



CHARTER TOWNSHIP OF CHESTERFIELD – BUILDING DEPARTMENT
 47275 Sugarbush, Chesterfield Township, MI 48047
 Phone: (586) 949-0400 Building@chesterfieldtwp.org

APPLICATION FOR BUILDING PERMIT, ZONING COMPLIANCE PERMIT AND PLAN EXAMINATION

Authority: P.A. 230 of 1972, as amended Completion: Mandatory to obtain permit Penalty: Permit will not be issued	Permit #
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In order to avoid delay all forms must be completely filled out and plans must contain required information.
 NOTE: Separate applications must be filled out for electrical, mechanical and plumbing permits.

PROJECT INFORMATION

Job Address

PROJECT DESCRIPTION/TYPE OF IMPROVEMENT

Detailed Description of Project Seawall Boat hoist Dock Other Explain:	Estimated Cost of Construction \$
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ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH THE STATE OF MICHIGAN BUILDING CODE AND ALL APPLICABLE TOWNSHIP ORDINANCES

APPLICANT INFORMATION - - Any address/email/phone # changes, please check here

Homeowner/license holder(print)		Address, City, State, Zip	
Email		Cell phone # & cell provider for text messages	
Driver License Number	Date of Birth	Builder License (if applicable)	Exp date
Company Name (if applicable)		Company phone # (if applicable)	

AFFIDAVITS

I hereby certify the building work described on this permit application shall be installed by myself in my own home in which I am living or about to occupy. All work shall be installed in accordance with the Building Code and shall not be enclosed, covered, used, or put into operation until it has been inspected and approved by the Building Inspector. I will cooperate with the Building Inspector and resume responsibility to arrange for necessary inspections.
I hereby certify that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent, and we agree to conform to all applicable laws of the Charter Township of Chesterfield and the State of Michigan. All information submitted on this application is accurate to the best of my knowledge.
Section 23a of the state construction code act 1972, 1972 PA 230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or residential structure. Violators of section 23a are subject to civil fines.

SIGNATURE

Signature of Applicant - Must be signed by Homeowner or license holder (Homeowner Signature indicates compliance with Homeowner Affidavit)	Date
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SEAWALL INFORMATION

1. Seawall permit Fee \$125.00 with \$100.00 Bond
2. Submit Approved [EGLE & Army Corp of Engineer](#) Permit along with a completed Township building permit application, copy of the applicant's driver license and [Macomb County soil erosion](#) permit.
(See below for directions on ways to apply)
3. Required Inspections sheeting length, tie-back and whaler inspection and backfill inspection.

Sea Wall Construction for Commercial or Business Property

Seawall construction for commercial or business property shall be designed for the site by a registered professional engineer considering all backfills as well as any surcharge weight due to parking, building, etc.

Seawall Construction for Residential Property

Seawall construction for residential property shall be in accordance with the following requirements:

- A. The record high-water prior to 1974 was elevation 577.6 (all elevations are based on the U.S. Geodetic Survey datum) based on conditions of no wind or waves. Wind and waves can increase the lake level several feet at shore lines, lakes and canals depending on the direction of the wind and other causes. The top of any seawall constructed under this ordinance shall not be less than elevation 580 which is 0.4 feet above the record high water level, unless sixty (60%) percent of the highest walls 300 feet on either side of the proposed wall is less than such elevation then and, in that event, the top elevation may conform to the medium elevation of the highest Sixty (60%) percent of the sea walls 300 feet on either side of the proposed seawall. Depending on location and exposure, the owner of the proposed seawall should consider the effects of wind and waves in determining the need for additional height above that elevation.
- B. Wall construction materials shall be either:
 1. Interlocking steel sheet piling - minimum 3/16 inch thick or
 2. Two inches thick tongue and groove pressure treated on piece wood, or
 3. Concrete or other material should be approved by the township engineer.
- C. The stability of a seawall is dependent on the bottom section being embedded in the ground to a sufficient extent to provide enough ground resistance to prevent the bottom of the seawall sheeting from sliding laterally. Sliding resistance is dependent on stiffness of the ground and the amount of embedment of the sheeting in the ground. The stiffer the ground the less embedment of the sheeting is required. Therefore, walls shall have from 40% to 60% of their total length embedded in the ground with the lesser figure being used for the soft clay ground through which little effort is needed to drive the sheeting during installation. Embedment shall be defined as the part or the total sheeting length driven in the ground below an elevation two (2) feet below the existing lake or canal bottom elevation 568.0 whichever is higher.
- D. Walls shall be complete with whaler, capping, tie-backs and deadman.
- E. Deadman shall consist of one (1) section of steel sheet piling driven vertically with a one (1) foot horizontal such that the bottom of the piling is one (1) foot closer to the wall than the top of the piling. The top of the deadman sheet piling shall be 10 feet long and located not less than 16 feet back of the seawall except that deadman sheet piling installed on sea walls parallel to side lot lines may be a minimum of 10 feet from said seawall but shall be increased in length one (1) foot for each foot less than 16 feet the spacing is between the deadman and the seawall. No deadman shall be less than 10 feet from the seawall. Deadman must be installed within the property on which the seawall is installed.

