



## APPLICANT CHECKLIST FOR WATER WITHDRAWAL PERMIT

Complete this form and include with application

**Applicant Name:** RMS Gravel, Inc.      **Facility Name:** RMS Gravel, Inc.  
**Facility Address:** 290 Mott Road      **DEC Region:** 7  
**Project Type (From WW-1):** Water Withdrawal  
**Water Use (From WW-1):** Industrial      **For Department Use: WWA #:**  

Item No.	Requirement (see, 6 NYCRR § 601.10) <a href="http://www.dec.ny.gov/regs/4445.html">http://www.dec.ny.gov/regs/4445.html</a> <a href="http://www.dec.ny.gov/lands/94327.html">http://www.dec.ny.gov/lands/94327.html</a> ) **	Included or N/A?	Location of Item In Application Package
1	Electronic Copy of Application Package (Recommended)	Included	
2	Application Transmittal Letter	Included	Supersedes
3	Joint Application Form – signed **	Included	Attachment A
4	WW-1 Form **	Included	Attachment B
5	Project Authorization for public water supply (PWS) systems, include legal certification form and proof of transportation corporation formation if applicable **	N/A	
6	General Map - Include location of project and other pertinent features.	Included	With Engineers Report
7	Watershed Maps – if applicable	N/A	
8	Contract plans for <u>non-public</u> water supply systems. Plans for PWS systems should be sent directly to NYS Department of Health (DOH)	N/A	
9	Engineering Report - <b>PE signed and sealed</b> **See Note 1	Included	Attachment C
10	Water Conservation Program Form – signed **	Included	Attachment D
11	Latest Annual Water Withdrawal Reporting Form (for projects involving existing withdrawals)	Included	Attachment E
12	Land Acquisition Maps - if applicable	N/A	
13	Water Analysis - sent directly to DOH if new PWS source	N/A	
14	Project Justification - 8 questions answered	N/A	
15	Canal withdrawal approvals - if applicable	N/A	
16	Great Lakes Basin Diversion - if proposed	N/A	
17	SEQR Form, include Determination if available	N/A	
18	State Historic Preservation Office (SHPO) submission or No Effect Letter from SHPO	N/A	

Note 1: Engineering Report must include hydrologic or hydrogeologic evaluation of water source

Reset Form



JOINT APPLICATION FORM

For Permits for activities affecting streams, waterways, waterbodies, wetlands, coastal areas, sources of water, and endangered and threatened species.

You must separately apply for and obtain Permits from each involved agency before starting work. Please read all instructions.

1. Applications To:

>NYS Department of Environmental Conservation [checked] Check here to confirm you sent this form to NYSDEC.

- Check all permits that apply: [ ] Stream Disturbance, [ ] Excavation and Fill in Navigable Waters, [ ] Docks, Moorings or Platforms, [ ] Dams and Impoundment Structures, [ ] 401 Water Quality Certification \*, [ ] Freshwater Wetlands, [ ] Tidal Wetlands, [ ] Wild, Scenic and Recreational Rivers, [ ] Coastal Erosion Management, [ ] Water Withdrawal, [ ] Long Island Well, [ ] Incidental Take of Endangered / Threatened Species

\* See Instructions Page 3

>US Army Corps of Engineers [ ] Check here to confirm you sent this form to USACE.

Check all permits that apply: [ ] Section 404 Clean Water Act [ ] Section 10 Rivers and Harbors Act

Is the project Federally funded? [ ] Yes [ ] No

If yes, name of Federal Agency: [ ]

General Permit Type(s), if known: [ ] [ ]

Preconstruction Notification: [ ] Yes [ ] No

>NYS Office of General Services [ ] Check here to confirm you sent this form to NYSOGS.

- Check all permits that apply: [ ] State Owned Lands Under Water, [ ] Utility Easement (pipelines, conduits, cables, etc.), [ ] Docks, Moorings or Platforms

>NYS Department of State [ ] Check here to confirm you sent this form to NYSDOS.

Check if this applies: [ ] Coastal Consistency Concurrence

2. Name of Applicant

RMS Gravel, Inc. Taxpayer ID (if applicant is NOT an individual) 16-1463920

Mailing Address 290 Mott Road Post Office / City Dryden State NY Zip 13053

Telephone (607) 844-8196 Email brian@miningstrategy.com

Applicant Must be (check all that apply): [checked] Owner [ ] Operator [ ] Lessee

3. Name of Property Owner (if different than Applicant)

[ ]

Mailing Address [ ] Post Office / City [ ] State [ ] Zip [ ]

Telephone [ ] Email [ ]

For Agency Use Only Agency Application Number: [ ]

**4. Name of Contact / Agent**  
 Brian Milliman  
 Mailing Address: 1149 County Highway 27  
 Post Office / City: Richfield Springs  
 State: NY Zip: 13439  
 Telephone: 315-725-6259 Email: brian@miningstrategy.com

**5. Project / Facility Name**  
 RMS Gravel, Inc.  
 Property Tax Map Section / Block / Lot Number: 35-1-6.1  
 Project Street Address, if applicable: 290 Mott Road  
 Post Office / City: Dryden  
 State: NY Zip: 13053  
 Provide directions and distances to roads, intersections, bridges and bodies of water  
 South of the Fall Creek, the Site is off of the North side of Mott Road, 0.5 miles East of Freeville and 0.75 miles Northwest of Dryden.  
 Town  Village  City  
 County: Tompkins Stream/Waterbody Name: Fall Creek  
 Project Location Coordinates: Enter Latitude and Longitude in degrees, minutes, seconds:  
 Latitude: 42° 30' 47.128" Longitude: -76° 19' 31.332"

**6. Project Description:** Provide the following information about your project. Continue each response and provide any additional information on other pages. **Attach plans on separate pages.**

a. Purpose of the proposed project:  
 RMS Gravel, Inc. is completing the water withdrawal application in accordance with the NYSDEC new water withdrawal permitting program. The facility has an existing withdrawal with a MAX capacity in excess of 4.167 million gallons per day. Water is used onsite to process sand and gravel. All water is part of a closed system and remains onsite where 98% is recycled. A make up well replaces water consumed by evaporation.

b. Description of current site conditions:  
 RMS Gravel operates the following water withdrawals. Water is pumped from settling pond #3 into the processing area, 2,500 gpm. Two Makeup wells (#1 and #2) located in the processing area are used for additional water needs approximately 8 hours per week, 400 gpm (200 gpm from each well). The water returns to settling pond #1, through settling pond #2 then to settling pond #3 for reuse. All water is part of a closed system. No chemicals are added to the production water.

c. Proposed site changes:  
 No modification to the existing site or any system are being completed.

d. Type of structures and fill materials to be installed, and quantity of materials to be used (e.g., square feet of coverage, cubic yards of fill material, structures below ordinary/mean high water, etc.):  
 No modification to the existing site or its structures are being completed. No fill materials will be used as no changes to the site are being completed.

e. Area of excavation or dredging, volume of material to be removed, location of dredged material placement:  
 No modification to the existing site is being completed, so no excavation or dredging is being completed.

f. Is tree cutting or clearing proposed?  Yes If Yes, explain below.  No  
 Timing of the proposed cutting or clearing (month/year):  
 Number of trees to be cut: Acreage of trees to be cleared:

g. Work methods and type of equipment to be used:

No modification to the existing site is being completed so no equipment is needed.

h. Describe the planned sequence of activities:

No Modification to the existing site is being completed so no project related activities are planned at this time.

i. Pollution control methods and other actions proposed to mitigate environmental impacts:

No modification to the existing site is being completed so no pollution control methods are needed.

j. Erosion and silt control methods that will be used to prevent water quality impacts:

No Modification to the existing site is being completed, and erosion and silt control methods will be used, as needed to prevent water quality impacts

k. Alternatives considered to avoid regulated areas. If no feasible alternatives exist, explain how the project will minimize impacts:

No modification to the existing site is being completed.

l. Proposed use:  Private  Public  Commercial

m. Proposed Start Date:  Estimated Completion Date:

n. Has work begun on project?  Yes If Yes, explain below.  No

N/A, existing withdrawal, no modification to the existing site is being completed.

o. Will project occupy Federal, State, or Municipal Land?  Yes If Yes, explain below.  No

p. List any previous DEC, USACE, OGS or DOS Permit / Application numbers for activities at this location:

N/A

q. Will this project require additional Federal, State, or Local authorizations, including zoning changes?

Yes If Yes, list below.  No

**7. Signatures.**

Applicant and Owner (If different) must sign the application. If the applicant is the landowner, the **landowner attestation form** can be used as an electronic signature as an alternative to the signature below, if necessary. Append additional pages of this Signature section if there are multiple Applicants, Owners or Contact/Agents.

I hereby affirm that information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief.

Permission to Inspect - I hereby consent to Agency inspection of the project site and adjacent property areas. Agency staff may enter the property without notice between 7:00 am and 7:00 pm, Monday - Friday. Inspection may occur without the owner, applicant or agent present. If the property is posted with "keep out" signs or fenced with an unlocked gate, Agency staff may still enter the property. Agency staff may take measurements, analyze site physical characteristics, take soil and vegetation samples, sketch and photograph the site. I understand that failure to give this consent may result in denial of the permit(s) sought by this application.

False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the NYS Penal Law. Further, the applicant accepts full responsibility for all damage, direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and agrees to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from said project. In addition, Federal Law, 18 U.S.C., Section 1001 provides for a fine of not more than \$10,000 or imprisonment for not more than 5 years, or both where an applicant knowingly and willingly falsifies, conceals, or covers up a material fact; or knowingly makes or uses a false, fictitious or fraudulent statement.

**Signature of Applicant**

Date



4-26-21

Applicant Must be (check all that apply):  Owner  Operator  Lessee

Printed Name

Title

Roy Reeves

Owner

**Signature of Owner (If different than Applicant)**

Date

Printed Name

Title

**Signature of Contact / Agent**

Date



4/30/21

Printed Name

Title

Brian Milliman

Consultant , Strategic Mining Solutions

**For Agency Use Only**

**DETERMINATION OF NO PERMIT REQUIRED**

Agency Application Number

(Agency Name) has determined that No Permit is required from this Agency for the project described in this application.

