



"Changing our World One Drop at a Time"
Waterford Waterway Management District
www.waterfordwwmd.com

Board of Commissioners Meeting Minutes
July 11, 2016

1. Call to Order

Chairman Barb Baron called the meeting to order at 9:00 AM at the Waterford Village Hall, Waterford, WI. Commissioners present were Don Baron, Paul Kling and Dave Spurlock. Margaret Shoptaw attended on the phone. Mike Waghorn and Gary Bluemel were excused.

Also in attendance were Donna Block, Ted Derse, Jim Pindel, John Bjork, and Jim Meyer.

2. ESR Committee - Phase 5 Approval

- ✓ Motion to approve Graef's proposal of \$22,800.00 for the engineering related to obtaining the dewatering site permit for the disposal sites (Phase 5) was made by Kling, 2nd by Spurlock.
Vote: 5 Aye, 0 No.
- The FRC will cover \$20,520 of the cost (90%) with WWMD paying \$2,280 (10%).

3. Assessment and I&E committees - The assessment committee presented a preliminary plan for a survey which is intended to replace the straw vote

4. Discussion on Drawdown

Tom Roanhouse and Rebecca Ewald of the Village of Waterford joined the meeting at this time. They said that there is an ongoing dialog with the DNR & the drainage district concerning the winter drawdown by the drainage district. Our proposed drawdown will go in front of the Village Board of Trustees tonight (7/11/16).

5. Time line for procedures for dredging

Pindel presented an outline of a task list of the dredging project.

- Permit approval (July 27)
- Clean water discharge permit
- Develop a bid Package
- Qualify at least 3 contractors
- Wait for contractors to submit their bids
- Knowing the cost, start to apply for grants
- Inform the riparian owner of costs and contribution
- Vote to authorize dredging

6. New Business - None

7. Adjournment

- ✓ A motion to adjourn was made at 11:15 AM by Spurlock, 2nd by D. Baron.
Vote: 5 Aye, 0 No.

Respectfully Submitted,

Paul Kling
WWMD Secretary



collaborāte / formulāte / innovāte

June 30, 2016

Mr. Paul Kling and Mr. Don Baron
Waterford Waterway Management District
P.O. Box 416
Waterford, WI 53185

Subject: Proposal for Dewatering Site Evaluations (Phase 5), Waterford Waterway Ecosystem Restoration Project, Waterford, Wisconsin

Dear Paul and Don:

Per your request, Graef-USA Inc. (GRAEF) is pleased to provide this proposal to amend our services to Waterford Waterway Management District (Client). An executed copy of this proposal will amend our Agreement dated July 16, 2013.

This proposal is for professional services for the Waterford Waterway Ecosystem Restoration (Project). This proposal is subject to GRAEF's Standard Terms and Conditions, which were attached to the original Agreement. This proposal is for services related to the evaluation of potential impacts to groundwater due to potential leaching of arsenic, manganese, and ammonia from dewatered sediments as requested by Gerald Demers of the Wisconsin Department of Natural Resources. The approach will be to develop a model and complete the analysis for the WDNR sites B1 and B2, then extend the analysis to the Super Mix site. The services also include attendance at public meetings requested by the WDNR for the dredge permit, wetland permits, and solid waste permit. These services will be completed under a new GRAEF Project Number 2013-0365.05

For this Project, GRAEF proposes to provide the following Services:

1. Qualitatively evaluate soils underlying the sediment dewatering sites based on currently available information for general potentials to inhibit movement of identified compounds through chemical interactions and/or areas of minimal water flow;
2. Evaluate the depth to groundwater and attenuation to groundwater using a soil water transport model such as HELPQ;
3. Evaluate flow and attenuation in groundwater using screening level calculations appropriate to the level of data available;
4. Estimate initial mass of compounds subject to potential long-term leaching after discharge of carriage water to surface waters and other losses including volatilization for ammonia;
5. Evaluate design alternatives to minimize impacts that include:
 - a. Sediment management and placement;
 - b. Biological treatment of compounds;
 - c. Chemical treatment of compounds; and
 - d. Physical methods/engineering controls.

6. Review evaluation steps via teleconference on a regular basis with Gerald Demers of the WDNR;
7. Repeat steps 1 thru 6 for the Super Mix site;
8. Evaluate potential need and locations for groundwater monitoring wells; if indicated, and prepare draft monitoring plan;
9. Prepare presentation materials, attend, and present a project summary at the WDNR public meeting on June 27, 2016; and
10. Prepare presentation materials and present information, as needed, at a WDNR public meeting for the solid waste permit for the dewatering sites at a date to be determined.

GRAEF will endeavor to perform the proposed Additional Services on an ongoing basis through September of 2016. This schedule is subject to timing and content of WDNR comments.

For this Project, it is our understanding Client will provide the following services, items and/or information:

- Venue and presentation equipment for the public meetings;

For the proposed Basic Services, Client agrees to compensate GRAEF on a time and materials basis for an estimated fee of \$22,800.

Detailed notes describing the work performed will continue to be provided with invoices. Actual costs may vary depending on the level of effort. Expenses will be passed through without mark-up.

Future Services

At your written request, GRAEF will provide the following services that are not included but can be provided for additional compensation as detailed below:

- Prepare presentation materials and attend additional meetings with WDNR and/or WWMD, including public meetings;
- Prepare design drawings, if needed, to update the NR 135 reclamation plan for the Super Mix site, and attend meetings with Super Mix.
- Complete wetland field delineations for sites with temporary conveyance easements. (The WDNR has stated that the impacts could be assumed based on desktop studies and added to the permit application, and the permit application was submitted under this assumption.)
- Develop a wetland mitigation plan and coordinate mitigation with the WDNR.

- Prepare Bid Documents;
- Complete additional analyses and investigations in support of Bid Documents (Proposed Phase 6 Services) that could include:
 - Collection of additional sediment samples for analysis, if necessary; and
 - Prepare easements for pipe routes.
- Provide pre-bid and pre-construction services including solicitation and pre-qualification of interested contractors, pre-bid meetings, responding to questions from bidders, and evaluation of contractor bids.

To accept this proposal, please sign, date and return a copy to us via E-Mail. Upon receipt of an executed copy, GRAEF will commence work on the Additional Basic Services for the Project.

Graef-USA Inc. looks forward to providing additional services to Waterford Waterway Management District.

Sincerely,

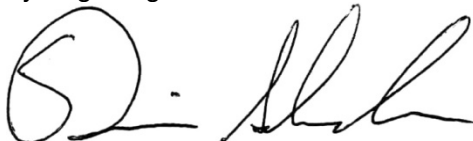
Graef-USA Inc.

**Accepted by: Waterford Waterway
Management District**



Geoffrey B. Parish, PG, PH
Hydrogeologist

(Signature)



Brian Schneider, PE, LEED® AP, CDT
Environmental Group Leader

(Name Printed)

(Date)

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cc: File
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