

# Digital EGLE/USACE Joint Permit Application (JPA) for Inland Lakes and Streams, Great Lakes, Wetlands, Floodplains, Dams, Environmental Areas, High Risk Erosion Areas and Critical Dune Areas

version 1.19

(Submission #: HNY-NHX4-FSR2Q, version 5)

## Details

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**Submission ID** HNY-NHX4-FSR2Q  
**Submission Reason** New  
**Status** Submitted

## Fees

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**Fee** \$500.00  
**Payments/Adjustments** (\$500.00)  
**Balance Due** \$0.00 (Paid)

## Form Input

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### Instructions

[To download a copy or print these instructions. Please click this link \(recommended\).](#)

### The EGLE/USACE "Joint Permit Application" (JPA)

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#### READ THOROUGHLY BEFORE STARTING THE FORM

It is recommended to download a pdf of this page at [www.michigan.gov/jointpermit](http://www.michigan.gov/jointpermit) for reference while filling out the form. Please also refer to this website for additional information regarding this form, including a glossary and other helpful resources on information required to be submitted in this form.

This is the Joint Permit Application (JPA) for construction activities where the land meets the water. This application covers permit requirements derived from state and federal rules and regulations for activities involving:

Wetlands  
Floodplains  
Marinas  
Dams  
Inland Lakes and Streams  
Great Lakes Bottomlands  
Critical Dunes  
High Risk Erosion Areas

This application prevents duplication of state and federal forms for these activities and provides concurrent review under all pertinent state and federal laws. In the case of U.S. Army Corps of Engineers (USACE) jurisdiction, the Michigan Department of Environment, Great Lakes, and Energy will also send a copy of this Joint Permit Application to the USACE for simultaneous processing. The Michigan Department of Environment, Great Lakes, and Energy will provide coordination between state and federal agencies during the application review.

This application form is set up with the following sections to be completed by the applicant (note that it is recommended to gather all this information prior to starting this form):

Contact Information:

Applicant, Property Owner(s), Consultant(s), and any other Authorized Representative(s)

Authorizations are required from the property owner for:

- when the applicant is not the owner,
- when there is a consultant/representative for the applicant,
- when spoils disposal locations are not on site,
- when other permissions are necessary based on project specifics and are identified by the form.

Project Location Information:

Address, coordinates, and directions to the site, etc.

Background Information:

Existing site conditions, other related permits, existing easements/encumbrances, other related application numbers (pre-application meetings, Wetland Identification Program, etc.)

Permit Application Category and Public Notice Information:

This section asks what permit application category you believe fits your project. While this is not required to submit the application, knowing this will also help you submit the right permit application fee and avoid a correction request and processing delays.

The choices of permit application categories to select in the form are:

General Permit, \$50 fee ([https://www.michigan.gov/documents/deq/wrd-general-permit-categories\\_555828\\_7.pdf](https://www.michigan.gov/documents/deq/wrd-general-permit-categories_555828_7.pdf))

Minor Project, \$100 fee ([https://www.michigan.gov/documents/deq/wrd-minor-project-categories\\_555829\\_7.pdf](https://www.michigan.gov/documents/deq/wrd-minor-project-categories_555829_7.pdf))

Public Notice Individual Permit, range from \$500-\$4,000 depending on type of activity. For High Risk Erosion Areas and Critical Dune Areas fees for Public Notice individual permit applications can range from \$50-\$4000. Additional fees may be applied for some special project requirements such as hydraulic analysis, dam projects, and a special exception application in a critical dune area. See Fee Schedule on website for more information.

Unsure, select this and the permit reviewer will make the determination on permit type after the application is submitted based on the project details. However, some fee is required to be submitted with the application. If an additional fee is required, the Michigan Department of Environment, Great Lakes, and Energy will send a correction request that will show the remaining amount required. The application will not be considered complete without the proper fee.

Adjacent Landowner contact information for Public Notice projects is required by law. This includes any parcels touching the project parcel and parcels across the street.

Project Description:

Information on the Proposed Use and Purpose of the project (who and what the project is intended for and why is it needed).

This includes a written summary of the project as well as a list of project uses and types to select from as follows:

Project Use Selections:

- Private
- Commercial
- Public/Gov/Tribal
- Federal/State funded
- Non-Profit
- Other

Project Type Selections:

- Agriculture
- Airport
- Development- Condo/ Subdivision/Residential
- Development-Commercial/ Industrial
- Drain-County
- Drain-Private
- Drawdown
- Lake, Drawdown
- Wetland Forestry
- Landfill
- Marina/Mooring Facility
- Marine Railway
- Mining-Mineral,
- Mining-Sand and Gravel
- Private Residence
- Restoration-Wetland
- Restoration-Stream
- Transportation
- Septic System Surveying or Scientific Measuring Device
- Utility-Electrical, Fiber optic
- Utility-Oil and gas pipelines

Utility-Sewer/water line  
Other

Construction Details including sequencing, timeframes, SESC measures, etc.

Alternatives Analysis detailing all options considered and why this is the least impactful feasible and prudent proposal. The depth of this analysis is typically commensurate with the size and purpose of the project and at minimum should include variables such as alternate locations (including other properties), configurations and sizes (layout and design), and methods (construction technologies), and other constraints (local regulations, resource issues). Discussion should also include why the do nothing alternative is not feasible or prudent.

Project Compensation:

Narrative of how proposed impacts will be compensated (mitigated or other minimization measures), including amount, location, and method; or why mitigation should not be required. This can be traditional mitigation and/or other techniques used to minimize overall loss of functions.

Resource and Activity Type. This section is intended to determine what additional sections of the application are generated (as seen on the left side of the screen) for further information gathering. This includes questions regarding what Resource feature is involved (e.g., wetland, stream, floodplain, pond, dam, critical dune, etc.) and if there are identified Special Activities (i.e., activities requiring a specific series of questions to be answered). Be sure to choose all that apply to your project. If your activity is not listed, choose None of the Above and move on to the next question. More specific activity questions will appear later based on the resource section answers.

