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WHITE LAKE TOWNSHIP
DEPARTMENT OF PUBLIC SERVICES
7525 Highland Road, White Lake, Michigan 48383-2900, (248) 698-7700, www.whitelaketwp.com

February 3, 2022

Honorable Board of Trustees
Charter Township of White Lake
7525 Highland Road
White Lake, MI 48383

Re: DLZ Proposal – 2022 Wellhead Protection Program Plan Grant

Honorable Board of Trustees,

As you know, one hundred percent (100%) of our Township residents rely on wells as their source of drinking water. White Lake Township has participated in the Wellhead Protection Grant Program since at least 1997. Per the requirements under this grant program, contingency plans must be developed to protect our drinking water source from real or possible groundwater contamination. The purpose of the grant program is to help ground water systems develop Contingency and Emergency Response Plans.

White Lake has done a considerable amount of work over the years on previous grant cycles to lay the groundwork for the development of such plans. Attached is a DLZ proposal for development of the Wellhead Protection and Contingency/Emergency Response Plan for the water system wellhead areas. These expenditures were included in the approved grant application to the State as well as my approved 2022 budget. I have attached a few pages from the FY 2022-2023 grant application for reference. The entire application was 45 pages and can be provided upon request.

I request the Township Board approve the proposal and designate either myself or the Township Supervisor as the authorized signatory.

Sincerely,

Aaron Potter
DPS Director
White Lake Township



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

January 3, 2022

Mr. Aaron Potter
Director, Department of Public Services
White Lake Township
7525 Highland Rd.
White Lake, MI 48383

**RE: Proposal – 2022 Wellhead Protection Program Plan Grant
Charter Township of White Lake**

Dear Mr. Potter,

This proposal has been prepared by DLZ Michigan, Inc. (DLZ) to present the scope of work and costs associated with preparation of an approved Wellhead Protection Plan (WHPP) for the Charter Township of White Lake (TOWNSHIP). It is DLZ's understanding that the TOWNSHIP receives its municipal water supply from five (5) well fields that are geographically divided into two groups: Aspen Meadows, located in the western portion of the TOWNSHIP, and the other well fields (Suburban Knolls, Twin Lakes I and II, Village Acres and Hillview) located in the eastern part of the TOWNSHIP. A capture zone (Well Head Protection Area) for the wells was completed by the Center for Applied Environmental Research at the University of Michigan-Flint in July 2000. The information from that capture zone study will be utilized by DLZ in preparation of the WHPP. DLZ understands that no additional Type I wells have been installed for the TOWNSHIP's use since the Wellhead delineation study was completed. The proposal is comprised of five (5) primary tasks described below.

The proposed Tasks were included in the Department of Environment, Great Lakes, and Energy (EGLE) FY2022 WHPP grant submittal, which was submitted in May 2021 and awarded in October 2021. The grant has a 50/50 match criteria. As a result, the TOWNSHIP is responsible for \$10,000 of the \$20,000 cost.

The following agreement between DLZ and the TOWNSHIP is separate and distinct from any other agreement between DLZ and the TOWNSHIP.

SCOPE OF SERVICES

TASK 1 - CONTAMINANT SOURCE INVENTORY – SITES OF ENVIRONMENTAL CONCERN

As a part of the WHPP, a regulatory file search will be conducted to identify sites of environmental concern within the delineated Wellhead Protection Areas (WHPA). DLZ proposes to review existing records in available municipal and other regulatory databases to evaluate if sites of known or potential environmental impact may pose a current or future risk to the water supply wells. If sites are identified, these will be graded to assess possible risk to the wellhead protection areas. As part of this process, letters may be sent to owners requesting information concerning their site. A letter report or other appropriate correspondence in this regard will be prepared for review by the TOWNSHIP.

Further course of action will be determined based upon this review. Such action may include requesting to review regulatory file information through FOIA, contacting the appropriate EGLE Project Manager for information regarding a site, reviewing monitoring reports at sites with groundwater contamination, or conducting limited reconnaissance visits at selected sites. Site visits will be conducted if approved by the Township. The purpose of the site visits will be to verify information derived from EGLE project files, *e.g.*, whether remediation systems are present and operating.

