**ONONDAGA COUNTY INDUSTRIAL DEVELOPMENT AGENCY**
**APPLICATION FOR FINANCIAL ASSISTANCE**

1. Fill in all blanks using "none", "not applicable" or "not available". If you have any questions about the way to respond, please call the Onondaga County Industrial Development Agency (the "Agency" or "OCIDA") at 315-435-3770.

2. In accordance with Section 224-a(8)(d) of Article 8 of the New York Labor Law, the Agency has identified that any "financial assistance" (within the meaning of Section 858 of the General Municipal Law) granted by the Agency to the Applicant consisting of sales and use tax exemption benefits, mortgage recording tax exemption benefits and real property tax exemption benefits, constitutes "public funds" within the meaning of Section 224-a(2)(b) of Article 8 of the New York Labor Law and such funds are not excluded under Section 224-a(3) of Article 8 of the New York Labor Law. The Agency hereby notifies the Applicant of the Applicant's obligations under Section 224-a (8)(a) of Article 8 of the New York Labor Law.

3. If the OCIDA Board approves benefits, it is the company's responsibility to obtain and submit all necessary forms and documents.

4. All projects approved for benefits by the OCIDA Board will close with the Agency within 6-months of the OCIDA Board approval date. If this schedule cannot be met, the Applicant will need to submit a closing schedule modification written request to the Executive Director that will be presented to OCIDA Board for consideration.

5. The Agency will not give final approval for this Application until the Agency receives a completed NYS Full Environmental Assessment Form concerning the project which is the subject of this Application. The form is available at http://www.dec.ny.gov/permits/6191.html.

6. Public Officers Law stipulates all records in the possession of the Agency (with certain limited exceptions) are open to public inspection and reproduction. Should the Applicant believe there are project elements which are trade secrets if publicly disclosed or otherwise widely disseminated, would cause substantial injury to the Applicant's competitive position, the Applicant must identify such elements in writing and request that such elements be kept confidential. In accordance with Article 6 of the Public Officer's Law, the Agency may also redact personal, private, and/or proprietary information from publicly disseminated documents.

7. The completed Application and associated fees MUST be received 10 business days prior to the upcoming OCIDA Board meeting in order to be placed on the agenda. A signed application may be submitted by mail, fax or electronically in PDF format to Nancy Lowery at nancylowery@ongov.net
   - A check payable to the Agency in the amount of $1,000
   - A check payable to Barclay Damon LLP in the amount of $2,500

This Application was adopted by the OCIDA Board on June 8, 2023.

**Return completed application to:**
Onondaga County Industrial Development Agency
Attn: Nancy Lowery
335 Montgomery Street, Floor 2M Syracuse, NY 13202
Phone: 315-435-3770 | Fax: 315-435-3669
nancylowery@ongov.net

## Section I: Applicant Information

Submittal Date: July 14, 2023

**A) Applicant/Project Operator information (company receiving benefits):**

1. Applicant/Project Operator: Micron New York Semiconductor Manufacturing LLC

   Applicant/Project Operator Address: 8000 S. Federal Way, Boise, ID 83716

   Phone: 208-368-4000 Fax: 208-368-4617

   Website: www.micron.com Email: aeberlin@micron.com

   Federal ID#: 92-0692507 NAICS: 334413

   State of Incorporation: Delaware

   See link for your NYS incorporation information. https://apps.dos.ny.gov/publicInquiry

2. Owner (if different from Applicant/Project Operator): N/A

   Owner Address: _____

   Federal ID#: _____

   State of Incorporation: _____

   List of stockholders, members, or partners of Owner: _____

**B) Applicant Business Organization (check appropriate category):**

- ☐ Corporation
- ☐ Partnership
- ☐ Public Corporation
- ☐ Joint Venture
- ☐ Sole Proprietorship
- ☑ Limited Liability Company
- ☐ Other, explain

List all stockholders, members, or partners with % of ownership greater than 5%:

| Name | % of ownership |
|---|---|
| Micron Technology, Inc. | 100% |
| | |
| | |
| | |