Resource Information and Impacts Sections (Multiple Sections). These are a series of sections that will appear on the left side of the screen based on your answers to the Resource and Activity Types section. You will input further information on the existing resources to be impacted (e.g., wetland type, permanent or temporary impact, water elevation data, drainage area, etc.) and all proposed Project Activities with their Dimensions (e.g., length, width, depth, square footage). For example, when Wetland is selected as a resource that your project will involve, a Wetland Project Information and Impacts section will appear on the left side of the screen that includes questions specific to gathering information about the wetland.

For projects including Floodplains, Marinas, Dams, Critical Dunes, or High Risk Erosion Areas individual sections will appear on the left side of the screen that include different sets of specialized questions as required by those programs. These sections do not share a specific format. Help tips will guide you in filling out these sections.

For projects including wetlands, ponds, inland lakes, streams, or the Great Lakes resources, individual sections will appear on the left side of the screen that are similar in format to each other. Each of these resource sections asks initial general information and then has additional questions regarding the Types of Activities proposed for each resource. The outline for these resource activity impacts questions is Activity Type, Dimensions Table, and Special Questions.

There are four overall Types of Activities groups for wetlands, ponds, inland lakes, streams or the Great Lakes:

Fill Activities

Dredge Activities

Structure Activities

Other Activities

Under each of these Types of Activity questions, specific activity lists will be shown that are typical for that type (fill, dredge, structure, other) and resource (wetland, lake, stream, etc). Follow these steps to accurately fill out the Activity Type Questions:

1. Start with the Fill question and choose any activities on the list that is included in your project. If your activity is not shown, then select None of the Above and move to the next question.

2. When you select an activity listed under Fill, Dredge, Structure, or Other, a dimensions table will appear under that question. This table is where you enter EACH activity OF THE TYPE YOU SELECTED and associated dimensions. Be sure that all the activities you selected are also listed in the table with the dimensions. Multiple activities covering the same footprint may be combined on one line in the table (for example, riprap on slopes of driveway fill can be entered on the same impact dimensions line and does not necessarily need to be broken out).

3. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or None of the Above. If you did not find your activity in any list then select Other, Other and provide a description of your activity in the space that appears. Please be as descriptive as possible.

Proposed mitigation questions may appear within specific resource types sections based on your answers. Enter any proposed mitigation in the appropriate section (wetland, stream, etc.) and if no mitigation is proposed you must provide commentary with an explanation as to why it is not required. Mitigation plans according to the mitigation checklist (link) are required for a complete application. When mitigation is proposed be sure to also select mitigation in the Permit Application Type section under the second question.

In the above sections, uploads will be prompted as required by the answers to questions. These should be uploaded in these

location (ex, mitigation plans should be uploaded in the mitigation section). Please do not wait to upload one large document with all plans combined at the end. Note that each individual upload is limited to 10M.

#### Upload of Proposed Site Plans.

Any plans or explanatory narratives not requested in previous sections should be uploaded in this section. Construction Plans including overhead view, cross sections, and profiles showing each impact either to-scale or with dimensions are required and typically would be uploaded here. Plan labels should correspond with labels entered in the form for each activity selected. The application will not be complete without the proper site plans. If drawings are not received with all required dimensions and resources identified, then the Michigan Department of Environment, Great Lakes, and Energy will send a correction request and your application processing will be delayed. However, please limit drawings, plans, and narratives submitted to the items necessary for permit review. For example, entire bid package documents and CAD drawings are often not helpful for permit review and may cause delays from wading through extraneous information. Plans, profiles and cross sections specific to the resource impacts are the most helpful.

#### Review:

This section allows you to see the entire form with the answers you entered. Please review for accuracy prior to hitting the submit button. A print option is provided on this screen (print to PDF is recommended). Once the application is submitted you may not make changes to it until the application has been assigned to a staff person.

#### Certify & Submit:

This is the final section of the application form. The **Submit Form** button selection certifies that all information in the application is true and accurate and that you have the authority to apply for the permit as indicated. This application will become part of public record.

We recommend that you have the above information ready prior to starting this application. You will be able to save in-progress applications and come back later, but all required uploads and questions are necessary before the system will allow submittal of the application. Some sections of this application form load faster than others depending on the complexity of the questions. Thanks for your patience while you work through the application. For assistance with this form visit:  
<https://www.michigan.gov/jointpermit>

[Click here for additional information on maps, drawings, and other attachment](#)

## Contact Information

### Applicant Information (Usually the property owner)

First Name	Last Name
------------	-----------

Paul	Turner
------	--------

Organization Name
-------------------

Enbridge Energy, Limited Partnership
--------------------------------------

Phone Type	Number	Extension
------------	--------	-----------

Business	218-522-4891	
----------	--------------	--

Email
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paul.turner@enbridge.com
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11 E SUPERIOR ST

STE 125

DULUTH, MN 55802

### Is the Property Owner different from the Applicant?

Yes

### Property Owner Contact Information

**First Name      Last Name**

Michael          *Friend*

**Organization Name**

*Consumers Energy Company*

**Phone Type      Number      Extension**

NONE PROVIDED

**Email**

NONE PROVIDED

1 Energy Plaza Dr

Jackson, MI 49201

### Upload Attachment for Authorization from Property Owners

[Consumers\\_hom1\\_3-6-2020\\_9-11-28 executed license 03062020.pdf - 03/31/2020 12:23 PM](#)

[Kruger Letter of Intent.pdf - 03/31/2020 12:23 PM](#)

[Moran Township Letter\\_04-02-2020.pdf - 04/03/2020 02:14 PM](#)

[MSCA-easement.pdf - 05/26/2020 02:35 PM](#)