TASK 2 – EVALUATION OF EMERGING CONTAMINANTS – PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

PFAS, a class of emerging contaminants both federally and in Michigan, have been identified in Michigan since 2010. PFAS compounds are extremely stable in the environment, typically very mobile in groundwater, and difficult to treat. The compounds consist of multiple carbon-fluorine bonds making them resistant to natural degradation processes (the carbon-fluorine bond is one of the strongest chemical bonds). Therefore, PFAS is very persistent in the environment.

The compounds are water and oil repellant, which makes them very useful in a wide variety of industrial applications, including, but not limited to, firefighting foams, cloth/leather/paper treatment, military facilities, airports, metal plating facilities, Teflon® cookware and utensils, and many other applications.

Michigan established and adopted the Environmental Protection Agency (EPA) lifetime safe drinking level for PFOS and PFOA combined at 70 parts per trillion (ppt) until August 3, 2020. Effective August 3, 2020, EGLE established the groundwater cleanup criteria for PFOA at 8 ppt and PFOS at 16 ppt. Effective December 21, 2020, EGLE established cleanup criteria for five more PFAS compounds. The current Generic Groundwater Cleanup Criteria and municipal drinking water Maximum Contaminant Levels (MCLs) effective December 21, 2020 in Michigan for seven PFAS compounds are as follows:

PFAS Compound	CAS Registry Number	Drinking Water MCL and Generic Cleanup Criteria
		Parts per Trillion (ppt)
Perfluorooctanoic acid (PFOA)	335-67-1	8
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	16
Perfluorononanoic acid (PFNA)	375-95-1	6
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	51
Perfluorohexanoic acid (PFHxA)	307-24-4	400,000
Perfluorobutane sulfonic acid (PFBS)	375-73-5	420
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	370



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
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White Lake Township
2022 Wellhead Protection Program Plan Grant
January 3, 2022
Page 3 of 4

As a part of the Contaminant Source Inventory, DLZ will include an evaluation of potential PFAS source locations, paying attention to those sources within a capture boundary of the municipal well.

TASK 3 – WHPP DOCUMENT PREPARATION

After the completion of Tasks 1 and 2, DLZ will prepare the WHPP documenting the collected information. The WHPP will be prepared following EGLE guidance and will include, at a minimum, the following elements:

- Roles and Responsibilities;
- Well Head Protection Area Delineation;
- Potential Sources of Contamination;
- Wellhead protection Area Management;
- Contingency Plans;
- Plans for new well additions if necessary; and
- Public Education and Participation.

TASK 4 - PUBLIC EDUCATION

DLZ will assist the TOWNSHIP with various aspects of public education that may include but not be limited to attendance at public meetings, assistance with mailers, and other related tasks as requested by the TOWNSHIP. DLZ's role with public education will also include aiding with timely dissemination of accurate information relating to emerging contaminants such as PFAS.

TASK 5 - PROJECT TEAM MEETINGS

DLZ will meet with the TOWNSHIP's Wellhead Protection Team during its regularly scheduled meetings (January to September 2022) and update the team of its efforts. DLZ's role during these meetings will be to update the team on the progress of tasks in this project, and, along with the TOWNSHIP, facilitate and coordinate activities associated with the implementation of the WHPP. The primary responsibility of implementing an effective WHPP rests with the TOWNSHIP and the local team.

TERMS AND CONDITIONS

The Standard Terms and Conditions, as set forth as attached Exhibit A, are incorporated here into and made a part of this Work Order Proposal. The Client referred to in the Standard Terms and Conditions means the Charter Township of White Lake.

PROFESSIONAL SERVICES FEE

For services described in the SCOPE OF SERVICES, DLZ proposes to charge, and the TOWNSHIP agrees to pay in accordance, with the attached Exhibit B Rate Schedule, a Not to Exceed Fee of **\$20,000.00** without prior approval of the TOWNSHIP. Invoices will be rendered monthly based on the actual hours expended times the rate shown on Exhibit "B" for the classification of the individual working on the project. An estimated breakdown, by task, is outlined as follows:

- Task 1 Contaminant Source Inventory – Report Preparation **\$6,500.00**
 - Task 2 PFAS Contaminant Source Assessment **\$3,500.00**
-



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

White Lake Township
2022 Wellhead Protection Program Plan Grant
January 3, 2022
Page 4 of 4

- Task 3 WHPP Document Preparation \$7,000.00
- Task 4 Public Education \$2,000.00
- Task 5 Quarterly Meetings (Estimate 4 meetings) \$1,000.00

PROJECT SCHEDULE

DLZ can begin work on the project upon notice to proceed by the TOWNSHIP. DLZ understands that the scope of work is anticipated to be scheduled by the TOWNSHIP, to begin in the 1st Quarter of 2022, once the grant is awarded by EGLE and the grant agreement is in place.