C) **Applicant Business Description:** See attached: US Sales Projections Chart

Estimated % of sales within Onondaga County: _____
Estimated % of sales outside Onondaga County but within New York State: _____
Estimated % of sales outside New York State but within the U.S.: _____
Estimated % of sales outside the U.S.: (*Percentage to equal 100%) _____

**Applicant /Owner History**:

1. Is the Owner and/or Applicant or any manager or owner of the Owner and/or Applicant now a plaintiff or defendant in any civil or criminal litigation? ☑ No ☐ Yes, explain

2. Has any owner of manager of the Owner and/or Applicant listed above ever been convicted of a criminal offense (other than a minor traffic violation)? ☑ No ☐ Yes, explain

3. Has any person listed in Section I ever been in receivership or declared bankruptcy? ☑ No ☐ Yes, explain

D) **Has the Applicant/Owner** received assistance from Onondaga County Industrial Development Agency (OCIDA, Syracuse Industrial Development Agency (SIDA), New York State or the Onondaga Civic Development Corporation (OCDC) in the past?

☑ No ☐ Yes, explain (Provide year, project name, benefit description, amounts, address)

E) **Individual Completing Application:**

Name: Scott Gatzemeier Title: CVP, Front End US Expansion

Address: 8000 S. Federal Way, PO Box 6, Boise, ID 83707 Phone: 208-363-4026

Cell Phone: None E-mail: sngatzemeier@micron.com

Company Contact (if different from individual completing application):

Name: Anna Eberlin Title: Senior Assistant General Counsel

Address: 8000 S. Federal Way, PO Box 6, Boise, ID 83707 Phone (208) 363-2424

Cell Phone: None Email aeberlin@micron.com

F) **Company Contact (if different from individual completing application):**

Name: Anna Eberlin Title: Senior Assistant General Counsel

Address: 8000 S. Federal Way, PO Box 6, Boise, ID 83707 Phone: (208) 363-2424

Cell Phone: None Email: aeberlin@micron.com

## G) Company Counsel:

Name of Attorney: John P. Sidd

Firm Name: Hancock Estabrook LLP

Address: 1800 AXA Tower I, 100 Madison Street, Syracuse, NY 13202

Phone: 315-565-4500

Cell Phone: None

Email: jsidd@hancocklaw.com

## Section II: Project and Site Information

A) Project Location is where the investment will take place. If Applicant is moving, the new location should be entered here and the current location should be in Section I.

Address: White Pine Commerce Park

Legal Address (if different): 5171 NYS Route 31

City: N/A Town: Clay Village: N/A

Zip Code: 13041 School District: North Syracuse Central School District

Tax Map Parcel ID(s): See Attached Micron Fabs 1 and 2 Phase Town of Clay Tax Map Parcel ID List & Preliminary Site Plan

Full Market Value: $30M Square Footage of Existing Building(s): All existing buildings to be removed by OCIDA

B) Project Activity (Check all that apply):

- [x] New construction
- [ ] Expansion to current facilities
- [ ] Renovation of existing facility
- [ ] Acquisition of existing facility
- [ ] Brownfield/Remediated Brownfield
- [ ] Demolition and construction
- [x] Purchase of machinery/equipment

C) Select Project Type or Project End Use at site (you may check more than one):

- [x] Manufacturing
- [ ] Retail (see Section V)
- [ ] Housing Project (see Section VII)
- [ ] Equipment Purchase
- [ ] Civic Facility (not for profit)
- [x] Industrial
- [ ] Other, explain
- [ ] Mixed Use
- [ ] Facility of Aging
- [ ] Distribution/Wholesale
- [ ] Commercial
- [ ] Renewable Energy Project (see Section VI)

D) Project Narrative: Please check one of the two boxes below and attach statement.

- [x] A statement that the Project described in this application would not be undertaken but for the financial assistance provided by the Agency. Please see attached Project Narrative

- [ ] If the Project is going to advance regardless of any financial assistance from the Agency, please provide a statement indicating why the project should be considered by the Agency for any financial assistance.