- F. Tie-backs connecting the whaler and the deadman shall consist of not less than ¾ inch diameter solid one-piece steel rods. Tie-backs shall connect for the deadman sheet piling 3 feet below the top of the deadman, however, a whaler shall not be required with steel sheeting, but a whaler shall be required with all wood sea walls.
- G. Deadman and tie-backs shall be spaced a maximum of (8) feet center to center.
- H. Whalers shall be installed 22 to 32 feet below the top of the wall.
- I. Design of the seawall shall consider all backfill weight as well as any surcharge due to parking, building and the like. However, a minimum for a seawall length shall be 12 feet for canals and rivers and 14 feet for lake construction for the total length of the sheeting.
- J. Standards set forth in items C, E, F, G & H may be varied to other configurations when supported by a solid investigation and a full engineering design substantiating a proposed variation if approved by the Township Engineer.

Directions from EGLE/USACE on applying for permits

For any dredging, filling, or placing spoil or other materials on bottomlands a permit under Part 325, Great Lakes Submerged Lands, of the Natural Resources and Environmental Protection Act, Act 451 of 1994, as amended (NREPA). Bottomlands are defined as lands in Lake St. Clair, and bays and harbors thereof, lying below and lakeward of the ordinary high-water mark (OHWM) of 575.3 feet. A permit is also required from the USACE for work done below their statutory OHWM of 576.3 feet. More information on submerged lands can be found here:

<https://www.michigan.gov/egle/about/organization/Water-Resources/submerged-lands>

The Michigan Department of Environmental, Great Lakes, and Energy (EGLE) has an online permitting portal, MiEnviro, where residents can submit an EGLE/USACE Joint Permit Application (JPA). More information about MiEnviro, including FAQs, can be found here: <https://www.michigan.gov/egle/maps-data/mienviroportal> The JPA covers permit requirements derived from state and federal rules and regulations for construction activities where the land meets the water. This JPA prevents duplication of state and federal permitting and provides simultaneous review for activities on or for: Wetlands, Floodplains, Dams, Inland Lakes and Streams, and Great Lakes Bottomlands. More information about the JPA can be found here: www.michigan.gov/jointpermit

The EGLE permit has many different categories that residents can apply for but we have many common projects listed under our Minor and General Permit (MP/GP) categories. These categories generally meet specific Best Management Practices criteria that have been shown to minimize impacts to these resources if followed correctly. While these categories represent activities that typically require minimal review if criteria are met, they do not define projects that necessarily will be issued. More information on permit categories and their associated fees can be found here:

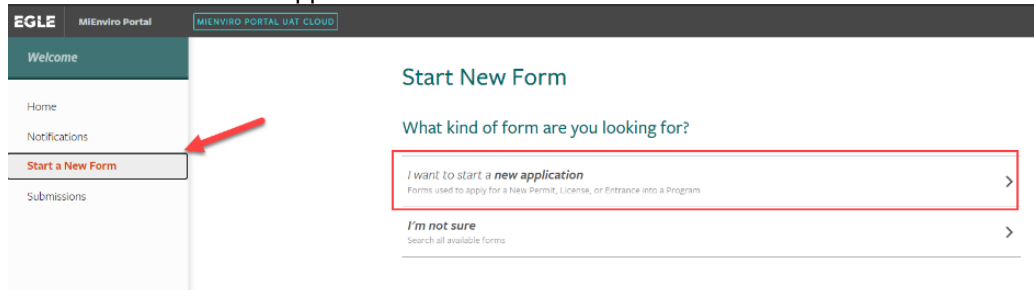
<https://www.michigan.gov/egle/about/organization/water-resources/wetlands/permit-categories>