DLZ and its employees comply with all coronavirus protocols and guidelines, including all updates and revisions thereto, issued by the States in which DLZ provides services and the U.S. Centers for Disease Control and Prevention (CDC). DLZ time and expense for additional safety protocols or training required by the Charter Township of White Lake or its representatives are not included in this proposal and will be invoiced at DLZ's standard rates.

Neither Party will be responsible or liable for delays caused by persons, events, or circumstances for which the Party, its employees, subcontractors, and subconsultants are not responsible including, but not limited to, Acts of God including delays attributable to the coronavirus pandemic.

If you approve and accept this Proposal, please sign, date and return one copy of this Letter Proposal for our records. Should you prefer to issue a Purchase Order as your official acceptance, we request that you reference this Proposal in your paperwork.

DLZ appreciates the opportunity to submit this Letter Agreement for professional services. If for any reason you should have questions, please do not hesitate to call Scott Park at (517) 908-4923 or (517) 348-2260.

Respectfully,
DLZ MICHIGAN, INC.

Terry Biederman, PE
Vice President

Attachments:
Exhibit A: Standard Terms and Conditions
Exhibit B: Rate Schedule

Approved and Accepted	
Signature	_____
Printed Name	_____
Title	_____
Date	_____

EXHIBIT A
DLZ'S STANDARD TERMS AND CONDITIONS

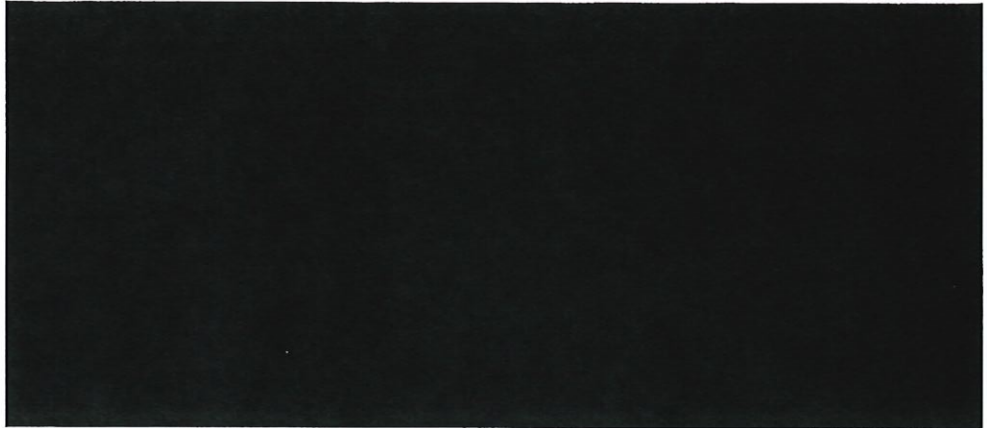
1. **INVOICES AND PAYMENT:** Unless the parties have agreed otherwise, DLZ will submit monthly invoices to CLIENT for services performed in the prior month. Except to the extent CLIENT disputes in good faith all or a portion of a DLZ invoice, CLIENT will pay DLZ the invoiced amount within thirty (30) days from the date of the invoice; and, in default of such payment, agrees to pay all cost of collection, including reasonable attorney's fees, regardless of whether legal action is initiated. Invoiced amounts not in dispute will accrue interest at eight percent (8%) per annum after they have been outstanding for over thirty (30) days. If an invoiced amount not in dispute remains unpaid sixty (60) days after the date of the invoice, DLZ may, upon giving seven (7) days written notice of its intent to do so, suspend all project services until all unpaid invoiced amounts not in dispute are paid in full. If an invoice remains unpaid ninety (90) days after the date of the invoice, DLZ may, upon giving seven (7) days written notice of its intent to do so, declare CLIENT to be in breach of this agreement.
2. **CONSTRUCTION SERVICES:** If DLZ's scope of services includes providing professional services during the project's construction phase, DLZ will not have control over or be responsible for contractor means, methods, techniques, sequences, procedures, or schedule, or the contractor's failure to comply with the construction contract documents or applicable laws, ordinances, rules or regulations. If DLZ provides construction inspection or observation services, DLZ will report to CLIENT all contractor deviations from the construction contract documents that come to DLZ's attention. However, such services are solely intended to enable DLZ to maintain familiarity with, and keep CLIENT informed of, the general progress and quality of the contractor's work, and not to require DLZ to perform exhaustive inspections of contractor work for its compliance with the construction contract documents, which shall remain solely contractor's responsibility.
3. **CHANGES IN REQUIREMENTS:** In the event additional services are required due to a change, after the date of this agreement, in CLIENT's requirements, or in the applicable law, standards, or governmental requirements or policies, DLZ will be entitled to additional compensation for such additional services.
4. **SURVEY STAKING:** If DLZ's scope of services includes survey layout, DLZ will not be responsible for subsequent disturbances of its layout except to the extent caused by DLZ or persons for whom it is responsible.
5. **MISCELLANEOUS EXPENSES:** Except to the extent otherwise provided in this agreement, CLIENT is responsible for all third-party fees and charges including, without limitation, fees and charges for inspections, zoning or annexation applications, assessments, soils engineering, soils testing, aerial topography, permits, rights-of-entry, bond premiums, title company charges, blueprint and reproduction costs, and all other third-party fees and charges.
6. **CHANGE OF SCOPE:** DLZ's scope of services in this agreement is based on facts known at the time of execution of this agreement, including, if applicable, information supplied by CLIENT. DLZ will promptly notify CLIENT in writing of any perceived changes to its scope of services required by new information or by persons or circumstances beyond DLZ's control, and the parties shall negotiate modifications to this agreement before DLZ begins performance of the revised scope.