[MSCA-EasementAssignment\\_12-19-18.PDF - 05/26/2020 02:35 PM](#)

**Comment**

Enbridge owns the property within the LOD on the north side, with the exception of Boulevard Drive (Figure 11). Enbridge will work with Moran Township to develop a plan for the proposed improvements to Boulevard Drive. Enbridge or its affiliate, Tri-State Holdings, LLC, either owns the property or has acquired the right to access the property located within the LOD on the south side (Figure 11). Parcel 01 (tax ID 15-03-10-400-005) and parcel 22 (tax ID 42-03-51-300-012) shown on Figure 11 are owned by Consumers Power Company. Letters granting Enbridge permission to access the LOD within these parcels is attached to this JPA. Also attached to this JPA is a letter of intent from the current property owner of parcel TSH20 (tax ID 15-03-10-427-026) to sell the parcel to Enbridge's affiliate, Tri-State Holdings, LLC. The proposed tunnel will be located under the lake bottom of Lake Michigan. Submerged bottomlands are owned by the State of Michigan. The tunnel will be located within an easement per the Tunnel Agreement (2018) between the State of Michigan and Enbridge Energy Partners. See the attached Easement to Construct and Maintain Underground Utility Tunnel at the Straits of Mackinac from the Michigan Department of Natural Resources. All on-shore permanent facilities will be located on Enbridge-owned property.

### Has the applicant hired an agent or cooperating agency (agency or firm assisting applicant) to complete the application process?

Yes

### Upload Attachment for Authorization from Agent

[GLTP\\_Enbridge\\_authorization\\_form\\_20200309.pdf - 03/31/2020 12:28 PM](#)

**Comment**

NONE PROVIDED

### Agent Contact

**First Name      Last Name**

Jeff              *Benefiel*

**Organization Name**

*Stantec Consulting Services Inc.*

**Phone Type      Number      Extension**

Mobile          980-213-7730

**Email**

jeff.benefiel@stantec.com

2321 CLUB MERIDIAN DR

STE E

OKEMOS, MI 48864

### Are there additional property owners or other contacts you would like to add to the application?

Yes

### Additional Contact Information (1 of 3)

**Contact Role(s)**

Property Owner

**Contact Information****Prefix**

NONE PROVIDED

**First Name**

Geoffrey and Susan

**Last Name**

Krueger

**Title**

NONE PROVIDED

**Organization Name**

NONE PROVIDED

**Phone Type**

NONE PROVIDED

**Number**   **Extension****Email**

NONE PROVIDED

P.O. Box 711

Mackinaw City, MI 49701

**Additional Contact Information (2 of 3)****Contact Role(s)**

Property Owner

**Contact Information****Prefix**

NONE PROVIDED

**First Name**

P.J. (Jim)

**Last Name**

Durm

**Title**

Supervisor, Moran Township

**Organization Name**

Moran Township

**Phone Type**

NONE PROVIDED

**Number**   **Extension****Email**

NONE PROVIDED

PO BOX 364

SAINT IGNACE, MI 49781

**Additional Contact Information (3 of 3)****Contact Role(s)**

Property Owner

**Contact Information**

**Prefix**

NONE PROVIDED

**First Name**

NONE PROVIDED

**Last Name**

NONE PROVIDED

**Title**

NONE PROVIDED

**Organization Name**

Michigan Department of Natural Resources

**Phone Type**

Business

**Number**

5172846367

**Extension**

**Email**

NONE PROVIDED

PO BOX 30028

LANSING, MI 48909

**Project Location**

**DEQ Site Reference Number (Pre-Populated)**

2746869251480183093

**Project Location**

45.8126,-84.76

Straits of Mackinac, Mackinaw City, MI

**Project Location Address**

Straits of Mackinac

Mackinaw City, MI 49701

**County**

Mackinac

**Is there a Property Tax ID Number(s) for the project area?**

Yes

**Please enter the Tax ID Number(s) for the project location**

See Figure 11. North side: 008-720-056-00, 008-720-037-00, 008-720-036-00, 008-720-030-00, 008-720-038-00 South side: 15-03-10-400-005, 15-03-10-426-006, 15-03-10-427-001, 15-03-10-427-007, 15-03-10-427-008, 15-03-10-427-009, 15-03-10-427-011, 15-03-10-427-014, 15-03-10-427-015, 15-03-10-427-016, 15-03-10-427-017, 15-03-10-427-018, 15-03-10-427-019, 15-03-10-427-020, 15-03-10-427-021, 15-03-10-427-022, 15-03-10-427-024, 15-03-10-427-025, 15-03-10-427-026, 15-03-10-427-027, 15-03-10-427-028, 15-03-10-427-029, 15-03-10-427-031, 15-03-10-427-032, 42-03-51-300-012, 42-03-51-300-024

**Is there Subdivision/Plat and Lot Number(s)?**

No

**Is this project within Indian Lands?**

No

**Local Unit of Government (LUG)**

Moran Township

**Directions to Project Site**

North Side LOD: from the Mackinac Bridge (I-75 North), take exit 344 B for US-2 towards Manistique/Esanaba, then continue on US-2 West approximately 1.7 miles. Turn left onto Point LaBarbe Road and continue for approximately 0.5 miles, then turn left onto Boulevard Drive and continue for approximately 0.7 miles. South Side LOD: from the I-75 North, take exit 339 for Jamet Street, then turn right onto North Nicolet Street and right onto West Central Avenue. Continue on West Central Avenue for approximately 2.0 miles, then turn right onto Headlands Road for approximately 0.4 miles. Turn left onto Algonquin Drive, then right on to Chippewa Lane.