E) Description of Project: Please attach a detailed narrative of the proposed Project. Please attached copies of site plans, sketches or maps. This narrative should include, but is not limited to:

☑ (i) a description of your Company's background, customers, goods and services and the principal products to be produced and/or the principal activities that will occur on the Project site;

☑ (ii) the size of the Project in square feet and a breakdown of square footage per each intended use;

☑ (iii) the size of the lot upon which the Project sits or is to be constructed;

☑ (iv) the current use of the site and the intended use of the site upon completion of the Project;

☑ (v) describe your method for site control (Own, lease, other).

F) Will the completion of the Project result in the removal of an industrial or manufacturing plant of the company from one area of the state to another area of the state OR in the abandonment of one or more plants or facilities of the company located within the state?

☑ No ☐ Yes

G) Please describe any compelling circumstances the Agency should be aware of while reviewing this application. Please see attached Project Narrative

H) Local Approvals (Site Plan and Environmental Review)

Have site plans been submitted to the appropriate town or local planning department?

☑ No. When will the plans be submitted? 6/24/2024 ☐ Yes, what is the status?_____

Has the project received site plan approval from the town or local planning board?

☑ No, anticipated approval date. 9/24/2024 ☐ Yes, date _____

If yes, provide the Agency with a copy of the Planning Board's approval resolution along with the related SEQR determination. (**NOTE: SEQR determination is required for final approval and sales tax agency appointment.)**

1. Environmental Review Information
   a. Please attach the appropriate Environmental Impact Forms to your application. Here is a link to the SEQR forms: http://www.dec.ny.gov/permits/6191.html
   b. Has Lead Agency been established? ☑ No ☐ Yes, name of Lead Agency

      _____

   c. Have any environmental issues been identified on the property?

      ☐ No ☑ Yes, explain Please see attached Environmental Review Information Explanation

## Section III: FINANCIAL AND EMPLOYMENT INFORMATION

A) Project Costs and Finances

| Description of Costs | Total Budget Amount |
|---|---|
| Land Acquisition | TBD |
| Site Work/Demo | TBD |
| Building Construction & Renovation | TBD |
| Furniture & Fixtures | TBD |
| Equipment | TBD |
| Engineering/Architectural Design | TBD |
| Legal | TBD |
| Management/Developer Fees | |
| Additional Soft Cost | |
| Other-explain | |
| **Total Project Cost** | TBD |

*Please have documentation available upon request. Do not include OCIDA fees, OCIDA application fees or OCIDA legal fees as part of the Total Project Cost.*

B) TOTAL Project Costs $ TBD

Sources of Funds for Project Costs:

1. Bank Financing $ 0
2. Equity $ TBD
3. Tax Exempt Bond Issuance (if applicable) $ 0
4. Taxable Bond Issuance (if applicable) $ 0
5. Public Sources (Include sum total of all state and federal grants and tax credits) $ TBD

-Identify each state and federal grant/credit:

United Stated CHIPS and Science Act $ TBD

Investment Tax Credit $ TBD

_____ $ _____

6. Total Sources of Funds for Project Costs $ TBD

C) Employment and Payroll Information

Full Time Equivalent (FTE) is defined as one employee working no less than 35 hours per week or two or more employees together working a total of 35 hours per week.

1. Are there people currently employed at the project site?
   ☑ No ☐ Yes, provide number of FTE jobs at the project site _____
   If you are relocating, are all employees moving to new site? ☐ No, explain ☐ Yes
2. Complete the following:

| | |
|---|---|
| Estimate the number of FTE jobs to be retained as a result of this Project: | 0 |
| Estimate the number of construction jobs to be created by this Project: | 4,500 |
| Estimate the average length of construction jobs to be created (months): | 24 |
| Current annual payroll including the benefit cost: | 0 |
| Average salary amount that is an employee benefit (%): | 33% |
| Average annual growth salary/wage rate (%) | 3% |
| Provide an estimate of the number of residents in the Economic Development Region (Onondaga, Madison, Cayuga, Oneida, Oswego, and Cortland Counties) to fill new FTE jobs: | 1,301 |

D) New Employment Benefits

Complete the following chart indicating the number of FTE jobs currently employed by the Applicant, FTE jobs currently employed at the Project and the number of FTE jobs that will be created at the Project site at the end of the first, second, and third, years after the Project is completed. Jobs should be listed by title of category (see below), including FTE independent contractors or employees of independent contractors that work at the Project location. Do not include construction workers.