7. **SAFETY:** DLZ will take reasonable steps to protect the safety of its employees, and to perform its services in a safe manner. DLZ is not responsible for project safety other than with regard to its own services.
8. **REUSE OF PROJECT DELIVERABLES:** CLIENT's use of any project documents or DLZ deliverables, including electronic media, for any purpose other than that for which such documents or deliverables were originally prepared, or alteration of such documents or deliverables without written verification or adaptation by DLZ for the specific purpose intended, will be at CLIENT's sole risk.
9. **OPINIONS OF CONSTRUCTION COST:** Any opinion of construction costs prepared by DLZ is supplied for the general guidance of the CLIENT only. Since DLZ has no control over competitive bidding or market conditions, DLZ cannot guarantee the accuracy of such opinions as compared to contractor bids or actual cost to CLIENT.
10. **INSURANCE:** During the performance of its services and for two years thereafter, DLZ will maintain the following minimum insurance coverage: General Liability- \$1,000,000 per occurrence, \$2,000,000 general aggregate, \$2,000,000 products/completed operations aggregate, \$1,000,000 personal/advertising injury aggregate; Automobile Liability- \$1,000,000 combined single limit; Workers Compensation and Employers Liability- in conformance with statutory requirements, and \$1,000,000 employers liability; and Professional Liability- \$2,000,000 per claim and in the aggregate. Certificates evidencing such coverage will be provided to CLIENT upon request. If DLZ is providing construction phase services, CLIENT agrees to require its contractor to include DLZ as an additional insured on the contractor's General Liability and Automobile Liability Insurance policies, and DLZ's above-listed coverage will be excess over the contractor's coverage, which will be primary.
11. **INDEMNITY:** To the fullest extent permitted by law, each of the parties agrees to indemnify and save harmless the other party from and against all liability, damages, and expenses, including reasonable attorney's fees, sustained by the other party by reason of injury or death to persons or damage to tangible property, to the proportionate extent caused by the negligent acts or omissions of the indemnifying party or its employees.
12. **CONSEQUENTIAL DAMAGES:** Neither party will be liable to the other for consequential, special, incidental, indirect, liquidated, or punitive damages.
13. **LIABILITY:** No employee of DLZ or of its parent, subsidiary, or affiliated companies will be personally liable to CLIENT. DLZ's total liability to CLIENT, and any coverage of CLIENT as an additional insured under any of DLZ's insurance policies, for injuries, claims, losses, expenses or damages arising out of DLZ's services or this agreement from any causes including, but not limited to, DLZ's negligence, error, omissions, strict liability, or breach of contract, will not exceed the total compensation received by DLZ under this agreement.
14. **DISPUTES:** Any claim or controversy arising out of or relevant to this agreement, or the breach thereof, shall be settled by binding arbitration in the state in which the project is located, in accordance with the rules of the American Arbitration Association, and judgment upon any award rendered by the arbitrator(s) may be rendered in any court having jurisdiction thereof.
15. **STATUTE OF LIMITATIONS:** The parties agree that the time period for bringing claims regarding DLZ's Service's under this agreement expires on the earlier of one year after completion of the project, or two years after completion of DLZ's project services.
16. **DELAYS:** DLZ is not responsible for delays caused by persons or circumstances for which DLZ is not responsible.
17. **SHOP DRAWINGS:** If DLZ's scope of services includes reviewing shop drawings, such reviews are solely with regard to their general conformance with the design concept, and not for the purpose of reviewing or approving their accuracy, completeness, dimensions, quantities, constructability, compatibility with other construction components, or compliance with the requirements of the construction contract documents, all of which remain the contractor's responsibility. DLZ is not responsible for reviewing or approving the contractor's safety precautions or construction means, methods, sequences or procedures.
18. **ACCEPTANCE:** Both parties will consider DLZ's Initiation of services prior to execution of this agreement in order to accommodate CLIENT, at CLIENT's request, as CLIENT's formal acceptance of all of the terms and conditions in this agreement.
19. **STANDARD OF CARE:** DLZ will perform its services with the care and skill ordinarily exercised by members of its profession currently practicing under similar conditions in the same locale. DLZ does not make, and expressly disclaims, any other warranties, express or implied, relating to its services including, without limitation, warranties of merchantability and fitness for a particular purpose. DLZ shall be entitled to rely on all CLIENT-provided information except to the extent otherwise stated in the agreement.

