



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER DIVISION

PERMIT APPLICATION FOR WATER SUPPLY SYSTEMS
 (CONSTRUCTION - ALTERATION - ADDITION OR IMPROVEMENT) AS DESCRIBED HEREIN
Required under the Authority of 1976 PA 399, as amended

This application becomes an Act 399 Permit only when signed and issued by authorized DEQ Staff.
 See instructions below for completion of this application.

1. Municipality or Organization, Address and WSSN that will own the water facilities to be constructed. This permit is to be issued to: Charter Township of Grand Blanc G-5371 South Saginaw Street P.O. Box 1833 Grand Blanc, MI 48480-0057 WSSN:	Permit Stamp Area (DEQ use only)	
2. Owner's Contact Person (provide name for questions): Contact: Mr. Daniel Potter Title: Authorized Agent Phone: (810) 424-2660		
3. Project Name (Provide phase number if project is segmented):	4. Project Location (City, Village, Township): Township of Grand Blanc	5. County (location of project): Genesee

ISSUED UNDER THE AUTHORITY OF THE DIRECTOR OF THE DEPARTMENT OF ENVIRONMENTAL QUALITY

cc:

Issued by: _____

Reviewed by: _____

If this box is marked see attached special conditions.

Instructions: Complete items 1 through 5 above and 6 through 21 on the following pages of this application. Print or type all information except for signatures. Mail completed application, plans and specifications, and any attachments to the Michigan Department of Environmental Quality District Office having jurisdiction in the area of the proposed construction.

Please Note:

- a. This **PERMIT** only authorizes the construction, alteration, addition or improvement of the water system described herein and is issued solely under the authority of 1976 PA 399, as amended. Depending on the specific conditions of the project, other permits from this Department or other governmental agencies may be required.
- b. This **PERMIT** expires two (2) years after the date of issuance in accordance with R 325.11306, 1976 PA 399, administrative rules, unless construction has been initiated prior to expiration.
- c. Noncompliance with the conditions of this permit and the requirements of the Act constitutes a violation of the Act.
- d. Applicant must give notice to public utilities in accordance with 1974 PA 53, (MISS DIG), being Section 460.701 to 460.718 of the Michigan Compiled Laws, and comply with each of the requirements of that Act.
- e. All earth changing activities must be conducted in accordance with the requirements of the Soil Erosion and Sedimentation Control Act, Part 91, 1994 PA 451, as amended.
- f. All construction activity impacting wetlands must be conducted in accordance with the Wetland Protection Act, Part 303, 1994 PA 451, as amended.
- g. Intentionally providing false information in this application constitutes fraud which is punishable by fine and/or imprisonment.

Continue application on following pages



6. **Facilities Description** – In the space below provide a detailed description of the proposed project. Applications without adequate facilities descriptions **will be returned**. SEE EXAMPLES BELOW. Use additional sheets if needed.

EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES	
Water Mains	500 feet of 8-inch water main in First Street from Main Street north to State Street. OR 250 feet of 12-inch water main in Clark Road from an existing 8-inch main in Third Avenue north to a hydrant.
Booster Stations	A booster station located at the southwest corner of Third Avenue and Main Street, and equipped with two, 15 Hp pumps each rated 150 gpm @ 200 feet TDH. Station includes backup power and all other equipment as required for proper operation.
Elevated Storage Tank	A 300,000 gallon elevated storage tank located in City Park. The proposed tank shall be spherical, all welded construction and supported on a single pedestal. The tank shall be 150 feet in height, 40 feet in diameter with a normal operating range of 130 – 145 feet. The interior coating system shall be ANSI/NSF Standard 61 approved or equivalent. The tank will be equipped with a cathodic protection system, and includes a tank level control system with telemetry.
Chemical Feed	A positive displacement chemical feed pump, rated at 24 gpd @ 110 psi to apply a chlorine solution for Well No. 1. Chlorine is 12.5% NaOCL, ANSI/NSF Standard 60 approved and will be applied at a rate of 1.0 mg/l of actual chlorine.
Water Supply Well	Well No. 3, a 200 foot deep well with 170 feet of 8-inch casing and 30 feet of 8-inch, 10 slot screen. The well will be equipped with a 20 Hp submersible pump and motor rated 200 gpm @ 225 feet TDH, set at 160 feet below land surface.
Treatment Facilities	A 5 million gpd water treatment plant located at the north end of Second Avenue. The facility will include 6 low service pumps, 2 rapid mix basins, 4 flocculation/sedimentation basins, 8 dual media filters, 3 million gallon water storage reservoir and 6 high service pumps. Also included are chemical feed pumps and related appurtenances for the addition of alum, fluoride, phosphate and chlorine.



