



MICHIGAN DEPARTMENT OF ENVIRONMENT,
GREAT LAKES, AND ENERGY
Water Resources Division

For EGLE Use Only

Permit Number _____

FERC File Number _____

Application for

☐ Initial License

☐ Relicense

EGLE File Number _____

Application for Water Quality Certification

Hydropower Project Licensing/Relicensing Only

Authorized in accordance with Part 31, Water Resources Protection of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.3101 et seq. with authority for issuing 401 Certifications delegated to the Director of the Water Resources Division as a result of Executive Order 1995-18 and Section 401(a) of the Clean Water Act.

1. Applicant and Cooperating Agency/Agent Information

Owner/Applicant (individual or corporate name) _____

Mailing Address _____

City _____

State _____

Zip Code _____

Contact Phone Number _____

Fax _____

Email _____

Facility Operator (firm name if different and contact person) _____

Mailing Address _____

City _____

State _____

Zip Code _____

Contact Phone Number _____

Fax _____

Email _____

Is the applicant the sole owner of all property on which this project is to be constructed and all property involved or impacted by this project?

☐ Yes ☐ No

If no, attach letter(s) of authorization from all property owners including the owner of the site, if different.

2. Project Location For Latitude, Longitude, and TRS info anywhere in Michigan see www.mcgi.state.mi.us/wetlands/.

Street/Road _____
Village/City _____
County _____
Township _____
Town _____
Range _____
Section(s) _____
Latitude _____
Longitude _____
How can your site be identified if there is no visible address? _____

3. Project Description

Project Name _____
Name of Water Body _____
Date of the FERC pre-application inspection _____
FERC Pre-Application # _____

☐ Attach documentation of the 30-day pre-application meeting request sent to EGLE staff

Date of pre-application meeting with EGLE staff. _____

List all other Federal, interstate, Tribal, state, territorial, or local agency authorizations required for the proposed activity and the current status of each authorization

Describe the proposed activity and the type(s) of discharge(s) that may result from the proposed activity, including specific locations, and the date(s) on which the proposed activity is planned to begin and end and, if known, the approximate date(s) when any discharge(s) may commence. (please attach additional sheets if necessary).

Describe current site conditions, including but not limited to relevant site data. Please attach relevant maps, diagrams, photographs that represent current site conditions, and other relevant documentation.

Describe any prior license deviations (if applicable), explaining magnitude, frequency, and duration for each type of deviation.

4. Water Quality

Have you talked with EGLE staff regarding water quality monitoring needs to determine compliance with water quality standards at this facility?

☐Yes ☐No

If no, this application remains incomplete.

- ☐ Attach the results from a water quality study completed within the last three years, designed and implemented in consultation with EGLE, used to determine ability to comply with the requirements of Rule 96, Determinations of Compliance with Water Quality Standards (R 323.1096), of the Part 4, Water Quality Standards (Part 4 Rules), promulgated pursuant to Part 31, Water Resources Protection, of the NREPA. This requirement may be waived if United States Environmental Protection Agency methods were used or EGLE determines that enough data is available through other sources to make the determination.

Please indicate what water quality monitoring has been conducted at the hydropower facility. All data requested by EGLE must be attached for this application to be considered complete.

- ☐ Any chemical monitoring for the following parameters: Alkalinity, Chlorophyll a, Total Arsenic, pH, Hardness, Secchi Depth, Specific conductivity, Total Ammonia, Total Dissolved Solids, Total Cadmium, Total Copper, Total Organic Carbon, Total Phosphorus, Total Suspended Solids, Total Lead, Total Nickel, Total Silver, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, α -BHC, α -Endosulfan, Aldrin, β -BHC, β -Endosulfan, Chlordane, δ -BHC, Dieldrin, Endosulfan Sulfate, Endrin, Endrin Aldehyde, γ -BHC (Lindane), Heptachlor, Heptachlor Epoxide, PCB-(Arochlors 1016, 1221, 1232, 1242, 1248, 1254, 1260), and Toxaphene.
- ☐ Sediment analysis and desired quantification levels (mg/kg) for the following: Total Arsenic (9.8), Total Barium (20.0) Total Cadmium (1.0), Total Copper (31.6), Total Chromium (43.3), Total Iron (20,000), Total Lead (35.8), Total Mercury (0.18), Total Nickel (22.7), Total Selenium (0.7), Total Silver (1.6), and Total Zinc (121). Additional analysis includes (micrograms per kilogram dry weight at 1% Total Organic Carbon) Total PAHs (1,610) and Total PCBs (59.8).
- ☐ Dissolved Oxygen and Temperature Studies: 1. Continuous monitoring preferred from mid-May through mid-October both upstream and downstream of the impoundment. The data should be validated at the end of each unattended monitoring period with an independent measuring system of by reading DO saturated water, 2. Temperature and DO profiles conducted in the deepest part of the impoundment every two weeks from June 1-August 31st and once mid-month for the months of February, April, May, September, and October during the same years that DO and temperature monitoring is done in the river.
- ☐ Fish Contaminant Analysis: Ten legal-sized fish of one resident, top predator species (e.g. walleye, northern pike, largemouth bass) should be collected for mercury analysis. PFOS and/or other parameters may be added to the top predator analysis as determined by EGLE staff. In addition, ten fish, of a size that would be retained for eating, of one resident, bottom dwelling species (e.g. white sucker, common carp) should be collected for total PCBs (congeners) and/or other parameters as determined by EGLE staff. Existing data from a similar impoundment on the same river can be substituted in some cases. For edible portion analysis (e.g. fillets), the Michigan Department of Health and Human Services (MDHHS) laboratory should be used for the chemical analysis. When utilizing the MDHHS laboratory, fish should be delivered to EGLE's Fish Contaminant Monitoring Program as whole, frozen fish for the fillet processing. Exceptions can be made to use outside laboratories on a case-to-case basis. Memorandum of understandings (MOU) or purchase orders will need to be established by the permittee/dam operator and the MDHHS Bureau of Laboratories. The purpose of the MOU is to establish and agree upon the responsibilities and procedures for MDHHS and licensee/dam operator for the analysis of the submitted samples.

5. Public Notice

The following information must be submitted as an attachment with this form:

- ☐ A list of project abutters. [For the purpose of public notice of this application, and "abutter", is any person who owns property that is both (1) adjoining and (2) within 1 mile of the delineated project boundary, including owners of property directly across a public or private right of way.]

6. Signature of the Applicant (agent)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for having knowledge of violations."

I certify under penalty of perjury, that this application is complete and accurate to the best of my knowledge. I further certify that I possess the authority to sign the application or am acting as the duly authorized agent of the applicant.

Signature of Applicant/Date

Signature of Agent/Date

Please mail the form to
401 Certification Program Coordinator
Water Resources Division
Great Lakes Watersheds Assessment, Restoration, and Management Section
P.O. Box 30458
Lansing, Michigan 48909-7958

If you need this information in an alternate format, contact EGLE-Accessibility@Michigan.gov or call 800-662-9278.

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations.

This form and its contents are subject to the Freedom of Information Act and may be released to the public.