Exhibit B
Rate Schedule

CLASSIFICATION	HOURLY RATE CHARGE
Senior Project Manager	\$ 170.00
Project Manager	\$ 150.00
Surveyor VI	\$ 160.00
Surveyor V	\$ 145.00
Engineer IV/Surveyor IV	\$ 125.00
Engineer III/Surveyor III	\$ 115.00
Engineer II/Surveyor II	\$ 100.00
Engineer I/Surveyor I	\$ 95.00
Senior Architect	\$ 155.00
Architect	\$ 120.00
Architect Intern	\$ 90.00
Landscape Architect	\$ 120.00
Senior Geologist/Senior Environmental Scientist	\$ 130.00
Geologist/Environmental Scientist	\$ 90.00
Senior Environmental Analyst	\$ 120.00
Environmental Analyst	\$ 95.00
Senior Programmer	\$ 125.00
Programmer	\$ 105.00
Senior GIS Analyst	\$ 120.00
GIS Analyst	\$ 105.00
GIS Intern	\$ 80.00
Senior CAD Operator	\$ 105.00
CAD Operator	\$ 85.00
CAD Operator Intern	\$ 70.00
Designer	\$ 100.00
Construction Project Manager	\$ 145.00
Senior Construction Inspector	\$ 105.00
Construction Inspector	\$ 80.00
2 Person Survey Crew	\$ 190.00
1 Person Survey Crew	\$ 135.00
Clerical	\$ 55.00

Aaron Potter

From:
Sent:
To:



Cc:

Subject: 2022 Source Water Protection Grant Awards

Source Water Grant Applicants:

Congratulations, your application for the source water grant assistance for the period of October 1, 2021, through August 31, 2022, has been approved. State funding designated for your community's source water protection program activities will be announced in a Michigan Department of Environment, Great Lakes, and Energy (EGLE) press release and in the department's social media accounts in the next week or so. Grant contracts between EGLE and your community are expected to be emailed by the end of the month. You will be required to sign the agreement and return it to EGLE by the stated deadline. Failure to do so will result in the state assistance being denied for the contract period.