Please use this chart to illustrate the current employment:

| Job Title/Category | Current Annual Pay | Current Employment (FTE) |
|---|---|---|
| N/A | N/A | N/A |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Please use this chart to illustrate the projected employment growth:

| Job Title/Category | Current Annual Pay | FTE Jobs Created Year 1 | FTE Jobs Created Year 2 | FTE Jobs Created Year 3 |
|---|---|---|---|---|
| Management & Executives | 166,000 | 134 | 21 | 31 |
| Engineers | 94,800 | 588 | 91 | 138 |
| Technicians | 68,600 | 481 | 74 | 114 |
| Manufacturing Support | 154,759 | 134 | 21 | 31 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

E) Financial Assistance sought:

☑ Real Property Tax Abatement (PILOT*): Agency Staff will provide draft and final PILOT schedule:* _____

☐ Mortgage Recording Tax Exemption (.75% of mortgage): N/A

☑ Sales and Use Tax Exemption (4% Local, 4% State): TBD

☐ Tax Exempt Bond Financing (Amount Requested): N/A

☐ Taxable Bond Financing (Amount Requested): N/A

F) Mortgage Recording Tax Exemption Benefit Calculator: Amount of mortgage that would be subject to mortgage recording tax:

Mortgage Amount (include sum total of construction/permanent/ bridge financing): $ N/A

Estimated Mortgage Recording Tax Exemption Benefit (product of mortgage amount as indicated above, multiplied by .0075): $ N/A

G) Sales and Use Tax Benefit Calculator: Gross amount of costs for goods and services that are subject to State and local Sales and Use Tax: $ TBD

Estimated State and local Sales and Use Tax Benefit (product of 8% multiplied by the figure, above): $ TBD

## Section IV: Estimate of Real Property Tax Abatement Benefits

This section of the Application will be: (i) completed by Agency Staff based upon information contained within the Application, and (ii) provided to the Applicant for ultimate inclusion as part of this completed Application prior to the completed application being provided to the OCIDA Board.

A) PILOTS Estimate Table Worksheet

| | |
|---|---|
| OCIDA estimate of current value | |
| New construction and renovation costs | |
| OCIDA estimate of increase in value | |
| OCIDA estimated value of completed project | |
| OCIDA estimate of taxes that would have been collected if the project did not occur | |
| Scheduled PILOT payments | |

| PILOT Year | Exemption % | County PILOT mount | Local PILOT Amount | School PILOT Amount | Total PILOT | Full Tax Payment w/o PILOT | Net Exemption |
|---|---|---|---|---|---|---|---|
| 1 | 100 | | | | | | |
| 2 | 90 | | | | | | |
| 3 | 80 | | | | | | |
| 4 | 70 | | | | | | |
| 5 | 60 | | | | | | |
| 6 | 50 | | | | | | |
| 7 | 40 | | | | | | |
| 8 | 30 | | | | | | |
| 9 | 20 | | | | | | |
| 10 | 10 | | | | | | |
| TOTAL | | | | | | | |

Estimates provided are based on current property tax rates and assessment value (current as of date of application submission) and have been calculated by IDA staff.

## SECTION: V For Retail Projects Only

1. Will the cost of the retail portion of the Project exceed one-third of the total project cost?

   ☐ Yes ☐ No

   If yes, please answer, questions 2, 3 and/or 4 below.
   If yes, please explain how much the project will exceed one-third of the total project cost.

   _____

2. Is the Project located in a distressed area? A distressed area is a census tract that has a) A poverty rate of at least 20% or at least 20% of households receiving public assistance, and (b) an unemployment rate of least 1.25 times the statewide unemployment rate for the year to which the date relates.

   ☐ Yes ☐ No

   If yes, please provide the data and explain.

3. Is the Project likely to attract a significant number of visitors from outside of the economic development region?

   ☐ Yes ☐ No

   If yes, please provide a third party market study.

