Dewatering Wells/Points in Project 3		
Proposed Pump (Dewatering System) Capacity 720,000 gallons per minute	Number of Wells/Points in Use at Any Given Time 3		
Dewatering Project Start Date (MM/DD/YYYY) 9/15/16	Dewatering Project Completion Date (MM/DD/YYYY) 11/15/16		
Proposed Aquifer Formation 0 - 40 Sand	At a Depth of: 0 - 40'	Static Water Level -8'	Proposed Dewatering Water Level -16'

Well Construction

Total well depth (feet) 32	Borehole diameter (inches) 12	Drilling method (e.g. rotary, jetting, percussion, etc.) Jetting	
Geologic formations to be penetrated by well (e.g. sand, gravel, clay, sandstone, limestone, etc.) Sand			
Casing depth (feet) 32	Well casing wall thickness (in.) 250 Wall	Casing material (e.g. steel, schedule 40 PVC) Steel	Casing diameter (inches) 8"

High Capacity Dewatering Well Application

Form 3300-258 (R 9/02)

Page 2 of 4

Well Construction (continued)

Method of connecting well casing segments <input checked="" type="checkbox"/> weld <input type="checkbox"/> solvent weld <input type="checkbox"/> threaded/mechanical		Height of well casing termination above local ground elevation (in) 2'	
Well screen material (e.g. wire wound steel, slotted PVC) Steel		Well screen length (ft) 20'	Well screen diameter (in) 8"
Method of attaching screen to well casing or placing screen Arc weld		Type of well screen <input checked="" type="checkbox"/> wire wound <input type="checkbox"/> slotted pipe	Engineered gravel pack around screen <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Annular space seal material (e.g. bentonite, cement, native material) Bentonite		Method of placing annular seal (e.g. tremie pipe) Hand shovel	

Pump Installation

Pump type (e.g. submersible, vacuum) 5 HP submersible	Individual pump capacity (gpm) 500 GPM	Well seal type and design Simmon	Check valve location Top of well
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Well Abandonment

Well abandonment method (e.g. fill with bentonite, collapsing formation, etc.)
Collapsing formation topped with bentonite

Enclosures

- Plat map (project location marked)
- Engineering plan map of project (do not submit complete set of plans)
- Contamination sites (BRRTS information) with well locations and discharge location
(www.dnr.state.wi.us/org/aw/rr/brrts/index.htm)
- Well construction diagram with dimensions
- Drawing of manifold design if multiple wells are connected together
- Discharge drawing
- If WPDES permit already issued, attach copy **Attached & applied for**

Variance Request Signature

Are you requesting a variance for the proposed well(s) to have less than 25 feet of casing or for a variance to any part of ch. NR 812, Wis. Adm. Code? If yes, property owner signature required.

Property Owner Signature	Date Signed
--------------------------	-------------

Applicant

Name: Last Hughes	First Terry	MI L.	Signature
Street Address N2629 Coplien Rd	City	State WI	ZIP Code 53566
Company Name E & N Hughes Co. Inc.	(Area Code) Telephone Number 608-328-4215	Date (mm/dd/yyyy) 08/05/2016	
E-Mail Address enhughes@tds.net			

Department Use Only

Receipt Date (mm/dd/yyyy)	Response Date (mm/dd/yyyy)
Review Engineer	Authorized Signature
Calculated Public Utility Well Drawdown Value or No Expected Impact Judgement Feet <input type="checkbox"/> No Expected Significant Impact	Action: Conditions of approval are attached if approved. <input type="checkbox"/> Approved <input type="checkbox"/> Denied

Farmland Values, Soil Survey and GIS Maps

LARWOOD HILLS

NORTH LAKE

SHORECREST

BISHOP'S BAY

SUNRISE

HIGHLAND

BASIN HILLS

PARKSIDE HEIGHTS

AMHERST

SAK'S WOODS

MEADOWS

STONEFIELD

Branch Rd
Pleasant Branch Rd
Pleasant Branch Rd
Donna Dr
Park St
Allen Blvd
University Ave