Agency Representative:

Printed Name

Title

Signature

Date

# New York State Department of Environmental Conservation Water Withdrawal Application Supplement WW-1

May 2013

Pursuant to [6 NYCRR Part 601](#)

**READ THE INSTRUCTIONS ON PAGE 2 BEFORE COMPLETING THIS FORM**

FOR DEPARTMENT USE ONLY	
Application No.	
WWA Number	

**1. APPLICANT NAME**  **2. FACILITY NAME**

**3. PROJECT TYPE**  Water Withdrawal  New Public Water Supply Service Area or Extension  
 Land Acquisition for Public Water Supply  Change in Use of Existing Water Withdrawal

**4. WATER USE TYPE**  Public Water Supply  Bottled/Bulk Water  Commercial  Cooling  Industrial  
 Institutional  Mine Dewatering  Oil/Gas Production  Power Production  Recreational  
 Other:

**5. WITHDRAWAL TYPE**  Existing  New  
 If this is an existing public water supply, provide the most recent WSA or WWA Number:   
 If other than public water supply, list other existing or pending related DEC permits (e.g., SPDES, Mining, Dam):

**6. WATER WITHDRAWAL SOURCE**  Surface Water  Groundwater  
 Water Body Name(s)   
 Nearest Surface Water Body  Distance From Well (in feet)

**7. WATER SUPPLY TO OTHER STATES** Does this project involve the transport of any fresh water of NYS through pipes, conduits, ditches or canals to any other state?  
 No  Yes, describe:

**8. TRANSPORTATION OF WATER BY VESSEL** Does this project involve the transport by vessel of more than 10,000 gallons per day of surface water? (Excludes ballast water necessary for normal vessel activity. A vessel is defined as any floating craft propelled by mechanical power.)  
 Yes  No

**9. WATER WITHDRAWAL AMOUNTS** This project involves the withdrawal of up to:  gallons per day Source Name   
 Does the project include a MAJOR DRAINAGE BASIN TRANSFER of water? See map at <http://www.dec.ny.gov/lands/56800.html>  No  Yes  
 If yes,  Existing  New From Basin  To Basin

**10. REQUIRED EXHIBITS (6 NYCRR Part 601.10)** Provide the names of the required exhibits applicable to this withdrawal:

<p><b>601.10(a) PROJECT AUTHORIZATION FOR PUBLIC WATER SUPPLY SYSTEMS</b> (e.g. Resolutions, Ordinances) <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(b) GENERAL MAP</b> (e.g. Project Location, For Public Water Supplies - water service area boundary) <input style="width: 150px;" type="text" value="Within Engineering Rpt"/></p> <p><b>601.10(c) WATERSHED MAPS</b> (Topographic map with location of withdrawal and any return flow or interbasin diversions). <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(d) CONTRACT PLANS</b> (Public Water Supplies should submit directly to NYSDOH for review and approval) <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(e) ENGINEER'S REPORT</b> (Signed by NYS PE, includes project description, water source yields and demands, etc.) <input style="width: 150px;" type="text" value="Attachment C"/></p> <p><b>601.10(f) WATER CONSERVATION PROGRAM</b> (Completed Water Conservation Program Form) <input style="width: 150px;" type="text" value="Attachment D"/></p> <p><b>601.10(g) ANNUAL REPORTING FORM FOR EXISTING WITHDRAWALS</b> (Most recent submitted annual report) <input style="width: 150px;" type="text" value="Attachment E"/></p>	<p><b>601.10(h) ACQUISITION MAPS</b> (Map of any lands to be acquired as part of project) <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(i) WATER ANALYSES</b> (Public Water Supplies should submit chemical &amp; bacterial analysis directly to NYSDOH) <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(j) TREATMENT METHODS</b> (Public Water Supplies - proposed methods to meet NYSDOH standards) <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(k) PROJECT JUSTIFICATION</b> (Provide summary statement of answers to the eight justification questions) <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(l) CANAL WITHDRAWAL APPROVALS</b> (If applicable, provide adequate proof of approval from Canal Authority) <input style="width: 150px;" type="text" value="N/A"/></p> <p><b>601.10(m) TRANSMITTAL LETTER</b> (Include all contact information for applicant, attorney, engineer, etc.) <input style="width: 150px;" type="text" value="Supersedes"/></p> <p><b>601.10(n) GREAT LAKES-ST. LAWRENCE RIVER WATER RESOURCES COMPACT PROCESS REQUIREMENTS</b> (Only applicable to Public Water Supply diversions from Great Lakes Basin - no other diversion types are allowed). <input style="width: 150px;" type="text" value="N/A"/></p>
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**Clear Form** Applicant Signature Name  Date   
 Title  Revised Date: 1-27-2021

# INSTRUCTIONS

## Water Withdrawal Application Supplement Form (WW-1)

1. Before completing this form, please carefully review the Water Withdrawal Permit Program page located on the Department's website at <http://www.dec.ny.gov/lands/55509.html> (non-agricultural facilities) and <http://www.dec.ny.gov/lands/86747.html> (agricultural facilities). Note that applications by existing systems for an Initial Permit shall be submitted in accordance with the schedule established in NYCRR Part 601.7(b)2 as shown in Table 1 at <http://www.dec.ny.gov/lands/86935.html>.
2. This form is to accompany the [Joint Application Form](#). The Joint Application Form, Supplement WW-1 and their instructions are available on the Department's website at <http://www.dec.ny.gov/permits/6222.html>.
3. NYSDEC strongly encourages electronic submission of supporting documents. Submit 3 completed copies of the Joint Application Form, Supplement WW-1 and all attachments to the NYSDEC Regional Permit Administrator (refer to the Joint Application Instructions).
4. Applicant Name - Applications must be in the name of the owner of the water withdrawal system involved. For acquisitions of existing systems, the applicant should be the prospective owner.
5. All Water Withdrawal Applications must include a completed [Water Conservation Program Form](#) demonstrating that the applicant has developed and implemented a [Water Conservation Program](#) that incorporates environmentally sound and economically feasible water conservation measures. Information is available on the Department's website at <http://www.dec.ny.gov/lands/86945.html>.
6. Locate and describe all facilities and service areas on appropriate maps and plans to be submitted with this form. Choose a scale for this location map that allows you to accurately define all groundwater wellhead and surface water intake positions, and the overall project area within the county or town. Include coordinates for all wellheads and intakes on the Joint Application Form, Item 8, and on additional sheets if needed.
7. Water Withdrawal Amounts (Item 9) - Convert to gallons per day (GPD). In order to convert from gallons per minute (GPM) to GPD, multiply GPM x 1440.
8. All facts and opinions expressed in the application must be documented in appropriate legal, engineering, or other papers attached as exhibits and noted in Item 10 of this form.
9. If more room is needed to complete any item, provide the information as attachments.
10. All Water Withdrawal Applications must include the following items in a separate exhibit:
  - a) Names, titles, mailing addresses, and phone numbers of the Applicant's Attorney; Engineer; and other consultants (planners, geologists, etc.) serving the applicant.
  - b) A list of all maps and exhibits accompanying the application.



MOVE YOUR ENVIRONMENT FORWARD

# ENGINEER'S REPORT NEW WATER WITHDRAWAL PERMIT APPLICATION

**RMS Gravel, Inc.**  
290 Motts Road  
Dryden, New York, 13053

Prepared For:

New York State Department of Environmental Conservation  
Region 7, Regional Permit Administrator  
615 Erie Blvd West, Room 206  
Syracuse, NY 13204-2400

Prepared By:

HRP Associates, Inc.  
1 Fairchild Square, Suite 110  
Clifton Park, NY 12065

HRP #: STR1501.WM

Issued On: January 27, 2022



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- Figure 3 Site Flow Diagram
- Figure 4 Site Photos



General Information

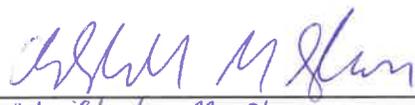
Project/Site Information:  
RMS Gravel, Inc.  
290 Motts Road  
Dryden, NY 12477

Consultant Information:  
HRP Associates, Inc.  
1 Fairchild Square, Suite 110  
Clifton Park, NY 12065  
Phone: 518-877-7101  
Fax: 518-877-8561  
E-mail Address:  
Chris.sbarra@hrpassociates.com  
Project Number: STR1501.WM

Client Information:  
RMS Gravel, Inc.  
290 Motts Road  
Dryden, NY 12477

Revised Date: 1/27/2022

Report Date: 5/17/2021

Report Author:   
Christopher M. Sbarra  
Project Engineer

Client Manager:   
Thomas S. Seguljic, P.E.  
Vice President

PE Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

  
Thomas S. Seguljic, P.E. - Vice President



## **1.0 GENERAL DESCRIPTION AND HISTORY OF PROJECT**

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RMS Gravel, Inc. (facility) is located in Dryden, Tompkins County, New York (See figure 1). The Site is located South of the Fall Creek, off the North side of Mott Road, 0.5 miles East of Freeville and 0.75 miles Northwest of Dryden.

The facility produces sand and gravel that is produced from an onsite source (Quarry). The sand and gravel is mined and transported to the central processing area via an overland conveyor where it is loaded into a crusher. The material is then sent to a series of screens where it is sorted between fine (up to 1 ½ inch) and coarse (over 1 ½ inch) material. Water is withdrawn from Settling Pond #3 and is pumped at a rate of 2,500 gpm (1,425,000 GPD) to the quarry for material processing. The fine material is washed through a series of scaling screens and then organized by grain size. The coarse material is sent through the coarse metal washer and then organized by grain size. A Make Up Well, located in the processing area, is used in this process as necessary and is used on average two days per week. The Make Up Wells #1 and #2 have twelve (12) inch casings installed in overburden. When the wells are in use (200 gpm) there is no observed drawdown.

After sand and gravel processing, all water that has not been absorbed by the material or lost through spray/evaporation flows downhill to a collection trench to the north west of the processing area. The water from this trench flows into a pipe which transports it downhill to settling pond #1. The water flows from pond #1 into pond #2 then into pond #3 for reuse. No chemical additives are used during the recycling of the water. All water remains onsite and is part of a closed system.

The facility's water withdrawal system is categorized as Industrial. The facility maintains multiple surface water withdrawals and a groundwater withdrawal for the use in the production of sand and gravel aggregate. The water stored in Settling Pond #3 and the Make Up Wells provide all the water for the production of sand/ gravel aggregate and dust suppression. The facility only uses water when processing sand and gravel. The site operates from 7:30 am to 4:00 pm (9.5 hours per day), six days per week (Monday – Saturday). The site only operates from the middle of April to the end of October. No water is used onsite outside of these operating hours.

## 2.0 **GENERAL MAP**

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Figure 2 shows the water withdrawal locations at the facility and pertinent site information.

The water withdrawals from onsite Settling Pond #3 utilized to produce sand and gravel are to the north of the main production area.

The overburden wells (Make Up Well #1 and #2) are utilized for additional water to produce sand and gravel is located in the center of the main production area.

The locations of the settling ponds, the central processing area, and the makeup well are marked in figure 2.

### 3.0 **WATER SOURCE CAPACITIES AND SYSTEM DEMAND CALCULATIONS**

#### 3.1 **Water Source Capacities**

- a) The maximum total facility withdrawal capacity over a theoretical 24 hour period, is 2,900 gallons per minute (gpm) or 4.176 million gallons per day (MGD). Table 1 displays the existing water withdrawal system and capacities.