## **Background Information**

**Has the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and/or United States Army Corps of Engineers (USACE) conducted a pre-application meeting/inspection for this project?**

No

**Has the EGLE completed a Wetland Identification Program (WIP) assessment for this site?**

Yes

**Please enter the WIP assessment number:**

HNH-5DG4-74PKC, HNS-0YWV-8FK5P, HNP-MG92-AH0P1

**Upload copy of WIP letter**

WIPReport\_24-49-McGulpin Point and Point La Barbe-Moran and Wawatam.pdf - 03/31/2020 12:53 PM

WIPReport\_24-49-Enbridge Energy-Line 5.pdf - 03/31/2020 12:53 PM

WIPReport\_24-49-Boulevard-Algonquin-Drives.pdf - 03/31/2020 12:53 PM

**Comment**

NONE PROVIDED

Environmental Areas are coastal wetlands on the shorelines of the Great Lakes. Enter this number only if a designated Environmental Area is in the proposed project area. Environmental Areas are designated locations along the Great Lakes shoreline. If you don't know whether there is an environmental area within the project area, leave blank. Additional information on Environmental Areas can be found by clicking the following link:

[Click Here for Link](#)

**Environmental Area Number (if known):**

NONE PROVIDED

**Has the United States Army Corps of Engineers (USACE) completed either an approved or preliminary jurisdictional determination for this site?**

Yes

**DA File Number:**

LRE-2010-00463-56-A19

**Please attach a copy of the determination letter to this application**

Signed USACE PJD 01092020.pdf - 03/31/2020 01:37 PM

**Comment**

NONE PROVIDED

**Were any regulated activities previously completed on this site under an EGLE and/or USACE permit?**

No

**Have any activities commenced on this project?**

No

**Is this an after-the-fact application?**

No

**Are you aware of any unresolved violations of environmental law or litigation involving the property?**

No

**Is there a conservation easement or other easement, deed restriction, lease, or other encumbrance upon the property?**

Yes



## Easement Holder Contact Information

**First Name**            **Last Name**  
NONE PROVIDED    *NONE PROVIDED*

**Organization Name**  
*Michigan Department of Natural Resources*

**Phone Type**            **Number**            **Extension**  
Business                5172846367

**Email**  
NONE PROVIDED

PO BOX 30028  
LANSING, MI 48909  
[NO COUNTRY SPECIFIED]

## Describe the type of easement or encumbrance

The Michigan Department of Natural Resources granted an Easement to Construct and Maintain Underground Utility Tunnel at the Straits of Mackinac to the Mackinac Straits Corridor Authority. The easement document, as well as the easement assignment document have been uploaded to the Contact Information Section of this application.

## Attach a copy of a description of the easement or encumbrance

NONE PROVIDED  
**Comment**  
NONE PROVIDED

## Are there any other federal, interstate, state, or local agency authorizations associated with this project?

Yes

## List all other federal, interstate, state, or local agency authorizations.

Agency	Type of Approval	Number	Date Applied	Approved/Denied/Undetermined
Emmet County	Soil Erosion Control Permit	TBD	NONE PROVIDED	Undetermined
Mackinac County	Soil Erosion Control Permit	TBD	NONE PROVIDED	Undetermined
EGLE	Part 91 Notice of Coverage	TBD	NONE PROVIDED	Undetermined
EGLE	NPDES Industrial/Commercial	TBD	NONE PROVIDED	Undetermined

## Comments

NONE PROVIDED

## Permit Application Category and Public Notice Information

### Project Category Selection:

The Permit Application Category you apply under is dependent on the type and scope of activities you are undertaking and the resources affected. There is a three-tier permitting process to aid in expediting permits for regulated activities that occur on wetlands, inland lakes and streams, and the Great Lakes (Parts 301, 303, and 325): General Permit, Minor Project, and Individual Permit.

Additionally, Minor Project categories exist for floodplains under the authority of Part 31.

General Permit and Minor Project categories generally meet specific Best Management Practices criteria that have been shown to minimize impacts to resources if followed correctly. If you select a General Permit or Minor Project Category you must select the specific category(ies) that your project fits under. Any project that does not fit a General or Minor Category are Individual Permit projects. All projects in Critical Dunes, High Risk Erosion Areas, or Dam Safety projects will be Individual Permit Projects.

### Indicate the type of permit being applied for.

Individual Permit for all other projects

**This type of permit application requires that you include contact information for the adjacent landowners to this project. If you are only entering in a small number of bordering parcel owners contact information, please select "Enter list of recipients". If there is a rather large number of affected property owners such as a project that significantly affects lake levels, please upload a spreadsheet of the property owners. Please include names and mailing addresses.**

Upload a list.

#### **Uploads/Attachments**

[GLTP Adjacent\\_Property\\_Owners\\_20200406.pdf - 04/06/2020 01:24 PM](#)

#### **Comment**

Enbridge is requesting a Public Hearing be held for the project.

[Link to General Permit Categories with Descriptions](#)

[Link to Minor Permit Categories with Descriptions](#)

[Link to Minor Project Category descriptions for Floodplain Only projects \(See R323.1316\)](#)

## **Project Description**

**Project Use: (select all that apply - Private, Commercial, Public/Government/Tribal, Receiving Federal/State Transportation Funds, Non-profit, or Other)**

Commercial

**Project Type (select all that apply):**

Utility - Oil and gas pipelines

Please enter your answers in the text box for the next four questions. If you have a long description, please use the document upload at the end of the section. Please make every effort to enter your information directly into the application text boxes. If the answer is in an attachment, please identify that in the text box below.