Corn	32.5%
Soybeans	29.2%
Winter Wheat	15.9%
Unknown	22.4%

2014

1,234 ac

Broward County, Iowa

23N 7E-26

[View sample report](#)

Google



Town of Westport WI Mendota County Park Pump Station



Legend

- Open Site (ongoing cleanup)
- ◻ Open Site Boundary
- Closed Site (completed cleanup)
- ◻ Closed Site Boundary
- Groundwater Contamination
- Soil Contamination
- Groundwater and Soil Contamination
- Contamination From Another Property
- Dryclean Environmental Response Fund (DERF)
- Green Space Grant (2004-2009)
- Ready for Reuse
- Site Assessment Grant (2001-2009)
- State Funded Response
- Sustainable Urban Development Zone (§)
- General Liability Clarification Letters
- Superfund NPL
- Voluntary Party Liability Exemption
- Rivers and Streams
- Open Water
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
- Interstate Highway
- State Highway
- US Highway

Notes

High Capacity Dewatering Wells
 WPDES Construction Pit Permit

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying accuracy, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wis.gov/legal/>

Note: **Not all sites are mapped.**

0.2 Miles

0 0.08

0

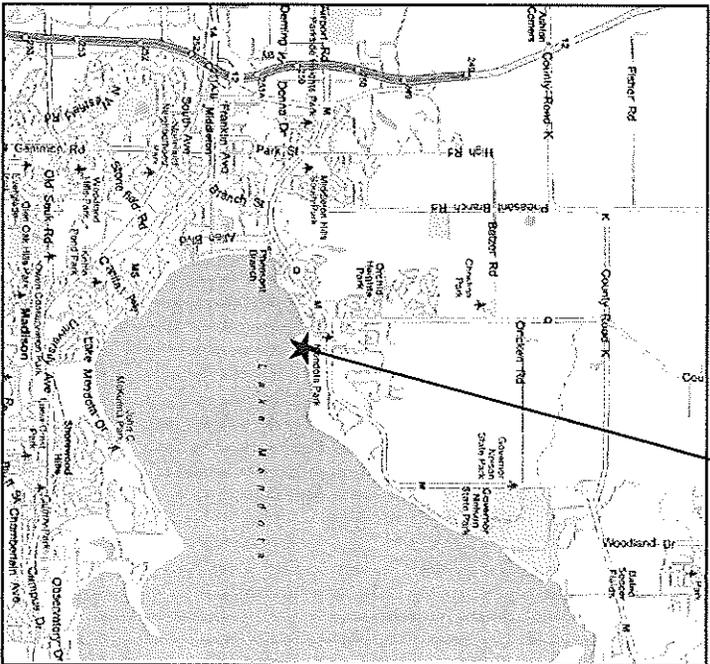
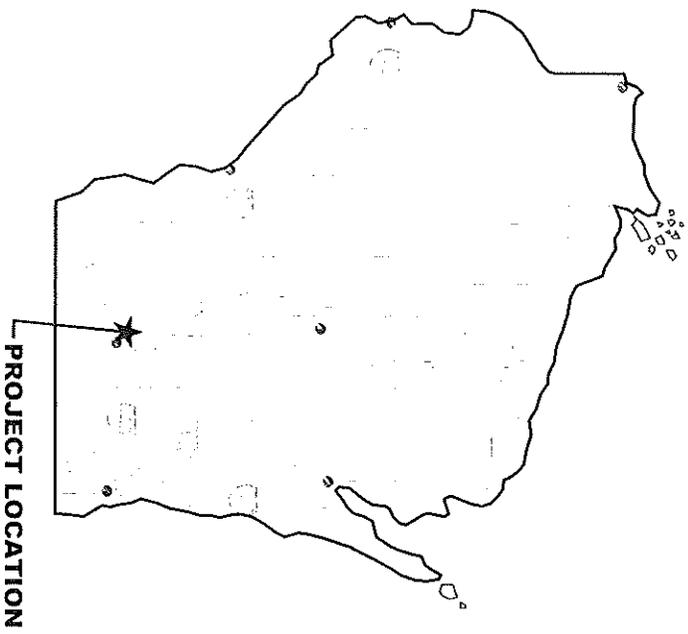
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0 West Wingra Drive
 Madison, WI 53715
 8-251-4843
 8-251-8655 fax
 www.strand.com