Table 1: Water Withdrawals

Withdrawal	Withdrawal Type	Status	Capacity (gpm)	Well Depth (ft)
Settling Pond #3	Lake/Pond	Active	2,500	N/A
Make Up Well #1	Unconsolidated Well	Active	200	50
Make Up Well #2	Unconsolidated Well	Active	200	50

*Note: Potable water from Office Supply well, all others used for production*

- b) The facility's water withdrawal system is not a public water system.
- c) The facility maintains one pump connected to Settling Pond #3 and an unconsolidated groundwater well (Make Up well). The pump connected to the settling pond is rated at 2,500 gpm. The unconsolidated well, rated at 200 gpm, is approximately 50 feet deep and supplies additional water to the production area as needed. The well is used approximately 8 hours per week and experiences no drawdown when in use. All water remains onsite and is part of a closed system. Test data from the installation of Makeup well #2 (installed in 2019) showed that no observed drawdown occurred during a 10 hour pumping test at 500 GPM, which exceeds the withdrawal rate of the current pumps installed on both wells (one 200 gpm pumps per well). The facility is secured by locked fencing when no personnel are on site. The post production water is returned to settling pond #1, flows through settling pond #2 and returns to settling pond #3 for future use.
- d) The facility's water withdrawal system does not include any dams. The three settling ponds are unlined and have a total area of approximately 69,000 ft<sup>2</sup> and an average depth of 8 feet. The banks of the ponds are made of packed earth and are regularly maintained by the heavy equipment onsite, which include bulldozers and backhoes. Vegetation was added to the surface of the banks to prevent erosion.

### 3.2 Water Demands

a) Instantaneous Rate of Withdrawal

$$\begin{aligned} &= (\textit{Settling Pond \#3 gpm} + \textit{Make Up Well \#1 gpm} + \textit{Make Up Well \#2 gpm}) \\ &= (2,500 \textit{ gpm} + 200 \textit{ gpm} + 200 \textit{ gpm}) \\ &= \mathbf{2,900 \textit{ gpm}} \end{aligned}$$

b) Maximum Daily Rate of Withdrawal (if system was used continuously for 24 hours)

$$\begin{aligned} &= (\textit{Settling Pond \#3 Pump gpm} + \textit{Make Up Well \#1 gpm} + \textit{Make Up Well \#2 gpm}) * \\ & \quad (\textit{24 hrs/day}) * (\textit{60 min/hr}) \\ &= (2,500 \textit{ gpm} + 200 \textit{ gpm} + 200 \textit{ gpm}) * \textit{24 hrs/day} * \textit{60 min/hr}) \\ &= \mathbf{4,176,000 \textit{ gpd}} \end{aligned}$$

c) Average Daily Rate of Withdrawal (based on 9.5 working hours (7:00 am to 4:30 pm))

$$\begin{aligned} 1,425,000 \textit{ gpd} &= (\textit{Settling Pond \#3 Pump gpm}) * (\textit{9.5 hrs/day}) * (\textit{60 min/hr}) \\ 192,000 \textit{ gallons per week} &= (\textit{Make Up Well \#1 gpm} + \textit{Make Up Well \#2 gpm}) * \\ & \quad (\textit{8 hrs/week}) * (\textit{60 min/hr}) \\ 32,000 \textit{ gpd} &= 192,000 \textit{ gallons per week (makeup wells 1 and 2)} / \textit{6 working days per week} \\ \mathbf{1,457,000 \textit{ total gpd}} & \textit{ on average from both the ponds and the makeup wells} \end{aligned}$$

d) Existing Daily Average, Daily Maximum and 30 day Maximum Withdrawal

The existing daily average for the water withdrawal at the facility is approximately 1.457 MGD and the maximum daily withdrawal rate is 4.176 MGD. The site only operates the pumps during operating hours (7:00 am to 4:30 pm Monday through Saturday). The Make up well is only used approximately 8 hours per week. The average 30-day withdrawal under these operating conditions (26 operating days per 30 calendar days) is 37,882,000 gallons. The average 30 water return for this system is 37,050,000 gallons. The average 30-day water consumption is 832,000 gallons (the water that needed to be replaced by the makeup wells). This water withdrawal system is a closed system with a 30-day average water recycling rate of 98%. The consumed water is a result of evaporation and water that remains in the sand and gravel aggregate post-production. These estimated rates are based on the 2020 water withdrawal reporting form (Attachment E). The 30-day Maximum withdrawal based on continuous pumping for 30 days, 24 hours per day would equate to 125,280,000 gallons.

e) Projected Daily Average, Daily Maximum and 30-day Maximum Withdrawal

The facility does not have plans to change the existing production rate and water usage at the facility; therefore, the water withdrawal demands will remain the same for the foreseeable future.

## 4.0 EVALUATION OF ALTERNATIVES AND PROJECT JUSTIFICATION

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### Evaluation of Alternatives

RMS Gravel uses water to process sand and gravel aggregate. There is no municipal water supply that could be used for these processes at the site. It would be cost prohibitive to bring water via water truck to the site and store it for the processing of sand and gravel. The only viable option for the daily volume of water required to process sand and gravel at this site is to withdraw it from the holding ponds and the make up wells as needed.

### Project Justification

The italicized text are the listed question found in § 601.10(k).

*1. why the proposed project was selected from the evaluated alternatives*

1. The proposed project was selected from the evaluated alternatives because there is no municipal water supply available for the site and purchasing water to process the sand and gravel aggregate would not be economically feasible. The sand and gravel aquifer has sufficient recharge and capacity to support the current water withdrawal. The water withdrawal exceeds the 100,000 gallon per day limit so the withdrawal requires a permit.

*2. why increased water conservation or efficiency measures cannot negate or reduce the need for the proposed water withdrawals;*

2. Increased water conservation or efficiency measures cannot migrate or reduce the need for the current water withdrawal because the minimum possible volume of water is currently used to process sand and gravel. Approximately 98% of all water used to process the sand and gravel aggregate is collected and recycled through the holding ponds. The only sources of water loss are from moisture that is trapped in the processed aggregate and from evaporation. Rainwater runoff is collected either directly in the ponds or is captured in the central processing area's trenches which then transport it to the ponds via the overland pipes.

*3. why the proposed water withdrawal quantity is reasonable for the proposed use;*

3. The current water withdrawal quantity is reasonable for the onsite activities because the minimum quantity of water is used and the withdrawal has no obvious impact on the regional aquifer. The sedimentology of the local unconfined aquifer is composed of sand and gravel and is in excess of 50 feet thick. The recharge rate of the aquifer exceeds the 400 gallon per minute combined withdrawal rate of the wells (200 gpm for Make Up Well #1 and 200 gpm for Make Up Well #2) and these wells experience no drawdown while in use.

*4. why the proposed water conservation measures are environmentally sound and economically feasible;*

4. The current water conservation measures are environmentally sound and economically feasible because the system recycles approximately 98% of the process water and minimal energy is expended to produce the needed water. Energy is only expended to pump the water from the holding pond or from the make up well. Gravity is used to collect the return water in trenches around the central processing area and to send the water back to the holding ponds. The water used to process sand and gravel has no obvious impact on the regional aquifer. The current water withdrawal is the most economically feasible source of water for the site.

*5. whether the proposed water supply is adequate;*

5. The current water withdrawal produces the required volume of water needed to process sand and gravel for the site.

*6. whether the proposed project is just and equitable to other municipalities and their inhabitants in regards to present and future needs for sources of potable water;*

6. The current project is just and equitable to other municipalities and their inhabitants in regards to present and future needs for the sources of potable water. The current water withdrawal has no obvious impact on the regional aquifer so it is just and equitable to other municipalities and their inhabitants in regards to present and future needs for sources of potable water.

*7. whether the proposed withdrawal will result in no significant individual or cumulative adverse environmental impacts on the quantity or quality of the water source and water dependent natural resources;*

7. The current water withdrawal has no obvious impact on the regional aquifer and will not result in any significant individual or cumulative adverse environmental impacts on the quantity or quality of the water source and water dependent natural resources.

*8. whether the proposed withdrawal will be consistent with all applicable municipal, state and federal laws as well as regional interstate and international agreements.*

8 The proposed withdrawal will be consistent with all applicable municipal, state and federal laws as well as regional interstate and international agreements.

## **5.0 WATER CONSERVATION**

---

The facility actively conserves water through stormwater retention and production water recirculation. All water remains onsite and is part of a closed system. The sprayers in the production area use the minimum amount of water needed to process the sand and gravel.

### **5.1 Metering**

RMS Gravel does not currently have a schedule to install water meters at the facility. Due to year-round outdoor exposure, and conditions related to onsite operations water meters were not feasible. Water usage is monitored based on the duration of pumping and the water levels in settling pond #3. If additional water is needed for production the make up well in the center of the site is used as needed. This unconfined well experiences no drawdown during use.

### **5.2 Water Conservation Equipment**

All water used onsite by the facility is for the production of sand and gravel. During the production of sand and gravel aggregate all water not lost during evaporation is returned to the settling ponds where total suspended solids (TSS) are removed prior to the water being used in future production. No chemicals are used during the recycling of the water.

The facility maintains three (3) water storage ponds onsite. All ponds actively retain stormwater for the use in production of sand and gravel aggregate.

### **5.3 Leak Prevention**

Visual inspections of aboveground piping are completed on a regular basis. Due to the facility's dependence on water for production, all leaks are fixed on an immediate basis. Please see Attachment D for the facility's completed water conservation form.