As a reminder, quarterly progress reports, meeting minutes, and financial status reports must be submitted quarterly by the deadline stated in the contract. If you have any questions, please send an email to the grant mailbox at EGLE-DWEHD-Source-Water-Protection-Grants@michigan.gov.

Jason Berndt
Environmental Quality Specialist
Drinking Water and Environmental Health Division
Michigan Department of Environment, Great Lakes, and Energy
517-203-9631 | BerndtJ1@Michigan.gov
Follow Us | **Michigan.gov/EGLE**

Aaron Potter

From: Berndt, Jason (EGLE) <BERNDTJ1@michigan.gov>
Sent: Tuesday, January 11, 2022 2:49 PM
To: Berndt, Jason (EGLE); Bauer, Travis (EGLE)
Cc: Pearson, Sara (EGLE)
Subject: Source Water Protection Program Expiration and Updates

Community Water Supply Administrators and Operators:

The Department of Environment, Great Lakes, and Energy (EGLE), Drinking Water and Environmental Health Division (DWEHD), recognizes your community has completed and received approval of your Source Water Protection Program (SWPP) plan. According to our records, your community has either (a) not updated its SWPP plan in the last six years, (b) your plan will expire in the next grant cycle, (c) or your plan has recently expired. Considerable resources have been invested to develop and implement the program, and we would like to encourage your community to keep the program viable. Your program must be updated to remain eligible for other grant eligible activities. Communities that have an approved and up-to-date program are annually reported to the U.S. Environmental Protection Agency as having "substantial implementation" for their source water protection efforts. These communities are also given additional priority points in the application process for a Drinking Water Revolving Fund loan for infrastructure improvement projects. Please update your SWPP plan to ensure your program status can be updated in our records.

When updating your SWPP plan, an important step is to evaluate your past and current management strategies. You should also update your plan by re-examining your source water protection area for sources of contamination within the wellhead protection area, and then managing and minimizing any threat to your source water. Management approaches may involve facility inspections, land use regulations, best management practices, and public education. Further guidance, including other grant eligible activities, can be found at the EGLE Wellhead Protection website page at Michigan.gov/WHP.

By May 1, 2022, community water supplies will receive notification announcing the availability of the Source Water Protection Grant applications for the grant period beginning October 1, 2022, through August 31, 2023. Grant funding, if available, may be significantly reduced from previous years, so it is important to update your program soon. SWPP grant applications must be submitted by June 15, 2022.

If you would like to meet to discuss or have any questions regarding your SWPP, please contact me.

Jason Berndt
Environmental Quality Specialist
Drinking Water and Environmental Health Division
Michigan Department of Environment, Great Lakes, and Energy
517-203-9631 | BerndtJ1@Michigan.gov
Follow Us | Michigan.gov/EGLE

	0	0	0	0	27,048
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The above information is intended as a summary only and does not replace the work plans that must also be submitted with the application. Work plans should include a detailed cost estimate i.e., hourly rate and number of hours for labor, cost per each for items purchased, etc. See guidance for additional information.

Grant Summaries

Calculate Application Summaries

(Press the button twice to complete calculations)

Total Proposed Activity Cost by Activity Code

Activity Description	Code	Cost
Activities that do not clearly fall within another code	2800	0
Development and Implementation of Partnership Agreements	2814	3600
Delineation and Designation Activities	2815	0
Contaminant Source and Land Use Inventory Activities	2816	0
Management Activities	2817	0
Contingency Plan and Emergency Response Protocol Activities	2818	20040
New Well and New Surface Water Intake Activities	2819	0
Public Participation, Education, and Outreach	2820	3408
	Total Cost	27,048

Grant Financial Summary

Activity Cost		
Proposed Activities	27,048	
Grant Assistance		
50% of Activity Cost	13,524	
+ Previous Expenses	0	
Total Grant Assistance		0
Local Match		
50% of Activity Cost	13,524	
- Previous Expenses	0	
Total Local Funds	27,048	0