MENDOTA COUNTY
 PARK PUMPING STATION

PROJECT LOCATION MAP
 NO SCALE

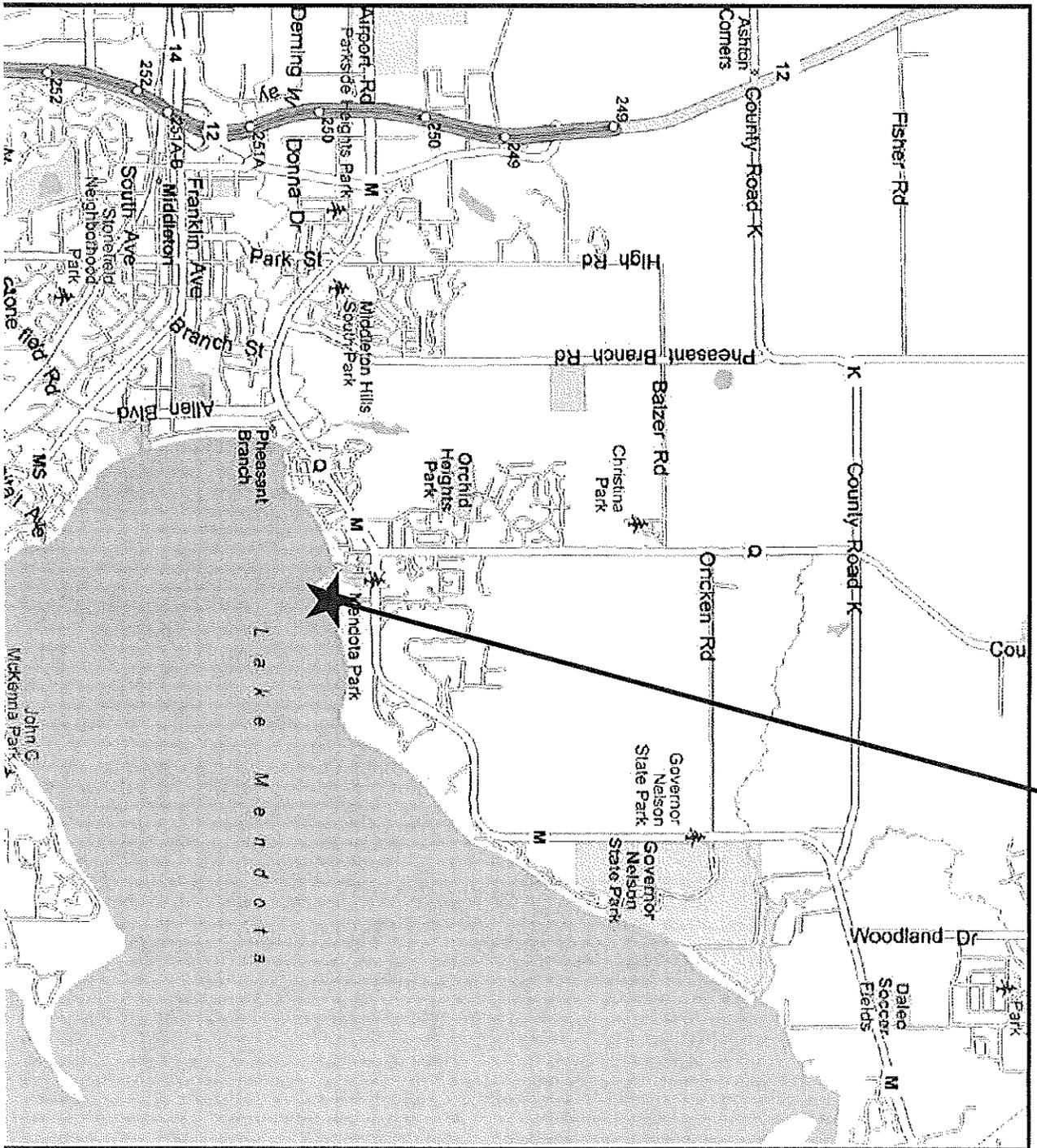


DRAWING LIST
 SHEET NO. DRAWING

1	G0.0'
2	G0.0'
3	G0.0'
4	G0.0'
5	D1.0'
6	CME1.
7	CME1.
8	E6.0'
9	M5.0'



MENDOTA COUNTY PARK PUMPING STATION



SECTION IV: ELIGIBILITY CHECKLIST

3. To the fullest extent of your knowledge, does your discharge contain any of the substances listed below or other substances that would be harmful to animal, plant, aquatic life (metals, volatile compounds, etc.)?

- | | | |
|---------------------|---------------------|-------------------------------------|
| alpha-BHC | 4,4'-DDT | Polychlorinated Biphenyls (PCB) |
| beta-BHC | Dieldrin | Pentachlorobenzene |
| gamma-BHC (Lindane) | Hexachlorobenzene | Photomirex |
| delta-BHC | Hexachlorobutadiene | 1,2,3,4-Tetrachlorobenzene |
| Chlordane | Mercury | 1,2,4,5-Tetrachlorobenzene |
| 1,1'-DDD | Mirex | 2,3,7,8-Tetrachlorodibenzo-p-dioxin |
| 1,1'-DDE | Octachlorostyrene | Toxaphene |

- No. Continue on to question #4.
 Yes. Your discharge is not eligible for this General Permit. Skip the rest of the checklist and complete the signatory requirements in Section V. Contact the Department to obtain application for an individual WPDES discharge permit.

4. Does your discharge flow to a wetland?

- No. This is the end of the checklist. Complete the signatory requirements in section V.
 Yes. The Department will need to determine if your discharge causes significant adverse impacts to wetlands.

For Department Use Only

NR 403 Completed
 N/A

SECTION V: SIGNATORY REQUIREMENTS

Signature of person completing this form, attesting to the accuracy and completeness of the statements made.

Date Signed

[Handwritten Signature]

7-30-16

Typed or Printed Name and Title

JAMES WARKEN

Phone #

608-385-4286

This form must be signed by the official representative of the permitted facility who is: the owner, the sole proprietor for a sole proprietorship, a general partner for a partnership, a ranking elected official or other duly authorized representative for a unit of government, a manager for a limited liability company, or a responsible corporate officer of at least the level of manager having overall responsibility for the operation of the facility for a corporation. If this form is not signed, or is found to be incomplete, it will be returned.