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General Project Information – Complete all boxes below.	
7. Design engineer's name, engineering firm, address, phone number, and email address:	8. Indicate who will provide project construction inspection: <input type="checkbox"/> Organization listed in Box 1. <input type="checkbox"/> Engineering firm listed in Box 7. <input type="checkbox"/> Other - name, address, and phone number listed below.
9. Is a basis of design attached? <input type="checkbox"/> YES <input type="checkbox"/> NO If no, briefly explain why a basis of design is not needed.	
10. Are sealed engineering plans attached? <input type="checkbox"/> YES <input type="checkbox"/> NO If no, briefly explain why engineering plans are not needed.	
11. Are construction specifications attached? <input type="checkbox"/> YES <input type="checkbox"/> NO If specifications are not attached, they need to be on file at DEQ.	
12. Were Recommended Standards for Water Works, AWWA guidelines, and the requirements of Act 399 and its administrative rules followed? <input type="checkbox"/> YES <input type="checkbox"/> NO If no, explain which deviations were made and why.	
13. Are all coatings, chemical additives and construction materials ANSI/NSF or other adequate 3 rd party approved? <input type="checkbox"/> YES <input type="checkbox"/> NO If no, describe what coatings, additives or materials did not meet the standard and why.	
14. Are all water system facilities being installed in the public right-of-way or a dedicated utility easement? (For projects not located in the public right-of-way, utility easements must be shown on the plans.) <input type="checkbox"/> YES <input type="checkbox"/> NO If no, explain how access will be obtained.	
15. Is the project construction activity within a wetland (as defined by Section 324.30301(d) of Part 303, 1994 PA 451)? <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, a wetland permit must be obtained.	
16. Is the project construction activity within a 100-year floodplain (as defined by R 323.1311(e)) of Part 31, 1994 PA 451, administrative rules? <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, a flood plain permit must be obtained.	
17. Is the project construction activity within 500 feet of a lake, reservoir, or stream? <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, a Soil and Erosion Control Permit must be obtained <u>or</u> indicate if the owner listed in box 2 of this application is an Authorized Public Agency (Section 10 of Part 91, 1994 PA 451) <input type="checkbox"/> Owner is APA.	



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18. Will the proposed construction activity be part of a project involving the disturbance of five (5) or more acres of land?
 YES NO

If yes, is this activity regulated by the National Pollutant Discharge Elimination System storm water regulations?

YES: NPDES Authorization to discharge storm water from construction activities must be obtained.

NO: Describe why activity is not regulated:

Please call 517-241-8993 with questions regarding the applicability of the storm water regulations.

19. Is the project in or adjacent to a site of suspected or known soil or groundwater contamination?

YES NO

If yes, attach a copy of a plan acceptable to the DEQ for handling contaminated soils and/or groundwater disturbed during construction. Contact the local DEQ district office for listings of Michigan sites of environmental contamination.

20. IF YOU ARE A CUSTOMER/WHOLESALE/BULK PURCHASER, COMPLETE THE FOLLOWING

1) Name and WSSN of source water supply system (seller) _____

2) Does the water service contract require water producer/seller to review and approve customer/wholesale/bulk purchaser water system construction plans?

YES NO

3) If yes, is the producer/seller approval letter attached?

YES NO

If no to #3, explain why approval letter is not attached. _____

21. **Owner's Certification** The owner of the proposed facilities or the owner's authorized representative shall complete the owner's certification. It is anticipated that the owner will either be a governmental agency (city, village, township, county, etc.) or a private owner (individual, company, association, etc.) of a Type I public water supply.

OWNER'S CERTIFICATION

I, _____ (name), acting as the _____ (title/position) for
(print) (print)

_____ (entity owning proposed facilities) certify that this project has
(print)

been reviewed and approved as detailed by the Plans and Specifications submitted under this application, and is in compliance with the requirements of 1976 PA 399, as amended, and its administrative rules.

Signature _____

Date _____

Phone _____



PROJECT BASIS OF DESIGN

PROJECT NAME: _____

For this PROJECT the following information must be provided per Act 399 unless waived by the Department. Attach additional sheets as necessary.

- A. A general map of the initial and ultimate service areas
 Included on engineering plans Attached separately
- B. Initial number of service connections served by project _____
- C. Total number of service connections served by project _____
- D. Initial Residential Equivalent Units (REUs) served by project _____
- E. Total Residential Equivalent Units (REUs) served by project _____
- F. Water flow rates for proposed project based on REUs listed in "D" and "E" above
 - 1. Initial design average day flow (mgd) _____
 - 2. Initial design maximum day flow (mgd) _____
 - 3. Total design average day flow (mgd) _____
 - 4. Total design maximum day flow (mgd) _____
 - 5. Maximum design fire flows: _____ gpm for _____ hours
- G. Actual flows and pressures of existing system
at the connection point(s) _____ gpm at _____ psi