## **6.0 OTHER APPROVALS OR REQUIREMENTS**

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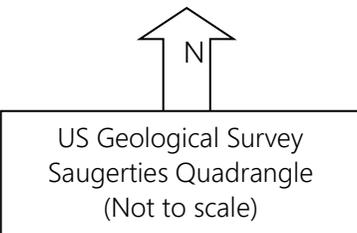
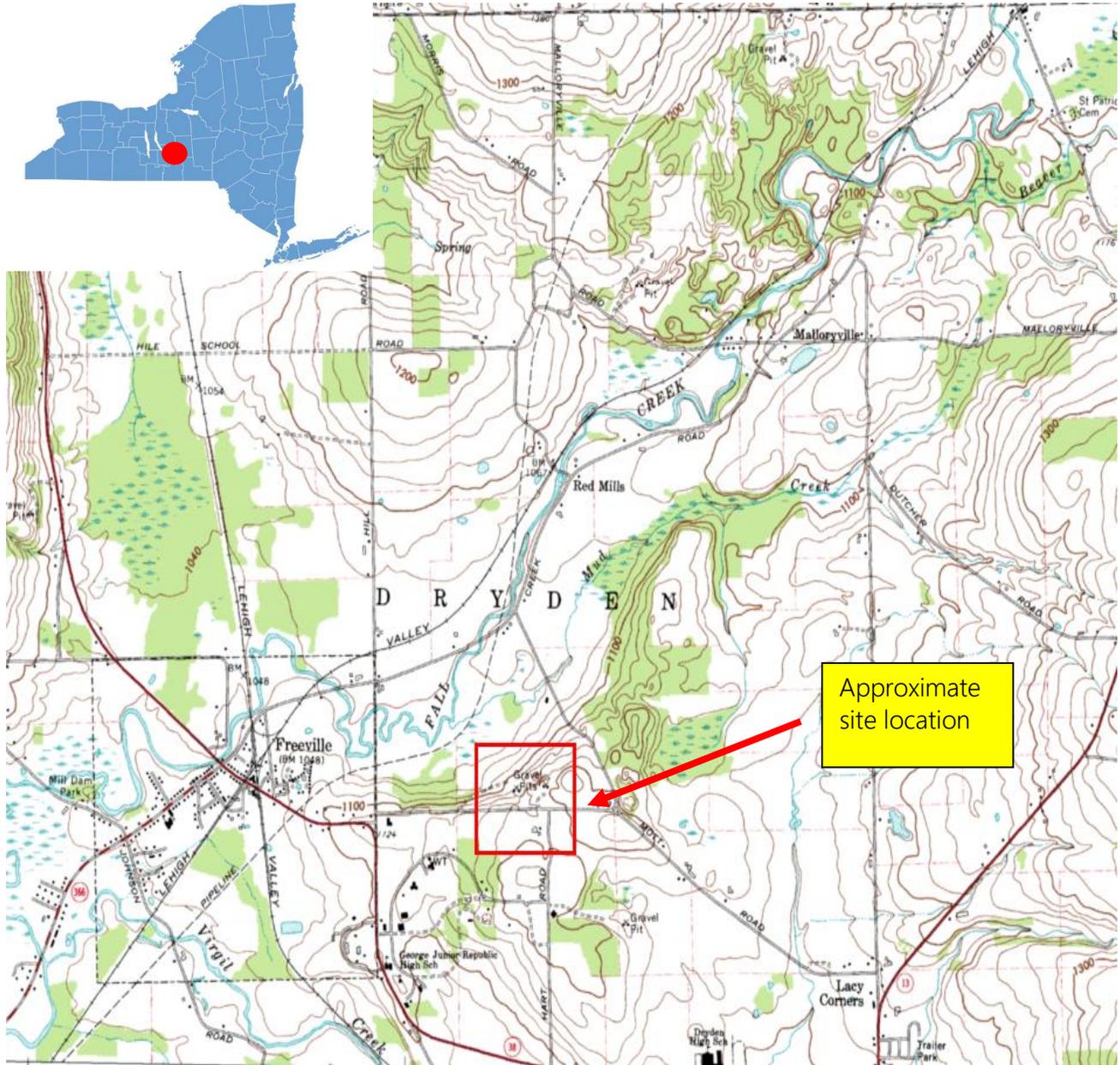
Water Analyses Results and Project Plans - The facility does not have any proposed modifications to the site, its water withdrawals, or the existing system. Therefore this section is not applicable

New York State Canal Withdrawals - The facility does not withdrawal water from the New York State Canal; therefore this section is not applicable.

Great Lakes- St. Lawrence River Basin Compact Requirements - The facility does not divert water from the GL-SLR basin; therefore this section is not applicable.

# FIGURES

**FIGURE 1  
SITE LOCATION**

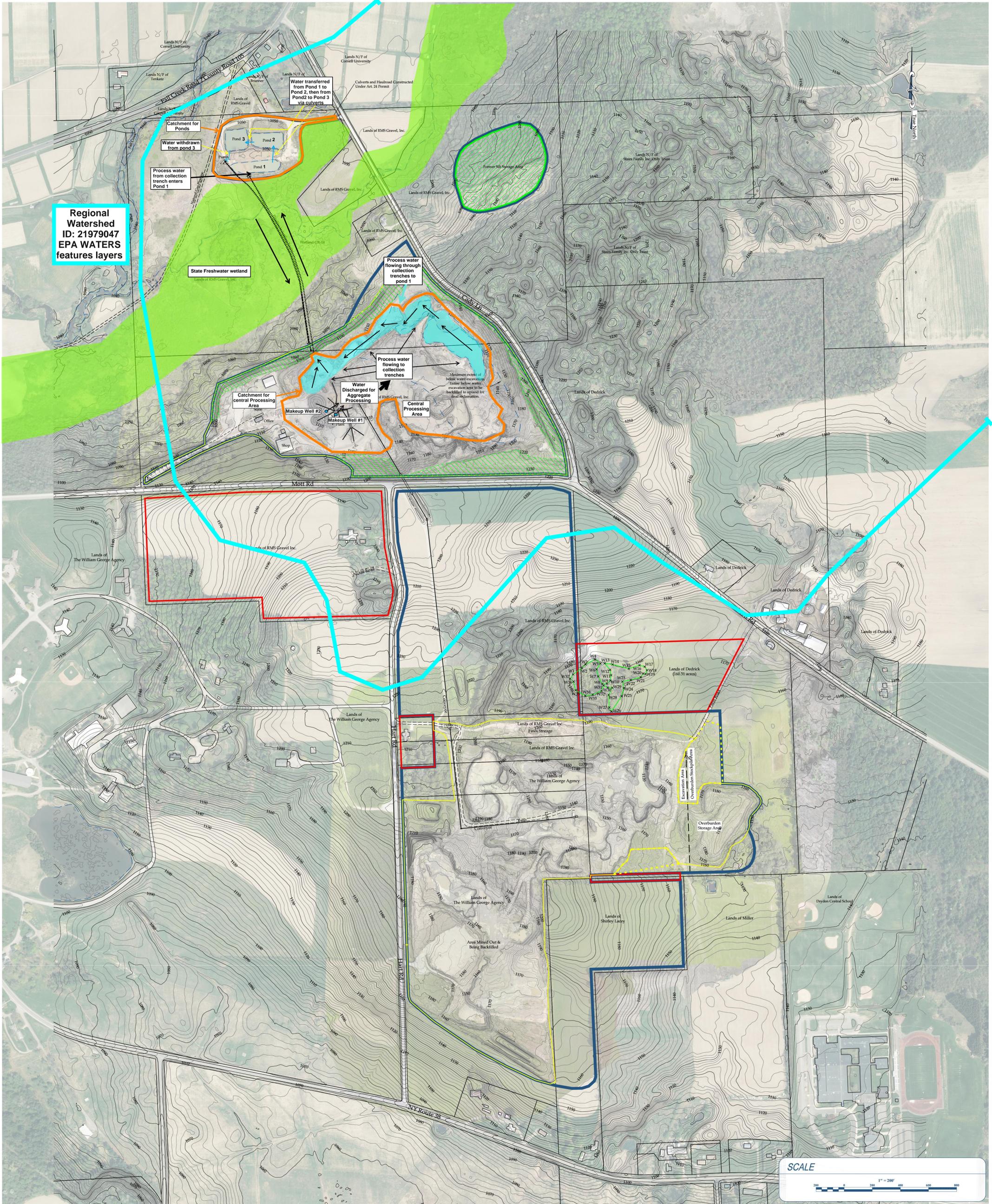


**FIGURE 1 – SITE LOCATION**  
RMS Gravel, Inc., New York  
HRP# STR1501.WM

**SITE MAP**



FIGURE 2  
SITE MAP



Regional Watershed ID: 21979047 EPA WATERS features layers



**MINING PLAN MAP**  
 Bartlett-South-Dedrick Mine  
 RMS Gravel, Inc.  
 Town Dryden, Tompkins County, NY

Dean Herrick Consulting Geologists  
 dh@herrickny.com  
 (518) 225-1874

strategic\_mining\_solutions  
 strategic\_mining\_solutions LLC  
 209 Broadway, 4th Floor  
 New York, NY 10038  
 212.722.3754

Details:  
 • Date: March 8, 2018  
 • Datum: Mean Sea Level  
 • Scale: 1 inch = 200 feet  
 • 7.5' USGS Quad: Groton  
 • Drafted by: Milliman