Signature

Date Signed

Typed or Printed Name and Title

Phone #

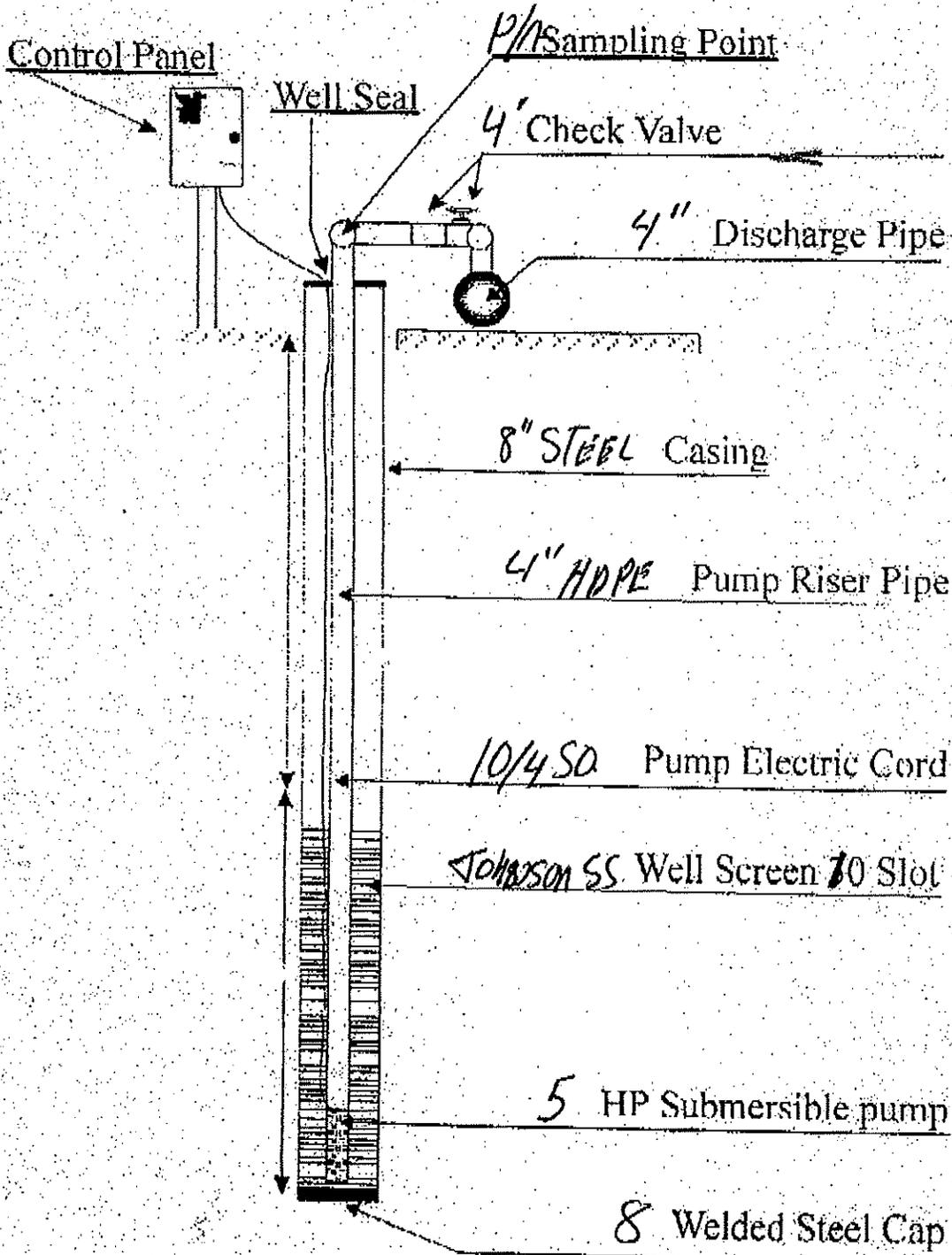
Fax #

Internet Address

Mail to:

[Insert District/Region Address]

