

Permit No. MI0059209

## FACT SHEET

PERMITTEE/FACILITY NAME: Harrietta Hills Trout Farm LLC / Grayling Fish Hatchery

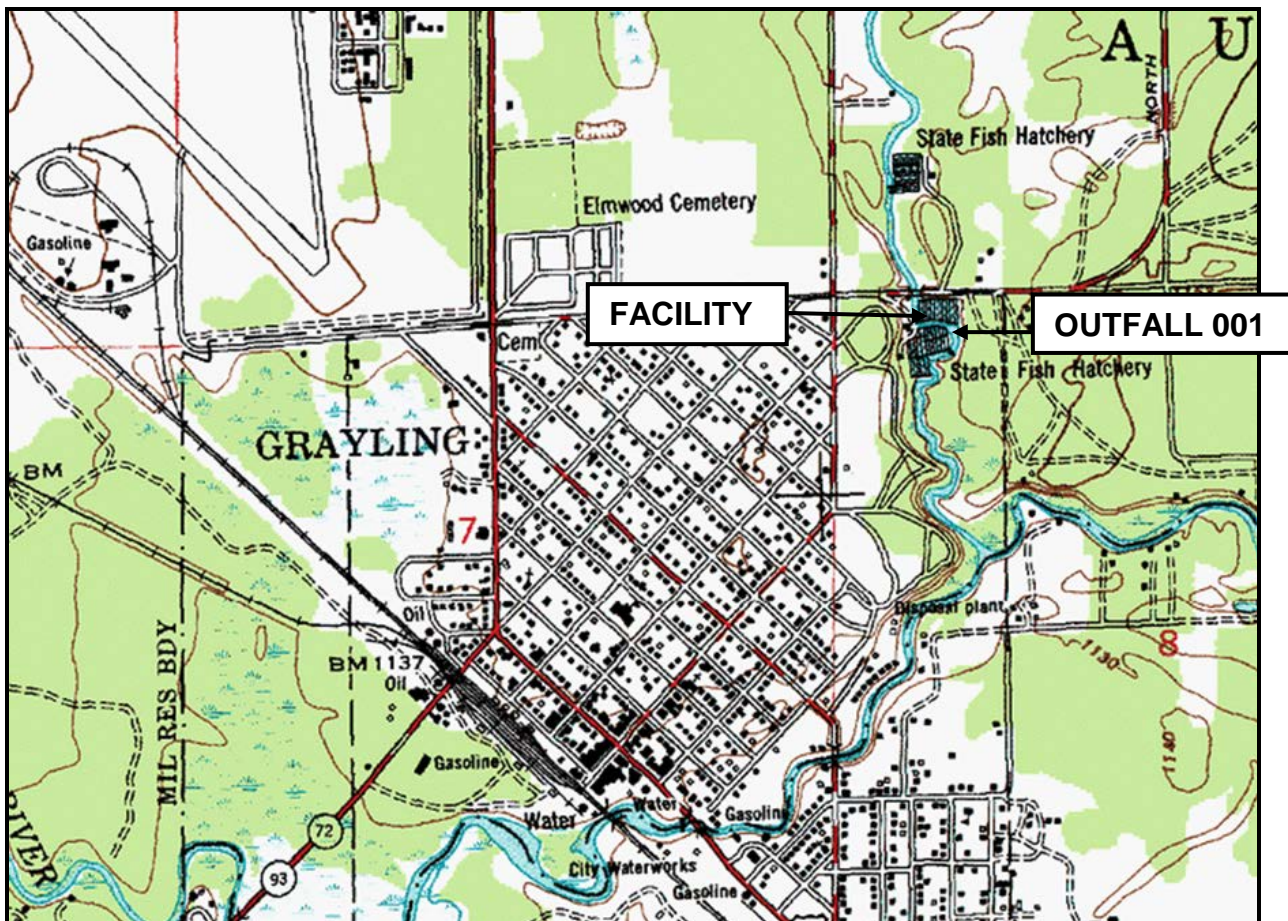
COUNTY: CRAWFORD

### DESCRIPTION OF EXISTING AND PROPOSED WASTEWATER TREATMENT FACILITIES

The Grayling Fish Hatchery is currently operating at a level of production which does not require a National Pollutant Discharge Elimination System (NPDES) permit. The applicant is proposing to increase production above the level requiring authorization under an NPDES permit for the discharge of wastewater. The applicant is proposing to gradually increase production with an expected maximum production level of 300,000 pounds of trout produced annually. The facility consists of eight, flow-through raceways. A maximum of 8.64 million gallons per day of water from the East Branch of the Au Sable River flows through the raceways before being routed back into the river. The permittee regulates the amount of water flowing through each raceway by changing the height of boards on the upstream end of the raceways. The applicant is proposing to continue to operate the system as currently constructed until the production level reaches 100,000 pounds per year. At that time, all eight raceways will be modified to include in-line quiescent zones to increase the settling rate of nutrients prior to discharge.