If anyone has any other questions, please refer to the permitting staff map here: <https://www.michigan.gov/egle/-/media/Project/Websites/egle/Documents/Programs/WRD/About-Us/Staff-Land-Water-Permits.pdf?rev=42821b5f7c744af8b44a72da2e644813&hash=9261B61DB3EC1CEB4156B889340E26E5>

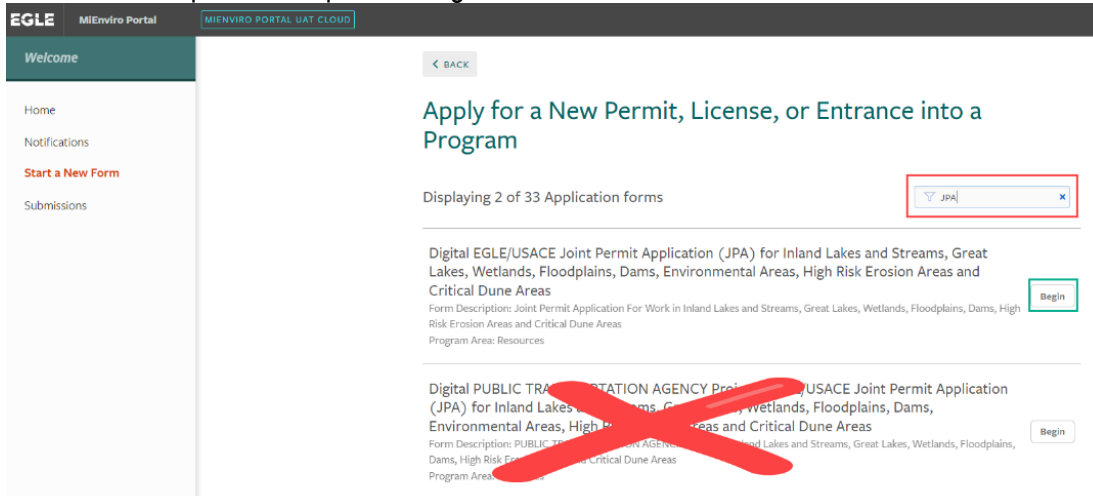
To submit a an EGLE/USACE Joint Permit Application (JPA) please follow the steps below:

1. Go to EGLE's online permitting database, MiEnviro: <https://mienviro.michigan.gov/ncore/login>
2. Create an account.
3. Look in your email for an account activation notification.
4. Complete the security questions by clicking on the link in the activation email.
5. Click on the "Start a New Form" tab located on the left-hand side of the screen.

6. Select “I want to start a new application”.



7. Type “JPA” in the Filter box at the top-right. Click the “Begin” button next to the form titled “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”. It should be the first result. Do NOT click on the JPA for public transportation agencies.



9. Upload all requested documentation. This includes, but is not limited to, a location map, detailed site plan(s) and cross-sectional drawing(s) with all required information described within the link below, and a signed authorization letter if you are an agent/contractor proposing work to take place on property that you do not own. For JPA’s associated with proposed wetland impacts please upload a wetland delineation with associated data sheets attached and a topographic map of the parcel(s) proposed for development.
10. Please review our guidance about site plans, including sample drawings, here: <https://www.michigan.gov/egle/-/media/Project/Websites/egle/Documents/Programs/WRD/Wetlands/JPA-Sample-Drawings.pdf?rev=8bb82328dd104ce4a0d87373a1ec2921>
11. Submit your request with the appropriate fee. Fees are determined by the category of permit you are applying for. More about JPA permit categories and associated fees can be found here: <https://www.michigan.gov/egle/about/organization/water-resources/wetlands/permit-categories>

For more information on MiEnviro, including tutorials, FAQs, and webinars, please review the following link: <https://www.michigan.gov/egle/maps-data/mienviroportal>. If you experience any issues with MiWaters and you have already looked through the available FAQs and tutorials, please contact EGLE-WRD-MiEnviro@michigan.gov