DETAIL OF TYPICAL DEEP WELL CONSTRUCTION/DESIGN

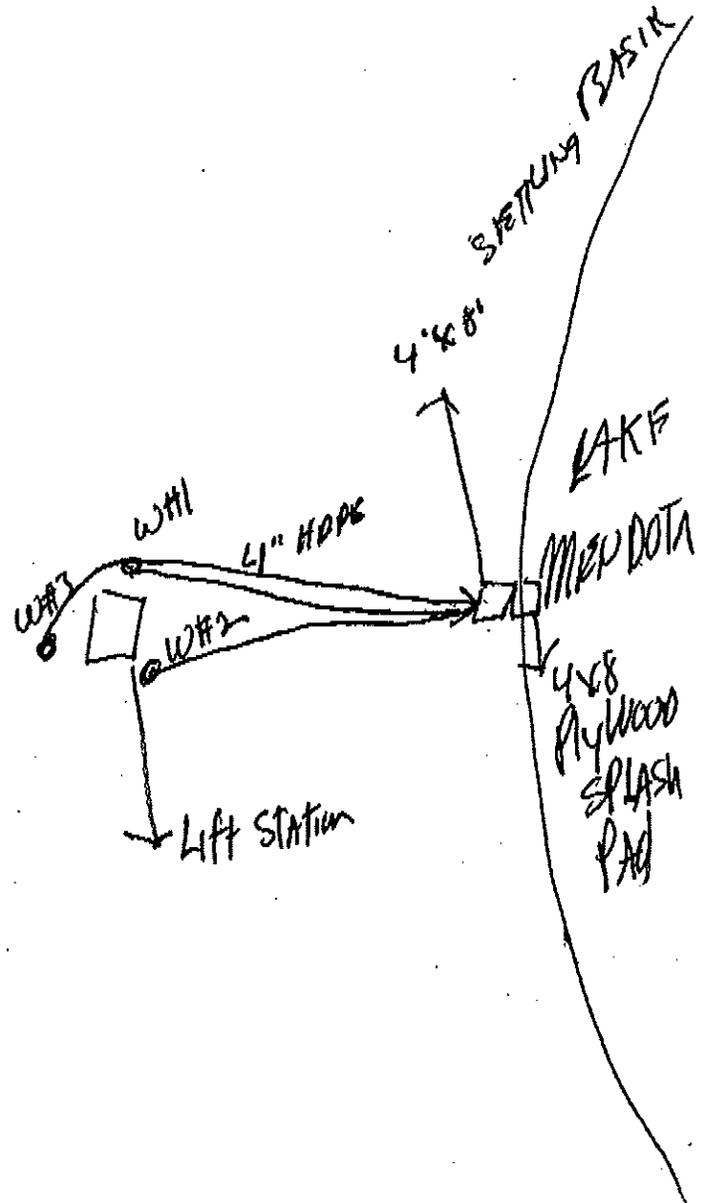


Drawn By: Cyrus Laphat

TYPICAL DISCHARGE LAKE MENDOTA LIFT STATION

WESTPORT, WISCONSIN

- #1. (3) 32' X 8" JOHNSON 10 SLOT DEEP WELLS WITH 20' OF SCREEN.
- #2. (3) 4" INDIVIDUAL 4" HPDE DISCHARGE PIPES TO SETTLING BASIN TO LAKE MENDOTA SPLASH PAD.



VAT

Site Plan - Boring Locations



↓
180 F WAT

Menasha County Park Pumping Station
Soil Boring Location Map

Site Plan Provided by Strand Associates, Inc.
Menasha County Park Pumping Station
5133 County Road M
Town of Westport, Dane County, WI
NTS 777.14, May 5, 2016
Field Investigation by NTS-Waunakee

Notice: Pursuant to chs. NR 200 and 205, Wis. Adm. Code, this permit application is required to request coverage under General WPDES Permit No. WI-0049344-4 for pollutant discharges to surface waters or seepage systems for pit and trench dewatering activities. Failure to complete this form in its entirety will be returned. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

Section I: WPDES Permittee Responsible for the Pollutant Discharge

Parent Company/Owner E & N Hughes Co. inc.	Authorized Representative Terry I. Hughes	Phone # (include area code) (608) 328-4215
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Mailing Address - PO Box, Street or Route N2629 Coplien Road Box 408	Title President
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City Monroe	State WI	ZIP Code 53566	Fax # (include area code) (608) 328-1809	Email Address enhughes@tds.net
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Section II: Facility Site Name and Location Information

Project Name Mendota County Park Pump. Sta.	Project Contact Name Todd Hughes	Title Foreman
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Project Address - Street County Park RD(1000')S. CTH M	Email Address enhughes@tds.net	Phone # (include area code) (608) 558-7924
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City Town of Westport	State WI	ZIP Code 53597	County Dane	Latitude 43,108805	Longitude -89.468982
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Section III: Site Location

Attach the following two maps to the application:

- Site Map:** Attach a site map, such as a USGS topographic map, showing the location of the facility, the discharge site for groundwater discharges, and/or receiving water for surface water discharges.
- Contaminated Groundwater map(s):** Attach a site map printout from the DNR Remediation & Redevelopment (R&R) website (see instructions below). On the map, show the location of the discharge site for groundwater discharges, and/or receiving water for surface water discharges. If you are discharging near a remediation site, what is the shortest distance from the remediation property boundary to your project area? 1,400 Ft.