4. Is the predominate purpose of the Project to make available goods or services which would not, but for the Project, be reasonably accessible to the residents of the Town, City, County or Village of where the Project will be located.

   ☐ Yes ☐ No

   If yes, please provide data and explain.

## SECTION VI: For Solar Projects Only

Please answer all the questions as an addendum to this application:

1. Describe the reasons why the Agency's financial assistance is necessary. Describe how the Project would be affected if these benefits were not provided. [see Section II (C)]

2. Is the Applicant leasing the property?
   - ☐ Yes, please provide a copy of the lease
   - ☐ No, purchased the property. Please provide documentation.

3. Has the Applicant provided written communication to the affected taxing jurisdictions notifying them of its intent to construct a renewable energy project?
   - ☐ Yes
   - ☐ No

4. Has the Applicant received a letter of support for the megawatt cost to be used as a basis for the PILOT from the town, city, and village where the Project is located?
   - ☐ Yes, please provide copy of the letter.
   - ☐ No

5. Has the Applicant received a letter of support for the megawatt cost to be used as a basis for PILOT from the school district?
   - ☐ Yes, please provide copy of the letter.
   - ☐ No

6. Is the entire parcel being used for the solar project?
   - ☐ Yes
   - ☐ No, have you reached out to the town assessor to discuss a subdivision or slash parcel? Explain:

7. Will the Applicant enter into a decommissioning plan with the host community, including financial assurance the plan can be executed?
   - ☐ Yes, explain.
   - ☐ No

*PLEASE SEE FOLLOWING PAGE FOR OCIDA SOLAR GUIDANCE & BEST PRACTICE

# OCIDA SOLAR PILOTs GUIDANCE AND BEST PRACTICE

To be placed on the Agency meeting agenda, proposed solar projects must provide the Agency with the following in advance of the Project's first OCIDA Board meeting:

1. Fully completed OCIDA application.
2. Copy of Environmental Assessment Form.
3. A SEQR resolution approved by a local municipality indicating the municipality that is lead agency, the type of action (I, II, or unlisted) and, if completed, the SEQR determination made by the municipality.
4. Copies of your zoning applications submitted to the local municipality.
5. Verification of parcel subdivision process with the town (if the entire parcel will not be used for the solar project).
6. A statement clarifying whether the applicant will lease or purchase the real property on which the Project is situated. If leased, provide a copy of the proposed or executed lease. If lease parcel is less than entire parcel then see 5 above.
7. A supporting document from the local town, village, city, and/or school district outlining the agreed upon cost per megawatt to be used as a basis for the PILOT. The Agency cannot create the PILOT schedule without this information.
8. Absent a showing otherwise by the Company, deemed acceptable by the Agency in the sole and absolute discretion, the Company must close with the Agency on a project prior to consideration of any requested organizational structure or project entity ownership changes.

You will receive a draft Cost Benefit Analysis and a Draft PILOT schedule from this office. You may use these documents as your Project progresses through the Agency approval process. Agency staff are available to update these two documents as needed.

## SECTION VII: For Housing Projects Only

Please answer all the questions as an addendum to this application:

1. Describe the reasons why the Agency's financial assistance is necessary. Describe how the project would be impacted if these benefits were not provided. [see Section II (C)]

2. Is the Project being built in a blighted area? If yes, please describe.

3. Is the Project fulfilling an unmet need in the area? If yes, please explain.

4. Please provide a market study documenting a need for such housing.

5. Is there support from local government officials for the Project and for the financial assistance being requested from the Agency? If yes, please provide written documentation.

6. Is the Project considered infill in a populated area? If yes, please explain.

7. Does the Project provide walkability? If yes, please explain.

8. Is there additional county infrastructure necessary to service the Project? If, yes, please explain.

9. Is the Project part of a larger mixed-use development? If yes, please describe.

## Section VIII: Local Access Policy Agreement

In absence of a waiver permitting otherwise, every project seeking the assistance of the Onondaga County Industrial Development Agency (Agency) must use local general contractors, sub-contractors, and labor for one-hundred percent (100%) of the construction of new, expanded, or renovated facilities. The project's construction or project manager need not be a local company.