**REVISIONS**

Date	Description	By
3/20/19	Update for NOIA	BTM

**LEGEND**

PROPERTY LINE	—
CONTOUR LINE	—— 1115' ——
ACCESS ROAD	---
WETLAND	—— (green) ——

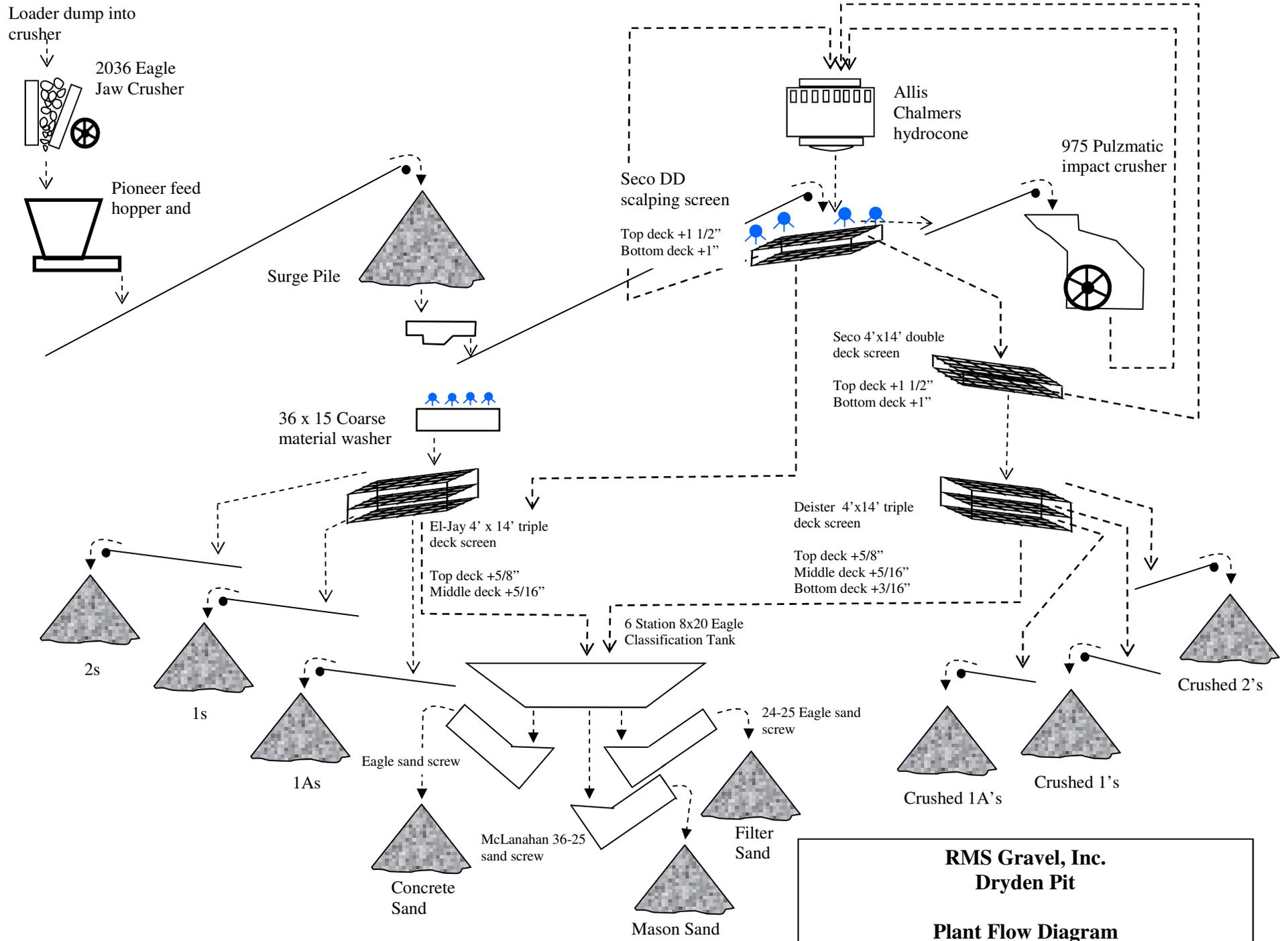
**NOTES**

1. Base map prepared from:
  - Mining Plan Map by Harrington Associates, August 2013;
  - 2008 Tompkins County LIDAR and
  - 2015 Orthophotos from NYS GIS Clearinghouse.
2. Datum: Mean Sea Level
3. Contour Interval: 2'

**ACREAGE SUMMARY**

	Area Affected by Mining (136.2 acres)
	Additional Area To Be Affected by Mining (4.0 acres)
	Area Proposed To Be Added To The Life of Mine (66.4 acres)
	Current Life of Mine Area (214.2 acres)
	Current and Proposed Life of Mine Area (280.6 acres)
	Area Reclaimed (7.1 acres)
	Area Revegetated (9.5 acres)

**FIGURE 3**  
**SITE FLOW DIAGRAM**



**RMS Gravel, Inc.**  
**Dryden Pit**  
**Plant Flow Diagram**

**FIGURE 4**  
**SITE PHOTOS**



**PUMP (2500 GPM) FROM SETTLING POND #3**



**SETTLING POND #3 WITH INTAKE PIPE**



**RMS GRAVEL INC. CENTRAL PROCESSING AREA**



**MAKE UP WELL IN CENTRAL PROCESSING AREA**



DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**WATER CONSERVATION PROGRAM FORM**

**NON-POTABLE WATER WITHDRAWALS**

TO BE COMPLETED AND SUBMITTED AS PART OF A  
 NYSDEC WATER WITHDRAWAL PERMIT APPLICATION  
 \*SEE PAGE 6 FOR FURTHER INTRODUCTION AND INSTRUCTION REGARDING THIS FORM

If your water facility already has its own written water conservation program, you may submit it as a supplement to this WCPF. If your system is new, indicate the water conservation measures that will be taken when the system is completed (e.g. All sources of withdrawal will be 100% metered).

**I. GENERAL SYSTEM INFORMATION**

<b>Facility Name:</b> RMS Gravel, Inc.	DEC No. For Dept Use
<b>Street Address:</b> 290 MOTT ROAD	WWA No. For Dept Use
<b>Post Office Box:</b> <b>County:</b> TOMPKINS	<b>State:</b> NY <b>ZIP:</b> 13053
<b>Contact Name:</b> BRIAN MILLIMAN	
<b>Street Address:</b> 1149 County Highway 27 Richfield Springs	
<b>Post Office Box:</b> <b>County:</b> OTSEGO	<b>State:</b> NY <b>ZIP:</b> 13439
<b>Applicant's Telephone:</b> 607-844-8169	<b>Contact's Telephone:</b> 315-725-6259

**II. SOURCES OF WATER WITHDRAWAL**

[State capacity and withdrawal in gallons per minute (gpm), gallons per day (gpd), or million gallons per day (mgd).]

**Source Type:** S = Surface supply, G = Groundwater supply, P = Purchased supply

**Source Status:** R = Regular use, S = Standby use, E = Emergency use, I = Inactive, D = Decommissioned

Source Name	Source Type	Source Status	Tested Capacity	Actual Current Withdrawal	Start-up Year
SETTLING POND #3	S	R	2,500 gpm	2,500 gpm	2001
MAKE UP WELL #1	G	S	200 gpm	200 gpm	2001
MAKE UP WELL #2	G	S	500 gpm	200 gpm	2019

### III. WATER SOURCES AND METERING

For unmetered systems, please provide your best estimates for water production and/or consumption.

Are all sources of supply (including major interconnections) equipped with master meters? No
How often are they read? N/A
How often are they calibrated? N/A
Are there secondary meters located within the facility or system? No      If yes, how many?
Describe secondary metering system if applicable:

Water Production for Calendar Year		
Total metered water production:	0	gallons per year
Average day production (total/days of use):	1,457,000	gallons per day
Maximum day production (largest single day):	1,653,000	gallons per day

<p>What are your future goals and schedule for water metering?</p> <p>RMS Gravel does not currently have a schedule to install water meters at the facility. Due to year round outdoor exposure, and conditions related to onsite operations, water meters were not feasible. Water usage is monitored based on the duration of pumping and the water levels in settling pond #3. If additional water is needed for productions, the makeup wells in the central processing area are used as needed. These wells are recharged from groundwater. No drawdown is observed when the wells are in use.</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p style="text-align: center;"><b>Best Management Practices:</b></p> <p style="text-align: center;"><i>* 100% metering of all sources of water withdrawal.</i></p> <p style="text-align: center;"><i>* Source and secondary meters must be tested and calibrated annually.</i></p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## IV. WATER AUDITING

The process of conducting an audit of a water system will enable the collection of data on how much and where water enters, leaves and is used within a facility or system. Another goal of a water audit is to estimate unaccounted-for water use, which includes: Losses through leaks, improperly-functioning or inoperative system controls and unmetered sources of water. The water audit provides a system with a baseline against which water-conservation measures can be evaluated.

Do you conduct a water audit at least once each year? No      If yes, please submit a copy of your latest audit in addition to completing the following section.

### \*\* Water Audit for Calendar Year

Total metered water production (from previous section)		Total	0	
Sources of Water Use	Metered or Estimated?			% of Total
Process Water		subtract		
Cooling Water		subtract		
Wash Water		subtract		
Sanitary		subtract		
Incorporation into Product		subtract		
Irrigation		subtract		
Other		subtract		
Other		subtract		
<b>TOTAL UNACCOUNTED-FOR WATER</b>		Sub-total		
Unaccounted-for water breakdown	Meter under-registration	subtract		
	Unrepaired leakage	subtract		
	Other:	subtract		
** Water measurement and accounting techniques are available in NYSDEC's Water Conservation Manual, <a href="http://www.dec.ny.gov/lands/39346.html">http://www.dec.ny.gov/lands/39346.html</a>			<b>0</b>	

What are your future goals for water system auditing?  
 No modification to the existing site is being completed.

### Best Management Practices:

*\* At least once each year, a system water audit must be conducted using metered water production and consumption data to determine unaccounted-for water.*

*\* Keep accurate estimates of unmetered water use.*

*\* Quantify all authorized water uses by consumption categories.*

## V. LEAK DETECTION AND REPAIR

Do you regularly survey your facility for leakage? No						
Are leaks repaired in a timely manner? Yes						
If applicable, do you regularly survey underground piping for water leakage? No						
Total length of underground piping	Percent of piping surveyed each year	Length of pipe surveyed each year	Listening equipment used	Year of last survey	Number of leaks found	Number of leaks repaired
0	0	0	0	2013	0	0

What are your future goals for water system leak detection and repair?  
 The facility will continue to visually inspect all above ground piping at the facility. There is 2600 feet of above ground piping from the settling ponds to the production area

**Best Management Practices:**

- \* Check any underground water distribution systems for leaks each year.*
- \* Fix every detectable leak as soon as possible.*
- \* Have an on-going system rehabilitation program.*

## VI. WATER REUSE, RECYCLING AND DROUGHT PLANNING

Does your facility reuse or recycle primary use water? **Yes** If yes, describe process:  
The primary water usage at the facility is production water. All water remains onsite and is part of a closed system. Water is pumped uphill from the settling ponds. it is used to process sand and gravel aggregate. The post production water is collected and sent downhill via overland pipes into the settling ponds for reuse. Approximate 98% of all process water is recycled, with the only water loss coming from evaporation or water trapped in processed aggregate.

Does your facility use reclaimed rainwater, storm water runoff or wastewater? **Yes** If yes, describe process:  
All ponds capture storm water that is used as production water and dust suppression.

Describe any equipment or processes that promote the efficient use of water by your facility:  
Post production water is sent to settling pond #1 via aboveground pipes under the force of gravity. This water flows from settling pond #1 through settling pond #2 then back to settling pond #3 where it is used for the production water. All water stays onsite as part of a closed system.

Does your system include storage tanks or ponds to meet short term water demands?  
The facility has a total of four (4) ponds including the quarry.

Describe any actions that can be taken to reduce water use during times of drought:  
All water remains onsite in a closed system. Appropriate sprayers in the production area use the minimum amount of water needed to process sand and gravel.

What are your future goals for recycling or reducing water usage?  
The facility will continue to recirculate their production water and capture rainwater in the facilities four (4) ponds.

### **Best Management Practices:**

*\* Reuse or recycle water whenever possible.*

*\* Employ efficient irrigation techniques*

*\* Develop a plan to reduce water use during times of drought.*

## VI. SIGNATURE PAGE AND DISCUSSION

Facility Name: RMS Gravel, Inc.

WWA No.  
For Dept Use

Signature:



Signatory: Brian Milliman

Title: Consultant, Strategic Mining Solutions

Date: 4-30-2021

Revised 10-29-2021

### **DISCUSSION:**

Effective February 15, 2011, New York State Environmental Conservation Law ([§ECL 15-1501](#)) has required that all applications for a NYSDEC [Water Withdrawal Permit](#) include a water conservation program. This Water Conservation Program Form (WCPF) is a required submittal of all such applications.

The WCPF has been set up to cover the following basic elements of a water conservation program: Source Water Inventory, Water Usage and Metering, Water Auditing, Leak Detection/Repair, and Water Use Reduction. The Best Management Practices listed at the bottom of each page represent DEC water conservation policy objectives and should be incorporated into your program development. Additional water conservation measures that are specific to your category of water usage should also be incorporated into your individual program.

Water withdrawal permit applicants can consult the NYSDEC publication entitled "A Survey of Methods for Implementing and Documenting Water Conservation in New York".