**Project Summary (Purpose and Use): Provide a summary of all proposed activities including the intended use and reason for the proposed project.**

The Great Lakes Tunnel Project (Tunnel) is an underground tunnel that will be constructed and operated by Enbridge Energy Limited Partnership (Enbridge) and owned, upon the completion of its construction, by the Mackinac Straits Corridor Authority (Authority). The Tunnel is being pursued in accordance with the [Tunnel Agreement](#) that was executed by Enbridge and the Authority on December 19, 2018. That Agreement was entered in furtherance of Public Act 359, through which the State of Michigan established the Authority and delegated to it the right to acquire, construct, maintain, improve, repair, and manage a utility tunnel across the Straits of Mackinac (Straits). The Tunnel would cross below the lakebed of the Straits, connecting Point La Barbe in Michigan's Upper Peninsula to McGulpin Point in Michigan's Lower Peninsula in Mackinac and Emmet Counties, respectively. The distance between these two land points is approximately 3.58 miles and represents the shortest distance between Michigan's Upper and Lower Peninsulas. The Tunnel would extend as near as practicable to Enbridge's existing Line 5 station (North Straits Facility) located on the north shoreline of the Straits to an opening point as near as practicable to Enbridge's existing Line 5 Mackinaw Station located on the south shoreline of the Straits. Except for the opening points on either side of the Straits, the Tunnel will be constructed entirely underground, approximately 60 feet beneath the lakebed of the Straits. The Tunnel will be approximately 18-21 feet in finished diameter, or other appropriate diameter determined through final design. The Tunnel will accommodate the replacement of that portion of Enbridge's Line 5 pipeline (1) (Line 5) that crosses the Straits, and will provide the potential to accommodate other utilities. The Tunnel will be constructed with a structural lining, providing secondary containment to prevent any leakage of fluids from Line 5 or utilities into the lakebed or the Straits. The primary objective was to develop the project in a manner that avoids and/or minimizes potential adverse effects on the human and natural environments to the extent practicable. Alternatives considered during design of the project are described below. The preferred alignment alternative (including locations for Tunnel openings on either side of the Straits) represents the least impactful feasible and prudent alternative. The construction of the Tunnel openings on either side of the Straits meets the conditions of Nationwide Permit 12 (NWP 12) for Section 404, including the Detroit District NWP 12 Regional Conditions and the MDEQ (now EGLE) Water Quality Certification/CZMA consistency for NWP 12. The total wetland impact resulting from the construction of the Tunnel openings on both sides of the Straits is 0.11 acres, with impacts resulting from each single and complete Tunnel opening individually amounting to no more than 0.08 acres. The construction of the Tunnel openings on both sides of the Straits also appears to meet the Detroit Regional conditions applicable to all NWPs in Michigan. The project does not appear to meet the MDEQ (EGLE) Regional Conditions applicable to all NWPs in Michigan for Water Quality Certification and Coastal Zone Management consistency determination. (1) Line 5, in operation since 1953, transports light crude oil, light synthetic crude oil, light sweet crude oil, and natural gas liquids (NGLs). It provides the feedstock for refineries throughout the region that produce petroleum products such as gasoline, propane, diesel and jet fuel used by consumers across Michigan and surrounding regions.

**Project Construction Sequence, Methods, and Equipment:** Describe how the proposed project timing, methods, and equipment will minimize disturbance from the project construction, including but not limited to soil erosion and sedimentation control measures.

Please see the attached Construction Sequence, Methods, Timing and Equipment document.

**Project Alternatives:** Describe all options considered as alternatives to the proposed project, and describe how impacts to state and federal regulated waters will be avoided and minimized. This may include other locations, materials, etc.

Please see the attached Alternatives Analysis and Minimization of Impacts Report.

**Project Compensation:** Describe how the proposed impacts to state and federal regulated waters will be compensated, OR explain why compensatory mitigation should not be required for the proposed impacts. Include amount, location, and method of compensation (i.e., bank, on-site, preservation, etc.)

Enbridge is requesting a waiver for wetland mitigation, as total wetland impacts are well below the 1/3 acre threshold at which EGLE WRD typically requires mitigation. The majority of wetland impacts (wetland W13) are of low quality and much of the impacted areas are low lying areas within, and along the shoulder of, Boulevard Drive. Wetland mitigation options in the eastern Upper Peninsula are limited as no banks exist and there are very few prior converted wetlands near Point La Barbe that would make suitable mitigation sites. Enbridge is proposing to enhance an on-site wetland that contains invasive *Phragmites australis* (Figure 2 of the Correction Request Supplemental Figures). Enbridge will remove this species from the wetland (using mechanical means and/or herbicide applications) and plant a native wetland seed mix. Enbridge will evaluate the area periodically and remove *Phragmites* that may continue to grow until native wetland plant species are established.

**Upload any additional information as needed to provide information applicable to your project regarding project purpose sequence, methods, alternatives, or compensation.**

NONE PROVIDED

**Comment**

Please see the attached figures for further details.

## Resource and Activity Type

**Important! Answer all questions completely. Properly identifying your project in this section generates the proper application sections. Incomplete applications will require corrections before they can be fully processed.**

**SELECT THE ACTIVITIES** from the list below that are proposed in your project (check ALL that apply). If you don't see your project type listed, select "Other Project Type". These activities listed require additional information to be gathered later in the application.

Utility Crossings - Below Ground

Other Project Type

**The Proposed Project will involve the following resources (check ALL that apply).**

Wetland

Great Lake

100-year Floodplain

## Major Project Fee Calculation Questions

**Is filling of 10,000 cubic yards or more proposed (cumulatively) within wetlands, streams, lakes, or Great Lakes?**

No

**Is dredging of 10,000 cubic yards (cumulatively) or more proposed within streams, lakes, or Great Lakes? (wetlands not included)**

No

**Is new dredging or adjacent upland excavation in suspected contamination areas proposed by this application?**

No

**Is a subdivision, condominium, or new golf course proposed?**

No

## Wetland Project Information and Impacts

**PLEASE READ**

This section is for entering information regarding the impacts to Wetlands only. Do not input information that pertains to other resources (inland lakes, streams, floodplains, etc.). The initial questions are related to wetlands on the project site in general. The Proposed Activities questions are grouped into Fill, Dredge, Structures, Other and are only for wetland impacts related to these activities.