### MAP OF DISCHARGE LOCATION

Facility Public Land Survey System Coordinates:  
NW1/4, NW1/4, Section 8, T26N, R3W  
Grayling Township, **CRAWFORD COUNTY**



## RECEIVING WATER

The East Branch of the Au Sable River is protected for agricultural uses, navigation, industrial water supply, public water supply in areas with designated public water supply intakes, cold-water fish, other indigenous aquatic life and wildlife, partial body contact recreation, total body contact recreation (May through October), and fish consumption.

The receiving stream flows used to develop effluent limitations are a 95 percent exceedance flow of 21 cfs, a harmonic mean flow of 39 cfs, a 90-day, 10-year low flow of 26 cfs, and a 50% exceedance flow for the growing season (April – September) of 45 cfs.

## MIXING ZONE

For toxic pollutants, the volume of the Au Sable River used in assuring that effluent limitations are sufficiently stringent to meet Water Quality Standards is 25 percent of the applicable design flow of the receiving stream.

For other pollutants, the volume of the Au Sable River used in assuring that effluent limitations are sufficiently stringent to meet Water Quality Standards is the applicable design flow of the receiving stream.

## PROPOSED EFFLUENT QUALITY: (from completed application dated October 18, 2013)

<u>Parameter</u>	<u>Maximum Monthly</u>	<u>Maximum Daily</u>	<u>Units</u>
Total Suspended Solids (net)	---	4.0	mg/l
Total Phosphorus (as P)	---	0.01	mg/l

## PROPOSED EFFLUENT LIMITATIONS: (see draft permit)

## BASIS FOR PROPOSED EFFLUENT LIMITATIONS:

Based on this facility's application for an NPDES permit, the Department of Environmental Quality (Department) proposes to issue the applicant a permit to discharge, subject to effluent limitations and certain other conditions within the permit. Effluent limitations for total phosphorus and formaldehyde, and monitoring requirements for total suspended solids and temperature in the discharge are based on water quality. Effluent limitations for net total suspended solids are based on best professional judgment. Monitoring requirements for flow, production rate and outfall observation, and influent monitoring requirements for total suspended solids, temperature, and total phosphorus are based on permit writer's judgement.

### ADDITIONAL INFORMATION

The Department proposes that the applicant's Antidegradation Demonstration, based on information required by Subrule (4) of R323.1098, shows that lowering of water quality is necessary to support the identified important social and economic development in the area. This is solely for purposes of satisfying state water quality regulations and is not intended to supplant local requirements, including land use or zoning laws. It is not, and should not be construed as, a finding by the Department that the proposed development meets local requirements or ordinances.

### REGISTER OF INTERESTED PERSONS

Any person interested in a particular application, or group of applications, may leave his/her name, address, and telephone number as part of the file for an application. The list of names will be maintained as a means for persons with an interest in an application to contact others with similar interests.

### PUBLIC COMMENT

Comments or objections to the draft permit received between April 3, 2014, and May 7, 2014, will be considered in the final decision to issue the permit.

If submitted comments indicate significant public interest in the application or if useful information may be produced, the Department, at its discretion, may hold a public hearing on the application. Any person may request the Department to hold a public hearing on the application. The request should include specific reasons for the request, indicating which portions of the application or draft permit constitute the need for a hearing.

Public notice of a hearing will be provided at least thirty (30) days in advance. The hearing will normally be held in the vicinity of the discharge. The Department will consider comments made at the hearing when making its final determinations on the permit. Further information regarding the draft permit, and procedures for commenting or requesting a public hearing may be obtained by contacting Tarek Buckmaster, Permits Section, Water Resources Division, Department of Environmental Quality, P.O. Box 30458, Lansing, Michigan 48909, telephone: 517-284-5584, e-mail: buckmastert@michigan.gov.