The [American Water Works Association \(AWWA\)](#) is also an excellent source of information regarding water conservation practices and procedures. Information ranging from technical manuals to online resources and tools can be found at <http://www.awwa.org>.

Clear Entire Form

## Water Withdrawal Reporting Form

Due by **March 31<sup>st</sup>** of each year

Prior to filling out this form, please read the instructions on the last page

### Section 1 of 6 – Basic Information

Facility Name **RMS Gravel, Inc.** Facility Street Address **290 Mott Road** Reporting Year **2021**

City **Dryden** Zip **13053** Town **Dryden** County **Tompkins**

Contact Name **Brian Milliman** Email **brian@miningstrategy.com** Telephone **315-725-6259**

Source Name	Source Type	L	Well Depth	Max Rate	Units	GPM
Settling pond #3		L		2500		
Make Up Well#1		L	50 ft	200		
Make Up Well #2		L	50 ft	200		

**1.457** **MGD** **1.653** **MGD** **1.653** **MGD**

Average Day Withdrawal Units Maximum Day Withdrawal Units NYSDEC Permitted Withdrawal Units

Submitted By: **Brian Milliman** Title **Consultant, Strategic Mining Solutions** Date **1/27/2022**

**Water Withdrawal Category (Check One)**

Agricultural

Bottled / Bulk Water

Commercial

Environmental

Industrial

Institutional

Mine Dewatering

Oil / Gas Production

**Power Production:**

Fossil Fuel

Nuclear

Other Pwr

Public Water Supply

**Recreational:**

Golf Course

Snow Making

Other Rec

Other Category

## Water Withdrawal Reporting Form

### Section 2 of 6 – Water Use

Calculation Method

E

If multiple methods are used, choose the one that measures the greatest percentage of water in your system.

**E** = Estimated

**M** = Metered readings

**W** = Flow through a weir

**P** = Flow through a pipe or pump run times

**C** = Pump curve calculation

*Units: Must be in gallons per month	January	February	March	April	May	June
Withdrawn	0	0	0	37,882,000	37,882,000	37,882,000
Transferred / Imported / Purchased	0	0	0	0	0	0
Consumed	0	0	0	832,000	832,000	832,000
Returned	0	0	0	37,050,000	37,050,000	37,050,000
Diversions In / Out (If Applicable)	0	0	0	0	0	0

For transferred water or diversions out use a negative (-) sign

*Units: Must be in gallons per month	July	August	September	October	November	December
Withdrawn	39,339,000	37,882,000	37,882,000	37,882,000	0	0
Transferred / Imported / Purchased	0	0	0	0	0	0
Consumed	864,000	832,000	832,000	832,000	0	0
Returned	38,475,000	37,050,000	37,050,000	37,050,000	0	0
Diversions In / Out (If Applicable)	0	0	0	0	0	0

Describe location of returned water:

Water is returned to settling pond 1, transferred to settling pond 2 then transferred to settling pond 3 for reuse.

**Water Withdrawal Reporting Form**  
**Section 3 of 6 – Interbasin Diversions & General Maps**

Interbasin Diversions

Fill out this section only if water is being transferred between major drainage basins. To determine basin name, go to the DEC Major Drainage Basins map (<http://www.dec.ny.gov/lands/56800.html>). Then, enter the basin names below. Describe the locations of originating and receiving sites in the site description boxes (e.g. Town water intake on Route 12 at northern end of Pleasant Lake to Stony Reservoir near Bear Road).

Originating Major Drainage Basin

Receiving Major Drainage Basin

Basin Name

Basin Name

Originating Site Description

Receiving Site Description

General Map

**\* Note** – A map is required only for Interbasin Diversions (6 NYCRR Part 601.18(e)(2)) and Agricultural Water Withdrawals (6 NYCRR Part 601.17(b)(2))

Please submit a map showing the location of all withdrawals and any points of return flow.

A paper copy of a USGS map or other high-quality map or an electronically generated map can be faxed, mailed, or emailed. Please ensure that the map scale is sufficient to be able to see specific locations. Designate all water withdrawal locations on the map. Add markers to locate any related dams, wetlands, weirs, or diversion structures. Label the name of each point.

Submit your map to DEC in one of the following ways:

- Print and mail to the address in Section 6 of this Form or fax to (518) 402-8290. Include cover letter identifying facility owner.
- Print, scan and email to [awqrsdec@dec.ny.gov](mailto:awqrsdec@dec.ny.gov)
- Copy electronically and email to [awqrsdec@dec.ny.gov](mailto:awqrsdec@dec.ny.gov)

## Water Withdrawal Reporting Form

### Section 4A of 6 – Public Water Supplies

**Public Water Suppliers** must answer **all** questions in this section. If not a Public Water Supply – skip to Section 4B

1. Are all sources of supply including major interconnections equipped with master meters?      Yes      No
2. What percentage of your system is metered?  %      Average age of meters, years:       Range of age of meters, years:
3. How often were customer meters read this past year?
4. Number of water service connections:       Total population served:
5. How many customer meters were recalibrated and/or replaced in the past year?
6. Miles of pipe in water distribution system:       Length of pipe replaced in the past year:       Units:
7. Miles of pipe on which leak detection was performed using sonic listening equipment:       Type of equipment used:
8. How many system-wide water audits were performed in the past year?
9. Residential charge per 1,000 gallons of water: \$
10. What percentage of the water withdrawn was not billed to customers?  %      Lost to distribution system leakage?  %
11. Was information about household water saving devices and ways to reduce water use distributed to residential customers?  
Yes      No
12. Was water conservation information about promoting recycling and reuse distributed to industrial and commercial customers?  
Yes      No
13. Do you have lawn sprinkling time restrictions (e.g., odd/even days) during periods of peak demand?      Yes      No
14. Do you have a plan that takes progressive steps to further reduce outdoor water use during drought conditions with an ordinance to assure compliance?      Yes      No      If yes, please forward a copy to the address shown in Section 1 of this form.
15. Please review your permit(s) for any specific water conservation conditions and report below on progress made in the past year:



## Water Withdrawal Reporting Form

### Section 5 of 6 – Outside Sales to Other Water Systems or Facilities

Permittees must record any sales occurring outside of their water service area or facility and include the information requested below.

**If this does not apply to your facility, please proceed to the next section.**

Purchaser Name	Facility Type	Type of Sale	Contracted Amount (gallons per day)	Water Sold in Year (gallons per year)	Average Amount (gallons per day)	Maximum Amount (gallons per day)
N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Facility Type:**

**PWS** = Public Water Supply; **IND** = Industrial; **COM** = Commercial; **INS** = Institutional; **O/G** = Oil or Gas; **REC** = Recreational; **BOT** = Bottled or Bulk

**Type of Sale:**

**C** = Continuous; **I** = Intermittent; **E** = Emergency

**Average Amount:**

To calculate Average Amount, divide total water (gallons) used in a year by number of days of purchase. Total is in gallons per day.

**Maximum Amount:**

Maximum Amount is the one day greatest use in the year of record, shown in gallons per day.

## Water Withdrawal Reporting Form

### Section 6 of 6 – Legally Responsible Party Information & Submittal Instructions

#### Legally Responsible Party Information:

Name of Company/Legally Responsible Party for the Facility:

Legally Responsible Party Address:

Printed Name of Representative\*:

Title of Representative\*:

**Certification Statement:** I hereby certify that the information provided on this reporting form is true to the best of my knowledge and belief. I understand that false statements made in this reporting form are made under penalty of perjury and that they are punishable under section 210.45 of the New York State Penal Law.

Representative\* Signature: 

Date:

Revised 1-27-2021

**\*Legally Responsible Party Representative** - The legally responsible party representative is: 1) For a corporation - the president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; or other responsible corporate officer as specified in 6 NYCRR 601.22(a)(1)(i) or (ii); 2) For a partnership or sole proprietorship - general partner or proprietor, respectively; 3) For a municipality, State, Federal or other public agency - the principal executive officer or ranking elected official. For a Federal agency, the principal executive officer includes the chief executive officer of the agency; or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrators of EPA).

**Submittal Instructions:** When all required fields have been filled in, submit the form to NYSDEC in one of the following ways:

**Mail:** New York State Department of Environmental Conservation  
Attn: Water Withdrawal Reporting Program  
4th Floor  
625 Broadway  
Albany, NY 12233-3508

**Email (Scan Form):** [awarsdec@dec.ny.gov](mailto:awarsdec@dec.ny.gov)

**Fax:** (518) 402-8290

## Water Withdrawal Reporting Form

### Instructions & Definitions

Agricultural Purpose	The practice of farming for crops, plants, vines and trees, and the keeping, grazing or feeding of livestock, for sale of livestock or livestock products. Agricultural facilities should complete this form for annual registration.
Public Water Supply	Supply water to the public. Examples include: municipality, hotel, apartment, restaurant, church, campground, etc.
Source Name	Name of well or surface water body (e.g., Well No. 1, Alcove Reservoir, etc.). List all sources including unused or back-up wells.
Source Type	<b>S</b> = Stream or River. <b>L</b> = Pond or Lake. <b>R</b> = Reservoir. <b>BW</b> = Bedrock Well. <b>UW</b> = Unconsolidated Well (e.g., sand and gravel). <b>SP</b> = Spring. <b>P</b> = Purchased.
Well Depth	Total depth in feet below ground surface. Leave blank for surface sources.
Max Rate	Maximum potential withdrawal rate of the water source. Will be equal to or greater than Permitted Rate.
Units (Max Rate)	Gallons per minute (gpm), gallons per day (gpd), or million gallons per day (mgd). Write in or use the drop-down menu.
Average Day Withdrawal	Total amount withdrawn during reporting year divided by total days withdrawn.
Maximum Day Withdrawal	Largest single day withdrawal rate of the source during the reporting year.
NYSDEC Permitted Withdrawal	If permit information is unknown, contact NYSDEC at <a href="mailto:awqrsdec@dec.ny.gov">awqrsdec@dec.ny.gov</a> or (518) 402-8182. Note - If you do not currently have a permit, report the sum of all sources simultaneously pumping at full rate.
Calculation Method	If multiple methods are used, choose the one that measures the greatest percentage of water in your system <b>E</b> = estimated. <b>M</b> = metered readings. <b>W</b> = flow through a weir or flume. <b>P</b> = flow through a pump or pump run time. <b>C</b> = Pump curve calculation.
Withdrawn	Amount of water removed from all sources. This includes groundwater and/or surface water.
Transferred/Imported	Amount of water brought in from or sent to another facility, includes bulk sales. For transferred water use a negative (-) sign.
Consumed	Amount of water not returned (e.g. water incorporated into a product or lost through evaporation). Public water suppliers must use metered sales to customers. Irrigation is considered "consumed water".
Returned	Amount of water discharged to a water treatment system or discharged back to the environment. Irrigation is not returned water.
Diversions In / Out	Amount of water, if any, diverted from/to another major drainage basin. For Diversions Out, use a negative (-) sign.
Location of Returned Water	State the general area where returned water is discharged. Example: "Hudson River near Poughkeepsie", "Groundwater near Auburn".
Major Drainage Basins	Report only "Major Basin" transfers. Use the internet link available on the form and enter Basin name into the box indicated. Describe the location of originating withdrawal and receiving discharge. Be as specific as possible.
Water Audit	A water audit is a thorough examination of the accuracy of water records and system control equipment to determine water system efficiency and to identify, quantify, and verify water and revenue losses. Water audits are beneficial in identifying the amount of unaccounted-for water.