[Click HERE for more information on Wetlands Protection Program.](#)

**Has a professional wetland delineation been completed for this site?**

Yes

**Attach a copy of wetland delineation report with data form.**

[GLTP\\_Wetland\\_Report\\_Final\\_20191022.pdf - 03/31/2020 02:38 PM](#)

[GLTP\\_Wetland\\_Determination\\_Rpt\\_May2020.pdf - 07/21/2020 01:58 PM](#)

**Comment**

NONE PROVIDED

**Total acres of wetland affected by this project.**

Category	Affected area (acres)
Permanent	0.10
Temporary	0.03
	Sum: 0.13

**Is filling or draining of 1 acre or more (cumulatively) of wetland proposed?**

No

**Select all wetland types that will be affected by this project:**

Emergent

Forested

The following questions gather information on the specific Types of Activities your project includes that will impact WETLANDS. There are four overall Types of Activities: Fill, Dredge, Structure, Other. Under each of the Activity Type questions, specific activity lists will be shown. If the activity is not shown in the list given, select None of the Above and move to the next question. When you select an activity under Fill, Dredge, Structure, or Other, a table will appear under that type. Only enter the dimensions of the activity that are within wetland. Multiple activities covering the same footprint may be combined on one line in the table. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or  None of the Above . If you did not find your activity in any list then select  Other, Other  and provide a description of your activity.

If your project includes placing fill in wetland then select the proposed activities from the following list. If your activity is not shown, then select  None of the Above  and move to the next question. Only enter an impacted area in one of the impact tables (do not duplicate impact entries):

General Fill

Road - Upgrade/Improvement

**Complete this table for projects involving Fill. Enter each activity/ location that corresponds with each activity selected in the previous question and enter the dimensions. Activities may be entered in one line of the table if they occupy the same impact footprint and cannot be broken out separately (Example: Activity - Driveway and Riprap slope). Multiple activities in different locations should be listed on different lines of the table.**

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (square feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected value for complex impact AREAS (square feet)
W3 - General Fill	113	16	3.7	1808	6689.6	248	1420
W12 - Access Rd Upgrades	69	0.2	0.91	13.8	12.558000000000002	0	14
W13 - Access Rd Upgrades	690	3.4	1.74	2346	4082.04	151	3454
				Sum: 4167.8	Sum: 10784.198	Sum: 399	Sum: 4888

**Source of Fill Material:**

Off-site

**Please Describe**

Source of fill material is to be determined by the construction contractor. A source of clean fill material will be selected.

**Type of Fill.**

Other: Clean fill - 12" MDOT Coarse Aggregate 6AAA, 6AA, 6A, 17A, 25A, or 26A, and 4" MDOT Class 21AA, 21A, 22A or 23A dense graded aggregate or other crushed surface aggregate

**Is riprap proposed?**

Yes

**Indicate size range of riprap in inches:**

3-12 inches

**Type of riprap**

Angular rock

**Will material be installed under the riprap?**

No

Select from the following list for Excavation/Dredge Activities (if your proposed project is primarily a structure enter the impact as a structure. Only enter an impacted area in one of the impact tables in one impact section):

None of the above

If your project includes STRUCTURES IN WETLAND then select all of the proposed activities in the following list. If your activity is not shown, then select None of the Above and move to the next question. Only enter an impacted area in one of the impact tables (do not duplicate impact entries):

Outfall Structure

**Projects involving Structures:**

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (Sq. feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected value for complex impact AREAS (square feet)
W8 - Outfall Structure 002	50	10	3	500	1500	56	55
W8 - Outfall Structure 003	40	10	3	400	1200	44	44
				Sum: 900	Sum: 2700	Sum: 100	Sum: 99

If your project includes Other Activities in WETLAND not listed in this section, then select from the proposed activities in the following list. If your activity in Wetland has not been listed in this Wetland Section, then select Other and enter a description of your activity. Only enter an impacted area in one of the impact tables (do not duplicate impact entries). If you selected a Fill, Excavation/Dredging, or Structure activity above in this section, but do not have an activity listed as Other, then select None of the Above for this question.

None of the above

**Wetland Mitigation**

EGLE may impose as a condition of any wetland permit, other than a General permit, a requirement form compensatory mitigation. The wetland mitigation requirement may be waived for projects affecting less than one-third of an acre of wetland if no reasonable opportunity for mitigation exists.

Mitigation plans according to the mitigation checklist (link) are required for a complete application

[Wetland Mitigation Information](#)

**Is Wetland Mitigation being proposed as part of this proposed project?**

No

**Explain why no mitigation is proposed.**

Enbridge is requesting a waiver for wetland mitigation, as total wetland impacts are well below the 1/3 acre threshold at which EGLE WRD typically requires mitigation. The majority of wetland impacts (wetland W13) are of low quality and much of the impacted areas are low lying areas within, and along the shoulder of, Boulevard Drive. Wetland mitigation options in the eastern Upper Peninsula are limited as no banks exist and there are very few prior converted wetlands near Point La Barbe that would make suitable mitigation sites. Enbridge is proposing to enhance an on-site wetland that contains invasive Phragmites australis (Figure 2 of the Correction Request Supplemental Figures). Enbridge will remove this species from the wetland (using mechanical means and/or herbicide applications) and plant a native wetland seed mix. Enbridge will evaluate the area periodically and remove Phragmites that may continue to grow until native wetland plant species are established. Enbridge is also proposing to install perimeter barriers to prevent destruction of wetlands, plants and habitat from unauthorized off-road vehicles.

**Great Lake Project Information (1 of 1)**

**Please Read**

This section is for entering information regarding the impacts to a Great Lake only. Do not input information that pertains to other resources (inland lakes, streams, floodplains, etc.).