To obtain R&R Map: Go to this website: <http://dnr.wi.gov/topic/Brownfields/clean.html> . First, click on the Themes tab. The automatic setting is for the Contaminated and Cleaned Up theme. Both Open Sites and Closed Sites are checked automatically (all sites are wanted). Click on the blue Find Location tab. Click on County, select the county you are discharging in, and click on Go. You can click on Find Location again to get a more specific area in the county, such as township. You can also use the Zoom In tool. After you have a map of the area you are discharging in. Choose the blue Print tab. Click on OK. Click on Open Map (on left above center). Then print or save the document as a PDF. Note that information about sites can be obtained from the database. Highlight the Identify/Site Info button above the map and to right. Then click on site symbol and site information will appear in left column.

Section IV: Discharge Characterization

Type of Wastewater (Pit or Trench Dewater, Well Dewater, etc.)	Outfall # (#1, #2, etc.)	Average Daily Flow (gallons of water discharged per day)	Comments
Dewater Well	# 1	288,000	3 - 32" Wells
	#		with 5 HP submersible pumps
	#		with 4" individual HDPE
	#		Discharge lines to settling
	#		basin then into Lake Mendota
	#		
	#		
	#		
	#		
	#		

Pit/Trench Dewatering General Permit Request

WPDES Permit No. WI-0049344-4

Form 3400-201 (R 02/15)

Section V: Eligibility

1. This permit is applicable to point source discharges from dewatering of uncontaminated subsurface areas such as wells, pits, trenches, etc. The primary pollutant from these activities, suspended solids, can be removed by gravity settling or filtering. Oil and grease may be associated with these discharges from machinery near the pit or trench. To the fullest extent of your knowledge, does your discharge contain significant quantities of other pollutants, such as from boiler cleaning, waste brine from water softening, water treatment additives, or other industrial production wastewater pollutants that could be harmful to aquatic life or human health (metals, volatile compounds, gasoline, pesticides, etc.)? [] Yes [X] No

If yes, identify the pollutants or pollutant types:

2. What is the receiving water for your discharge? Check all boxes below that apply. If your facility has more than one outfall (an outfall is an individual discharge point, like a pipe, channel, or seepage pond, that wastewater enters prior to discharging to a receiving water), indicate in the space provided which outfalls go to groundwater and which go to surface waters. (Note: Domestic sanitary wastes to an onsite septic system may be excluded from this application.)

[] Groundwater (This includes infiltration of wastewater through the soil in ditches, absorption ponds, irrigation systems, septic systems and drain fields, etc.)

Outfall #(s):

[X] Surface Water (This includes direct and indirect (via storm sewers or ditches) discharges to wetlands, ponds, creeks, streams, rivers, lakes, etc.)

Outfall #(s): #1 Lake Mendota

[] Sanitary Sewer (Indicate if any wastewater is discharged through a sanitary sewer to a wastewater treatment plant.)

Outfall #(s):

3. What is the name of the surface water your discharge enters? Lake Mendota

4. Does your discharge flow to a wetland before reaching a stream or lake? [] Yes [X] No

5. Do you expect the dewatering discharge to last more than 1 year? [] Yes [X] No

Section VI: Comments

Section VII: Certification

I hereby certify that I am the owner or authorized representative (as specified in ch. NR 205.07(1)(g), Wis. Adm Code) of the facility which is the subject of this permit application. I certify that the information contained in this form and attachments is to the best of my knowledge, true, accurate and complete.

Signature of Owner or Authorized Representative

Terry L. Hughes

Types or Printed Name and Title

Terry L. Hughes - President

Email Address

enhughes@tds.net

Date Signed

8/5/16

Phone # (include area code)

(608) 328-4215

If submitting by mail, send completed forms and maps to:

Department of Natural Resources
Water Permit Central Intake
PO Box 7185
Madison, WI 53707-7185