PO Box 1107  
Tully, NY 13159  
315-484-5959



Department of  
Environmental  
Conservation

(3) DEC Well Number

**TM3839**

(1) COUNTY **TOMPKINS**

**WATER WELL COMPLETION REPORT**

(2) TOWN **DRYDEN**

(4) OWNER NAME <b>RMS GRAVEL</b>	
(5) OWNER ADDRESS <b>290 MOTT RD - DRYDEN, NY 13053</b>	
(6) WELL ADDRESS (Provide sketch or map) <input checked="" type="checkbox"/> Same as owner address	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input checked="" type="checkbox"/> MAP <b>42.512960, -76.325360</b>	(8) TAX MAP NO.
(9) DEPTH OF WELL (Ft) <b>60'</b>	(10) DEPTH TO GROUNDWATER (Ft)/DATE MEASURED
(11) FLOWING? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>CASINGS</b>	
(12) DIAMETER (in.) <b>12"</b>	
(13) LENGTH (ft.) <b>30'</b>	
(14) GROUT TYPE/SEALING <b>DRIVE SHOE</b>	(15) INTERVAL (ft) From To
<b>SCREENS</b>	
(16) MAKE & MATERIAL	(17) SLOT SIZE
(18) DIAMETER (in.)	
(19) LENGTH (ft.)	
(20) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)	
<b>YIELD TEST</b>	
(21) DATE <b>9/24/2019</b>	(22) DURATION OF TEST (Hr/min) <b>10 HRS</b>
(23) LIFT METHOD <b>AIR LIFT</b>	(24) STABILIZED DISCHARGE (GPM) <b>500+</b>
(25) STATIC LEVEL PRIOR TO TEST (Feet/inches below top of casing) <b>N/A</b>	(26) MAXIMUM DRAWDOWN (Stabilized) (Feet/inches below top of casing) <b>N/A</b>
(27) RECOVERY TIME (Hr/min) <b>N/A</b>	(28) Was the water produced during the test discharged away from immediate area? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>PUMP INSTALLATION</b>	
(29) PUMP INSTALLED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	(31) CERTIFIED PUMP INSTALLER
(30) DATE	(32) TYPE
(33) MAKE	(34) MODEL
(35) MAXIMUM CAPACITY (GPM)	(36) PUMP INSTALLATION LEVEL (Feet below top of casing)
<b>DRILLER INFORMATION</b>	
(37) METHOD OF DRILLING <b>ROTARY</b>	(38) USE OF WATER <b>MINING</b> (See instructions for choices)
(39) DATE DRILLING STARTED <b>9/20/2019</b>	(40) DATE DRILLING COMPLETED <b>9/24/2019</b>
(41) DATE REPORT FILED	(42) REGISTERED COMPANY NAME: <b>AMBER WELL DRILLING, LLC</b>
(43) DEC REGISTRATION: <b>NYRD 10967</b>	
(44) CERTIFIED DRILLER (Print name) <b>BOB THORNTON</b>	(44) CERTIFIED DRILLER SIGNATURE * 

<b>WELL LOG</b>	
DEPTH TO BEDROCK (Feet below land surface)	<b>N/A</b>
GROUND ELEVATION (Feet above sea level)	<b>1102.36</b>
TOP OF CASING (Feet above (+) or below (-) land surface)	<b>2+</b>
<b>TOP OF WELL</b>	
0-30'	GRAVEL & SAND
30-35'	GRAVEL & CLAY
35-60'	SAND & GRAVEL
BOTTOM OF HOLE	

\* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45

**Full Environmental Assessment Form**  
**Part 1 - Project and Setting**

**Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

**A. Project and Sponsor Information.**

Name of Action or Project:		
Project Location (describe, and attach a general location map):		
Brief Description of Proposed Action (include purpose or need):		
Name of Applicant/Sponsor:		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Project Contact (if not same as sponsor; give name and title/role):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees <input type="checkbox"/> Yes <input type="checkbox"/> No		
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input type="checkbox"/> No		
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources. <ul style="list-style-type: none"> <li data-bbox="121 829 1485 861">i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li data-bbox="121 892 1485 924">ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li data-bbox="121 924 1485 955">iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul>		

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?  Yes  No

- **If Yes**, complete sections C, F and G.
- **If No**, proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?  Yes  No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?  Yes  No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)  Yes  No

If Yes, identify the plan(s):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?  Yes  No

If Yes, identify the plan(s):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.  Yes  No  
If Yes, what is the zoning classification(s) including any applicable overlay district?

\_\_\_\_\_

\_\_\_\_\_

b. Is the use permitted or allowed by a special or conditional use permit?  Yes  No

c. Is a zoning change requested as part of the proposed action?  Yes  No

If Yes,

i. What is the proposed new zoning for the site? \_\_\_\_\_

**C.4. Existing community services.**

a. In what school district is the project site located? \_\_\_\_\_

b. What police or other public protection forces serve the project site?  
\_\_\_\_\_

c. Which fire protection and emergency medical services serve the project site?  
\_\_\_\_\_

d. What parks serve the project site?  
\_\_\_\_\_  
\_\_\_\_\_

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?  
\_\_\_\_\_

b. a. Total acreage of the site of the proposed action? \_\_\_\_\_ acres  
b. Total acreage to be physically disturbed? \_\_\_\_\_ acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? \_\_\_\_\_ acres

c. Is the proposed action an expansion of an existing project or use?  Yes  No  
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % \_\_\_\_\_ Units: \_\_\_\_\_

d. Is the proposed action a subdivision, or does it include a subdivision?  Yes  No  
If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)  
\_\_\_\_\_

ii. Is a cluster/conservation layout proposed?  Yes  No

iii. Number of lots proposed? \_\_\_\_\_

iv. Minimum and maximum proposed lot sizes? Minimum \_\_\_\_\_ Maximum \_\_\_\_\_

e. Will proposed action be constructed in multiple phases?  Yes  No

i. If No, anticipated period of construction: \_\_\_\_\_ months

ii. If Yes:

- Total number of phases anticipated \_\_\_\_\_
- Anticipated commencement date of phase 1 (including demolition) \_\_\_\_\_ month \_\_\_\_\_ year
- Anticipated completion date of final phase \_\_\_\_\_ month \_\_\_\_\_ year

• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_

\_\_\_\_\_

f. Does the project include new residential uses?  Yes  No  
 If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)?  Yes  No  
 If Yes,

i. Total number of structures \_\_\_\_\_

ii. Dimensions (in feet) of largest proposed structure: \_\_\_\_\_ height; \_\_\_\_\_ width; and \_\_\_\_\_ length

iii. Approximate extent of building space to be heated or cooled: \_\_\_\_\_ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  Yes  No  
 If Yes,

i. Purpose of the impoundment: \_\_\_\_\_

ii. If a water impoundment, the principal source of the water:  Ground water  Surface water streams  Other specify: \_\_\_\_\_

iii. If other than water, identify the type of impounded/contained liquids and their source. \_\_\_\_\_

iv. Approximate size of the proposed impoundment. Volume: \_\_\_\_\_ million gallons; surface area: \_\_\_\_\_ acres

v. Dimensions of the proposed dam or impounding structure: \_\_\_\_\_ height; \_\_\_\_\_ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): \_\_\_\_\_

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  Yes  No  
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)  
 If Yes:

i. What is the purpose of the excavation or dredging? \_\_\_\_\_

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): \_\_\_\_\_
- Over what duration of time? \_\_\_\_\_

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. \_\_\_\_\_

iv. Will there be onsite dewatering or processing of excavated materials?  Yes  No  
 If yes, describe. \_\_\_\_\_

v. What is the total area to be dredged or excavated? \_\_\_\_\_ acres

vi. What is the maximum area to be worked at any one time? \_\_\_\_\_ acres

vii. What would be the maximum depth of excavation or dredging? \_\_\_\_\_ feet

viii. Will the excavation require blasting?  Yes  No

ix. Summarize site reclamation goals and plan: \_\_\_\_\_

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?  Yes  No  
 If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): \_\_\_\_\_

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

iii. Will proposed action cause or result in disturbance to bottom sediments?  Yes  No

If Yes, describe: \_\_\_\_\_

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation?  Yes  No

If Yes:

- acres of aquatic vegetation proposed to be removed: \_\_\_\_\_
- expected acreage of aquatic vegetation remaining after project completion: \_\_\_\_\_
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): \_\_\_\_\_
- proposed method of plant removal: \_\_\_\_\_
- if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_

v. Describe any proposed reclamation/mitigation following disturbance: \_\_\_\_\_

c. Will the proposed action use, or create a new demand for water?  Yes  No

If Yes:

i. Total anticipated water usage/demand per day: \_\_\_\_\_ gallons/day

ii. Will the proposed action obtain water from an existing public water supply?  Yes  No

If Yes:

- Name of district or service area: \_\_\_\_\_
- Does the existing public water supply have capacity to serve the proposal?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No
- Do existing lines serve the project site?  Yes  No

iii. Will line extension within an existing district be necessary to supply the project?  Yes  No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_
- Source(s) of supply for the district: \_\_\_\_\_

iv. Is a new water supply district or service area proposed to be formed to serve the project site?  Yes  No

If Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- Proposed source(s) of supply for new district: \_\_\_\_\_

v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_

vi. If water supply will be from wells (public or private), maximum pumping capacity: \_\_\_\_\_ gallons/minute.

d. Will the proposed action generate liquid wastes?  Yes  No

If Yes:

i. Total anticipated liquid waste generation per day: \_\_\_\_\_ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): \_\_\_\_\_

iii. Will the proposed action use any existing public wastewater treatment facilities?  Yes  No

If Yes:

- Name of wastewater treatment plant to be used: \_\_\_\_\_
- Name of district: \_\_\_\_\_
- Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No

- Do existing sewer lines serve the project site?  Yes  No
- Will line extension within an existing district be necessary to serve the project?  Yes  No

 If Yes:
 

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site?  Yes  No  
 If Yes:
 

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- What is the receiving water for the wastewater discharge? \_\_\_\_\_

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  Yes  No  
 If Yes:
 

- How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ Square feet or \_\_\_\_\_ acres (impervious surface)  
 \_\_\_\_\_ Square feet or \_\_\_\_\_ acres (parcel size)
- Describe types of new point sources. \_\_\_\_\_  
 \_\_\_\_\_
- Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?  
 \_\_\_\_\_  
 \_\_\_\_\_  
  - If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_  
 \_\_\_\_\_
  - Will stormwater runoff flow to adjacent properties?  Yes  No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  Yes  No

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f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  Yes  No  
 If Yes, identify:
 

- Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
 \_\_\_\_\_
- Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
 \_\_\_\_\_
- Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
 \_\_\_\_\_

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g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  Yes  No  
 If Yes:
 

- Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No
- In addition to emissions as calculated in the application, the project will generate:
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)
  - \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (HFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No

If Yes:

*i.* Estimate methane generation in tons/year (metric): \_\_\_\_\_

*ii.* Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

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i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

\_\_\_\_\_

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j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No

If Yes:

*i.* When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.