Projects located on the Great Lakes, including Lake St. Clair, may be required to secure leases or conveyances from the state of Michigan to place structures on the bottomlands. If a conveyance is necessary, an application must be submitted before the Joint Permit Application can be determined complete. For more information on Great Lakes bottomlands conveyances visit [https://www.michigan.gov/deq/0,4561,7-135-3313\\_3677\\_3702-10865--,00.html](https://www.michigan.gov/deq/0,4561,7-135-3313_3677_3702-10865--,00.html)

[Link to Great Lakes Bottomland Conveyances Information](#)

Enter the recent observed Great Lake water elevation at the project location. This information can be found on the USACE website link below or a relative elevation can be converted from a reference point or benchmark.

[Click here for link](#)

**Great Lake Water elevation reference\* (show elevation on plans with description):**

converted from still water elevation

**Great Lakes observed water elevation (feet)**

581.5

**Great Lake Average water depth at activity location in a normal year: (feet)**

100

**Date of observation (M/D/Y)**

1/6/2020

**Great Lakes Information Upload**

NONE PROVIDED

**Comment**

NONE PROVIDED

**Describe any measures used to retain sediment:**

Enbridge will comply with the following applicable parts of the Michigan Natural Resources and Environmental Protection Act, 1994, P.A. 451 regarding the protection of the state waters: Part 31, Water Resources Protection; Part 91, Soil Erosion and Sedimentation Control. Also see Enbridge's Environmental Protection Plan, attached.

**Will a turbidity curtain be used during the proposed project?**

No

If there are multiple Great Lakes associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data, provide the information in duplicate Great Lakes project information tabs by clicking on DUPLICATE or ADD NEW below. This adds a new section where you will enter the information about additional project impacts.

**Inland Lakes, Great Lakes and Stream Impacts (1 of 1)**

**PLEASE READ**

This section will collect information regarding Inland Lakes, Great Lakes, and Streams impacts and activities only. The initial questions are related to which waterbody the impacts pertain to. When there are multiple waterbodies (e.g., some impacts are on an inland lake and some impacts are on a stream), fill out a DUPLICATE tab for each waterbody impacted. For each waterbody, questions will be asked regarding the proposed activities. Proposed Activities questions are grouped into Fill, Dredge, Structures, Other and are only for the impacts related to these groups. Click [HERE](#) for more information on the Inland Lakes and Streams Protection Program.

[Link to information on Inland Lakes and Streams Permitting](#)

**The following impact description applies to: (select only one at a time, duplicate this entire section if there are impacts to multiple waterbody types):**

Great Lake

**Acres of Inland lake/Great Lake affected by your project below the Ordinary High Water Mark:**

Category	Acres
Permanent	0
Temporary	0
	Sum: 0

The following questions gather information on the specific Types of Activities your project includes that will impact INLAND LAKES, STREAMS, AND GREAT LAKES. There are four overall Types of Activities: Fill, Dredge, Structure, and Other. Under each of the Activity Type questions, specific activity lists will be shown. If the activity is not shown in the list given, select None of the Above and move to the next question. When you select an activity under Fill, Dredge, Structure, or Other, a table will appear under that type. Only enter the dimensions of the activity that are within INLAND LAKES, STREAMS, or GREAT LAKES. Multiple activities covering the same footprint may be combined on one line in the table. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or  None of the Above . If you did not find your activity in any list then select  Other, Other  and provide a description of your activity.

**Select from the following list all Fill Activities (select all that apply to this waterbody impacted):**

No fill

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**Activities Involving Dredging or Excavation: Select from the following list for Excavation/Dredge Activities (select all that apply to this waterbody impacted):**

No Dredging/Excavation Proposed

---

**If your project includes STRUCTURES then select all of the proposed activities in the following list. If your activity is not shown, then select  None of the Above  and move to the next question. Only enter an impacted area in one of the impact tables (do not duplicate impact entries):**

None of the above

---

**If your project includes Other Activities not listed in this section, then select from the proposed activities in the following list. If your activity has not been listed in this Section, then select  Other  and enter a description of your activity. Only enter an impacted area in one of the impact tables (do not duplicate impact entries). If you selected a Fill, Excavation/Dredging, or Structure activity above in this section, but do not have an activity listed as Other, then select None of the Above for this question.**

None of the above

**Does the proposed project include mitigation?**

none

If there are multiple waterbodies associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data on the waterbody, provide the information in duplicate stream project information tabs by clicking on DUPLICATE or ADD NEW below. This adds a new section where you will enter the information about additional project impacts.

## Intake or Outfall Structures

**Is the intake structure associated with an authorized outfall structure?**

No

**Number of intakes or outfalls:**

3

**Pipe Description**

Unique Identifier	Pipe Diameter (inches):	Invert Elevation:
Outfall Structure 001 - South Side LOD	30	TBD
Outfall Structure 002 - North Side LOD	30	TBD
Outfall Structure 003 - North Side LOD	30	TBD

**Type of intake or outfall stabilization:**

Riprap

**Has the water been treated (outfall only)?**

Yes

**Utility Crossings****Select all resource types that are proposed to be crossed by this project:**

Great Lake

**How many total Great Lake crossings are proposed?**

1

**Instructions:**

For wetland crossings using the open trench method show clay plugs at the wetland/upland boundaries on plans.

Please identify each individual crossing on proposed project plans.

