MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
Geologic Resources Management Division

Water Supply Assessment

(To be completed by a Michigan Registered Water Well Drilling Contractor)

Small Quantity Well Owner

Owner: _____

Address: _____

City: _____ State: _____ Zip: _____

Work Phone: _____ Email Address: _____

Cell Phone: _____

Nearest Crossroads: _____

County: _____ Township: _____ Section: _____

GPS Coordinates

Latitude (decimal degrees): _____ Longitude (decimal degrees): _____

Nature of Well Problem

☐ Reduced well yield
☐ No water
☐ Water Quality Change
☐ Other (please describe below):

Well Features

Depth: _____feet Casing diameter: _____inch Year drilled: _____

Static water level (SWL): _____feet, _____inch below ground surface

Method of SWL Measurement

☐ Electronic tape or probe
☐ Weighted tape
☐ Air line
☐ Borehole camera
☐ I exhausted all feasible options and was unable to determine the static water level without possibly damaging the well for the following reason(s):

Pump Type

☐ Submersible
☐ Shallow well jet
☐ Deep well packer jet
☐ Deep well 2-pipe jet

Pump Capacity: _____ gpm (gallons per minute)

Length of drop pipe: _____ feet below ground surface

Diagnosis (Check all that apply)

☐ Well and pumping equipment functioning properly and are not the cause of the well failure.
☐ Inadequate pump submergence (pump intake is near or below static water level).
☐ Well screen/intake plugged.
☐ Pump or pressure tank malfunction.
☐ Pump electrical control problem or power supply interruption.
☐ Other (Explain):

Suggested Correction

Certification

I hereby certify that a thorough assessment of the water supply system has been conducted and that the expertise and best professional judgment using my diagnosis of the problem is based on my technical

_____ _____
Well Drilling Contractor Signature Date

_____
Well Drilling Contractor Printed Name

Date of Assessment: _____

Registration Number: _____

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Work Phone: _____ Email Address: _____

Cell Phone: _____

INSTRUCTIONS FOR COMPLETION

This form is for water well system assessments conducted under Part 317, Aquifer Protection and Dispute Resolution, 1994, PA 451, as amended (NREPA). The assessment assists the Michigan Department of Environment, Great Lakes, and Energy (EGLE) or Michigan Department of Agriculture and Rural Development (MDARD) in the investigation of complaints of small-quantity well failure due to groundwater lowering by a high capacity well.

The state of Michigan is not responsible for the cost of the assessment. Under Part 317, if EGLE or MDARD issues an order declaring a "groundwater dispute," reimbursement of the complainant's cost for the assessment is the responsibility of the owner of the high capacity well that caused the well problem. If an order is issued, the high-capacity well-owner will be notified of his or her obligation to reimburse the small-quantity well-owner for incurred costs in accordance with Section 31707. Eligible costs must be "reasonable", and costs incurred more than 30 days before the complaint was filed are not eligible for reimbursement. EGLE or MDARD cannot issue an order against the responsible high-capacity well owner unless a water well driller has completed this assessment, and the assessment shows that the well and pumping equipment were mechanically functioning when the failure occurred.

The purpose of the assessment is to rule out that the well failure is due to a malfunction of the pumping equipment or well components. Part 317 requires a written assessment by a well drilling contractor that includes "…a determination of the static water level in the well at the time of the assessment, if the static water level determination will not result in the well being damaged or decommissioned, and, if readily available, the type of pump and equipment."

Static Water Level Measurement

Please use the following methods for measuring the static water level (SWL):

1. Turn off the electrical pump circuit.
2. Remove any packers or seals that may impede SWL measurement.
3. Wait for water level to recover to SWL.
4. Use a weighted tape measure, electronic water level meter, data-logger, or downhole TV camera. Wipe down the tape or cable with a clean cloth soaked with a chlorine solution before placing it into the well.
5. Record the SWL (in feet and inches below ground surface).
6. BE SURE THE SWL MEASUREMENT IS RECORDED AS DISTANCE BELOW GROUND SURFACE, **NOT BELOW THE TOP OF THE CASING**.
7. If packers, seals, drop pipes, or other water well components were removed, disinfection of the well is advised.

Provide the small-quantity well-owner with a copy of this assessment.

The small-quantity well owner must submit a copy of this form with their Groundwater Dispute Complaint (EQP9204) to EGLE by:

Additional information on aquifer dispute resolution and the Water Use Program is available at EGLE's Water Use Program website

Mail to: EGLE, Geologic Resources Management Division
Water Use Assessment Unit
PO Box 30458
Lansing, Michigan 48909-7958

Email: WaterUseProgram@Michigan.Gov

Fax: 517-335-0894 (This number will accept faxes only from within Michigan)
517-241-9003 (Use this number if faxing from a different state)

People with disabilities may request this material in an alternate format by emailing EGLE-Accessibility@Michigan.gov or calling 800-662-9278.

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