*ii.* For commercial activities only, projected number of semi-trailer truck trips/day: \_\_\_\_\_

*iii.* Parking spaces: Existing \_\_\_\_\_ Proposed \_\_\_\_\_ Net increase/decrease \_\_\_\_\_

*iv.* Does the proposed action include any shared use parking?  Yes  No

*v.* If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*vi.* Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site?  Yes  No

*vii.* Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No

*viii.* Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

---

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No

If Yes:

*i.* Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_

\_\_\_\_\_

*ii.* Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

\_\_\_\_\_

*iii.* Will the proposed action require a new, or an upgrade to, an existing substation?  Yes  No

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l. Hours of operation. Answer all items which apply.

<p><i>i.</i> During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul>	<p><i>ii.</i> During Operations:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?  Yes  No  
 If yes:  
 i. Provide details including sources, time of day and duration:  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No  
 Describe: \_\_\_\_\_  
 \_\_\_\_\_

---

n.. Will the proposed action have outdoor lighting?  Yes  No  
 If yes:  
 i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?  Yes  No  
 Describe: \_\_\_\_\_  
 \_\_\_\_\_

---

o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No  
 If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?  Yes  No  
 If Yes:  
 i. Product(s) to be stored \_\_\_\_\_  
 ii. Volume(s) \_\_\_\_\_ per unit time \_\_\_\_\_ (e.g., month, year)  
 iii. Generally describe proposed storage facilities: \_\_\_\_\_  
 \_\_\_\_\_

---

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?  Yes  No  
 If Yes:  
 i. Describe proposed treatment(s):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will the proposed action use Integrated Pest Management Practices?  Yes  No

---

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?  Yes  No  
 If Yes:  
 i. Describe any solid waste(s) to be generated during construction or operation of the facility:  
 • Construction: \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 • Operation : \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:  
 • Construction: \_\_\_\_\_  
 \_\_\_\_\_  
 • Operation: \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Proposed disposal methods/facilities for solid waste generated on-site:  
 • Construction: \_\_\_\_\_  
 \_\_\_\_\_  
 • Operation: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

s. Does the proposed action include construction or modification of a solid waste management facility?  Yes  No  
 If Yes:  
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_  
 ii. Anticipated rate of disposal/processing:  
 • \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or  
 • \_\_\_\_\_ Tons/hour, if combustion or thermal treatment  
 iii. If landfill, anticipated site life: \_\_\_\_\_ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No  
 If Yes:  
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month  
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No  
 If Yes: provide name and location of facility: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:  
 \_\_\_\_\_  
 \_\_\_\_\_

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.  
 i. Check all uses that occur on, adjoining and near the project site.  
 Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)  
 Forest  Agriculture  Aquatic  Other (specify): \_\_\_\_\_  
 ii. If mix of uses, generally describe:  
 \_\_\_\_\_  
 \_\_\_\_\_

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces			
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____ _____			

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
i. If Yes: explain: \_\_\_\_\_

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d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
If Yes,  
i. Identify Facilities:  
\_\_\_\_\_

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e. Does the project site contain an existing dam?  Yes  No  
If Yes:  
i. Dimensions of the dam and impoundment:  

- Dam height: \_\_\_\_\_ feet
- Dam length: \_\_\_\_\_ feet
- Surface area: \_\_\_\_\_ acres
- Volume impounded: \_\_\_\_\_ gallons OR acre-feet

ii. Dam's existing hazard classification: \_\_\_\_\_  
iii. Provide date and summarize results of last inspection:  
\_\_\_\_\_

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f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  Yes  No  
If Yes:  
i. Has the facility been formally closed?  Yes  No  

- If yes, cite sources/documentation: \_\_\_\_\_

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:  
\_\_\_\_\_

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g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  Yes  No  
If Yes:  
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:  
\_\_\_\_\_

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h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  Yes  No  
If Yes:  
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:  Yes  No  
 Yes – Spills Incidents database                      Provide DEC ID number(s): \_\_\_\_\_  
 Yes – Environmental Site Remediation database                      Provide DEC ID number(s): \_\_\_\_\_  
 Neither database  
ii. If site has been subject of RCRA corrective activities, describe control measures: \_\_\_\_\_  
\_\_\_\_\_

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iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?  Yes  No  
If yes, provide DEC ID number(s): \_\_\_\_\_  
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):  
\_\_\_\_\_

v. Is the project site subject to an institutional control limiting property uses?  Yes  No

- If yes, DEC site ID number: \_\_\_\_\_
- Describe the type of institutional control (e.g., deed restriction or easement): \_\_\_\_\_
- Describe any use limitations: \_\_\_\_\_
- Describe any engineering controls: \_\_\_\_\_
- Will the project affect the institutional or engineering controls in place?  Yes  No
- Explain: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? \_\_\_\_\_%

c. Predominant soil type(s) present on project site: \_\_\_\_\_ %  
 \_\_\_\_\_ %  
 \_\_\_\_\_ %

d. What is the average depth to the water table on the project site? Average: \_\_\_\_\_ feet

e. Drainage status of project site soils:  Well Drained: \_\_\_\_\_ % of site  
 Moderately Well Drained: \_\_\_\_\_ % of site  
 Poorly Drained \_\_\_\_\_ % of site

f. Approximate proportion of proposed action site with slopes:  0-10%: \_\_\_\_\_ % of site  
 10-15%: \_\_\_\_\_ % of site  
 15% or greater: \_\_\_\_\_ % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_  
 \_\_\_\_\_

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No  
 If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Lakes or Ponds: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Wetlands: Name \_\_\_\_\_ Approximate Size \_\_\_\_\_
- Wetland No. (if regulated by DEC) \_\_\_\_\_

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_  
 \_\_\_\_\_

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i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100 year Floodplain?  Yes  No

k. Is the project site in the 500 year Floodplain?  Yes  No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:  
 i. Name of aquifer: \_\_\_\_\_

m. Identify the predominant wildlife species that occupy or use the project site: _____ _____ _____	
n. Does the project site contain a designated significant natural community? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes: <i>i.</i> Describe the habitat/community (composition, function, and basis for designation): _____ _____ <i>ii.</i> Source(s) of description or evaluation: _____ <i>iii.</i> Extent of community/habitat: <ul style="list-style-type: none"> <li>• Currently: _____ acres</li> <li>• Following completion of project as proposed: _____ acres</li> <li>• Gain or loss (indicate + or -): _____ acres</li> </ul>	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> If yes, give a brief description of how the proposed action may affect that use: _____ _____	
<b>E.3. Designated Public Resources On or Near Project Site</b>	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes, provide county plus district name/number: _____	
b. Are agricultural lands consisting of highly productive soils present? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> <i>i.</i> If Yes: acreage(s) on project site? _____ <i>ii.</i> Source(s) of soil rating(s): _____	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes: <i>i.</i> Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature <i>ii.</i> Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____ _____	
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes: <i>i.</i> CEA name: _____ <i>ii.</i> Basis for designation: _____ <i>iii.</i> Designating agency and date: _____	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: _____	
<i>iii.</i> Brief description of attributes on which listing is based: _____	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input type="checkbox"/> Yes <input type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	
If Yes:	
<i>i.</i> Describe possible resource(s): _____	
<i>ii.</i> Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Identify resource: _____	
<i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____	
<i>iii.</i> Distance between project and resource: _____ miles.	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Identify the name of the river and its designation: _____	
<i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	
	<input type="checkbox"/> Yes <input type="checkbox"/> No

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

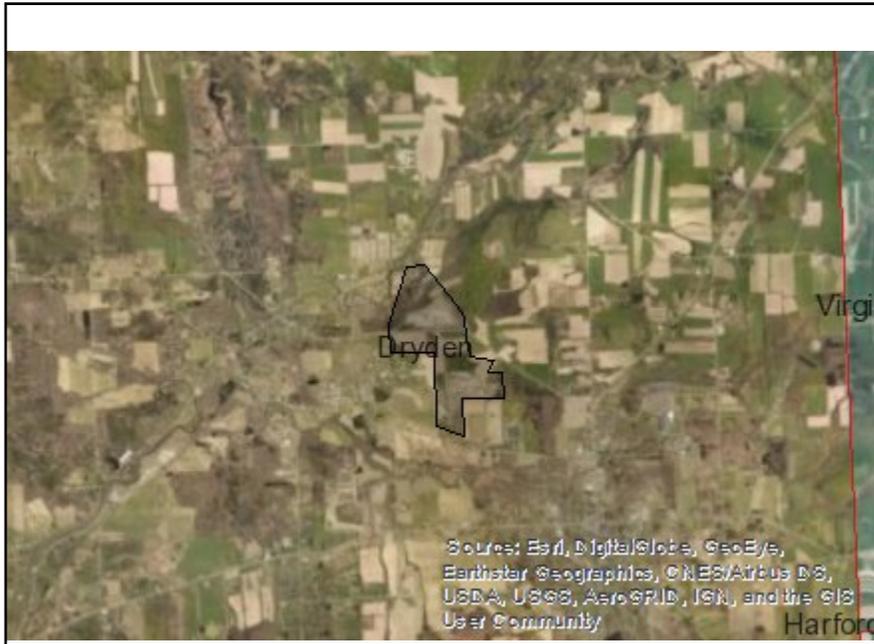
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name \_\_\_\_\_ Date \_\_\_\_\_

Signature \_\_\_\_\_ Title \_\_\_\_\_



**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	898-266
E.2.h.iv [Surface Water Features - Stream Classification]	C(T)
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):240.2
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	GR-14
E.2.h.v [Impaired Water Bodies]	No

E.2.i. [Floodway]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.j. [100 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.k. [500 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Principal Aquifer
E.2.n. [Natural Communities]	Yes
E.2.n.i [Natural Communities - Name]	Rich Hemlock-Hardwood Peat Swamp
E.2.n.i [Natural Communities - Acres]	8.0
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	Yes
E.3.a. [Agricultural District]	TOMP001
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National Register of Historic Places]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No