**List of Utility Crossing Impacts**

Unique Identifier	Type of Crossing	Method	Utility Type	Length (feet)	Pipe diameter (inches)	Distance below surface (feet)	Trench width (feet)
Proposed pipeline	Great Lake	Directional Boring	Oil/gas pipeline	19407	252	65	0

**Floodplain****Proposed Activity**

Fill

**100-Year Floodplain Elevation**

Please provide a name for the stream, river, channel, or waterbody:	100-Year Floodplain Elevation (feet)	Datum	Source of Datum
Lake Michigan	585	NGVD29	FEMA FIRM Panel

**Upload Documents for Datum Source**

GLTP\_Firm\_Panel\_2604430075B.tif - 03/31/2020 03:14 PM

**Comment**

NONE PROVIDED

**Fill volume below the 100-year floodplain elevation (cubic yards)**

3630

**Source of Fill Material:**

Off-site

**Type of Fill**

Other: 4" of MDOT Class 21AA, 22AA, or 23A dense graded aggregate, overlaid on top of 12" MDOT Coarse aggregate 6AAA, 6AA, 6A, 17A, 25A, or 26A



**Calculations Upload**

NONE PROVIDED

**Comment**

Average depth of fill in the area of the 100-year floodplain is 16 inches. Area of 100-year floodplain within the LOD is 73,692 sq ft, for a total of 3,630 cu yd of fill.

**Compensating cut volume (cubic yards)**

0

**Is this project located in the floodway?**

No

**Were one or more Hydraulic Analyses completed for this project?**

No

**Local Unit of Government (LUG) Acknowledgement Letter Upload**

NONE PROVIDED

**Comment**

NONE PROVIDED

**Is there an existing building on site?**

No

**Upload of Proposed Site Plans**

**REQUIRED Application, maps, and drawings:**

\*Overall Project Site Plan

\*Cross-Sectional Drawings

For Part 315 Dam Safety applications attach detailed signed and sealed engineering plans for a Part 315 dam repair, dam alteration, dam abandonment, or dam removal.

[Examples site plan and cross-sectional drawings](#)

[For additional information on maps, drawings, and other attachments visit michigan.gov/jointpermit](http://michigan.gov/jointpermit)

**Required on all Site Plan uploads. Please identify that all of the following items are included on your plans that you upload with this application.**

Site Plan Features	Existing and Proposed Plan Set
Scale, Compass North, and Property Lines	Yes
Fill and Excavation areas with associated amounts in cubic yards	Yes
Any rivers, lakes, or ponds and associated Ordinary High Water Mark (OHWM)	Yes
Exterior dimensions of Structures, Fill and Excavation areas associated with the proposed project	Yes
Dimensions to other Structures and Lot Lines associated with the project	Yes
Topographic Contour Lines from licensed surveyor or engineer when applicable	N/A

**Upload Site Plans and Cross Section Drawings for your Proposed Project**

[GLTP\\_JPA\\_figures\\_20200402.pdf - 04/02/2020 04:41 PM](#)

[GLTP\\_CorrectionReq\\_JPA\\_Supplemental\\_Figures\\_20200518.pdf - 05/26/2020 03:44 PM](#)

**Comment**

NONE PROVIDED

### Additional Required and Supplementary Documents

- [EPP\\_Figures\\_ALL.pdf - 03/31/2020 03:18 PM](#)
- [Enbridge\\_investing\\_in\\_MI\\_pamphlet.pdf - 04/06/2020 01:11 PM](#)
- [GLTP\\_Methods\\_Timing\\_20200406\\_Final.pdf - 04/06/2020 01:13 PM](#)
- [GLTP\\_JPA\\_Supplemental\\_Info\\_20200406\\_Final.pdf - 04/06/2020 01:13 PM](#)
- [GLTP\\_AltAnalysis\\_20200406\\_Final.pdf - 04/06/2020 01:13 PM](#)
- [GLTP\\_Tunnel\\_Stability\\_pamphlet\\_040720.pdf - 04/07/2020 12:23 PM](#)
- [GLTP\\_Part\\_325\\_Letter\\_to\\_EGLE.pdf - 04/07/2020 12:23 PM](#)
- [Environmental\\_Protection\\_Plan.pdf - 05/26/2020 03:22 PM](#)
- [GLTP\\_Correction\\_Req\\_AltAnalysis\\_20200522.pdf - 05/26/2020 03:44 PM](#)
- [GLTP\\_Correction\\_Req\\_Plant\\_Mitigation\\_Plan\\_20200522.pdf - 05/26/2020 03:44 PM](#)
- [GLTP\\_Correction\\_Req\\_Summary\\_of\\_Potential\\_Env\\_Impacts\\_20200526.pdf - 05/26/2020 03:44 PM](#)
- [GLTP\\_EGLE\\_Correction\\_Req\\_response\\_ltr\\_20200526.pdf - 05/26/2020 03:44 PM](#)
- [GLTP\\_EGLE\\_WLMit\\_ltr\\_20200608.pdf - 06/08/2020 12:23 PM](#)
- [GLTP\\_EGLE\\_CR\\_response\\_ltr\\_20200617.cdd.pdf - 06/17/2020 10:28 AM](#)
- [GLTP\\_Rare\\_Plant\\_Report\\_Addendum1\\_20200615.pdf - 06/17/2020 10:41 AM](#)

#### Comment

NONE PROVIDED

### Fees

The application fee identified in this section is a calculation based on answers to the questions in this application. This calculation is an estimate of the total fee and will be reviewed by the application processor to determine if any additional fees are required for a complete application.

Individual Permit Fee:
+\$500.00

#### Total Fee Amount:

\$500.00

Is the applicant or landowner a State of Michigan Agency?

Yes

Will the State of Michigan agency identified as the Applicant or Land Owner be paying by an Internal Exchange Transaction (IET, previously known as IAB) in SIGMA?

No

### Status History

	User	Processing Status
7/21/2020 1:57:27 PM	Kristin Weidner	Draft

	User	Processing Status
7/21/2020 3:14:02 PM	Bob Steede	Submitted

## Revisions

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Revision	Revision Date	Revision By
Revision 1	3/31/2020 12:19 PM	Kristin Weidner
Revision 2	5/26/2020 2:06 PM	Kristin Weidner
Revision 3	6/8/2020 12:21 PM	Paul Turner
Revision 4	6/17/2020 10:17 AM	Paul Turner
Revision 5	7/21/2020 1:57 PM	Kristin Weidner