White Lake Township
 FY22 WHPP Grant Application
 Work Plan

Schedule

Scope Item	Activity Code	Timeframe
Source Water Protection Team Meeting #1	2814	November 2021
Submit Progress Rpt #1	2814	November 2021
Begin Development of WHPP Contingency & Emergency Response Plan	2818	December 2021
Draft WHPP Website Enhancements /Videos	2820	December 2021
Source Water Protection Team Meeting #2	2814	February 2022
Submit Progress Rpt #2	2814	February 2022
Quarterly Reimbursement Request Submittal #1	2800	February 2022
Finalize WHPP Website Enhancements / Videos	2820	March 2022
Purchase WHPP Giveaways for HHW Events	2820	March 2022
Source Water Protection Team Meeting #3	2814	May 2022
Submit Progress Rpt #3	2814	May 2022
Quarterly Reimbursement Request Submittal #2	2800	May 2022
Draft WHPP Contingency & Emergency Response Plan for Township's review	2818	June 2022
Submit WHPP Contingency & Emergency Response Plan for EGLE review	2818	July 2022
Finalize WHPP Contingency Plan	2818	August 2022
Source Water Protection Team Meeting #4	2814	August 2022
Submit Progress Rpt #4	2814	August 2022
Quarterly Reimbursement Request Submittal #3	2800	August 2022

Commitment to the Township's WHPP Program – Previous Activities

The Township is committed to the development, implementation, and maintenance of a Wellhead Protection Program. The Township began our Wellhead Protection Program in 2019. The Source Water Protection Team met in 2020, despite funding being cut.

A Water Reliability Study was conducted in 2020. The Department of Public Services (DPS) has heavily invested in Capital Improvement Projects as they relate to water service improvements, such as:

- Investments in technology (Cityworks/GIS and SCADA),
- Water modeling,
- Water main replacements, and
- Acquiring DWSRF funding for various improvements.

The DPS also completed a Water Asset Management Plan meeting the requirements of the Michigan Safe Drinking Water Act 1976 PA 399, Part 16. General Plans.

The DPS submitted a DWSRF Project Plan in 2019.

The Township's Zoning Ordinance provides standards for wellhead and groundwater protection. In addition, the current Master Plan discusses groundwater vulnerability - see attached.

**TABLE 1
WHITE LAKE TOWNSHIP
WHPP GRANT APPLICATION
PROJECT COSTS**

Grant Item	Unit Price	Subtotal
Quarterly Meetings & Administration (DLZ)	\$ 3,600.00	\$ 3,600.00
WHPP Contingency & Emergency Response Plan (DLZ)	\$ 20,040.00	\$ 20,040.00
WHPP Website / Videos	\$ 1,800.00	\$ 1,800.00
WHPP Giveaways - brochures (5000)*	\$ 0.16	\$ 950.00
WHPP Giveaways - pens (500)*	\$ 95.00	\$ 658.00
TOTAL	\$ 25,535.16	\$ 27,048.00

* - includes tax/shipping costs

TABLE 2
 WHITE LAKE TOWNSHIP
 WHPP GRANT APPLICATION
 DLZ-MICHIGAN, INC. COSTS

LABOR		Task 1 - Quarterly Meetings & Administration		Task 2 -WHPP Contingency & Emergency Response Plan*		Task 3 WHPP Website Enhancements / Videos		Personnel Hours Total	
Class	Hrly Rate							Hours	Cost
QAQC / Project Manager	\$150.00	0	\$0.00	17	\$2,550.00	0	\$0.00	17	\$2,550.00
Project Manager/Senior Environmental Analyst	\$120.00	30	\$3,600.00	5	\$600.00	15	\$1,800.00	50	\$6,000.00
Env. Engineer III	\$115.00	0	\$0.00	80	\$9,200.00	0	\$0.00	80	\$9,200.00
Env Analyst	\$95.00	0	\$0.00	81	\$7,695.00	0	\$0.00	81	\$7,695.00
TOTAL LABOR			\$3,600.00		\$20,045.00		\$1,800.00	228	\$25,445.00

*Total Labor Costs were rounded down on the application, as requested by EGLE, for 50% reimbursement purposes.