**Noncompliance may result in the revocation and/or recapture of all benefits extended to the project by the Agency. Local Labor is defined as laborers permanently residing in the State of New York counties of Cayuga, Cortland, Herkimer, Jefferson, Madison, Oneida, Onondaga, Oswego, Tompkins, and Wayne.** Local (General/Sub) Contractor is defined as a contractor operating a permanent office in the State of New York counties of Cayuga, Cortland, Herkimer, Jefferson, Madison, Oneida, Onondaga, Oswego, Tompkins and Wayne. The Agency may determine on a case-by-case basis to waive the Local Access Policy for a project or for a portion of a project where consideration of warranty issues, necessity of specialized skills, significant cost differentials between local and non-local services or other compelling circumstances exist. The procedure to address a local labor waiver can be found in the OCIDA handbook, which is available upon request.

In consideration of the extension of financial assistance by the Agency Micron New York Semiconductor Manufacturing LLC (the Company understands the Local Access Policy and agrees to abide by it. The Company understands that an Agency tax-exempt certificate is typically valid for 12 months from the effective date of the project inducement and extended thereafter upon request by the Company. The Company further understands that any request for a waiver to this policy must be submitted in writing and approved by the Agency.

I agree to the conditions of this agreement and certify all information provided regarding the construction and employment activities for the project as of July 12, 2023 (date).

**If there are two applicants (Real Estate Holding and Operating Company) both need to complete this page.**

Applicant(s) Company: Micron New York Semiconductor Manufacturing LLC
Representative for Contract: Scott Gatzemeier
Address: 8000 S Federal Way City: Boise State: ID Zip: 83716
Phone: 208-363-4026 Email: sngatzemeier@micron.com
Project Address: 5171 NY-31 City: Clay State: NY Zip: 13041
Signature: _____

General Contractor: TBD. A General Contractor will be selected closer to the start of construction
Contact Person: _____
Address: _____ City: _____ State: _____ Zip: _____
Phone: _____ Email: _____
Authorized Representative: _____ Title: _____
Signature: _____

# Section IX: Agency Fee Schedule

* Minimum Fee to be applied to all project receiving OCIDA benefits is 1% of the Total Project Cost (TPC)

| ACTIVITY | FEES | COMMENTS |
|---|---|---|
| Non- refundable Application Fee (All projects except Solar Projects)<br><br>Non-refundable Application Fee (Solar Projects Only) | $1,000<br><br>$10,000 | Due at time of application |
| Legal Deposit (All projects except Solar Projects)<br><br>Legal Deposit (Solar Projects Only) | $2,500<br><br>$5,000 | Due at time of application |
| Minimum Fee of 1% of TPC<br>1. Sales and Use Tax Exemption<br>2. Mortgage Recording Tax<br>3. PILOT **is an additional fee**<br>4. Bond refinancing | .01 X TPC<br><br>.0025 X TPC (total X .0125)<br><br>.0025 X TPC (total X .015) | Due at closing |
| Projects that exceed $250,000,000 in Total Project Cost and/or create in excess of 500 new jobs, may be eligible to negotiate a non-standard Agency fee with the Executive Director. | TBD based on Executive Director determination | Due at closing |
| Agency Legal Fees<br><br>Fee for first $20 million<br><br>Fee for expenses above $20 million | <br><br>.0025 X of the project cost or bond amount<br><br>.00125 X of project cost or bond amount | Due at closing |
| Amendment or Modification of IDA documents, including but not limited to name or organization change, refinancing, etc. Consent to the amendment or modification of IDA documents prior to closing on the project shall be given at OCIDA's sole and absolute discretion. | Up to but not to exceed 5% of Agency Fee as noted on the Cost Benefit Analysis at time of project approval. Attorney fees determined by OCIDA Legal Representative. | Due at time of Request |

*OCIDA reserves the right to modify this schedule at any time and assess fees and charges in connection with other transactions such as grants of easement or lease or sale of OCIDA-owned property.*

## Section X: Recapture of Tax Abatement/Exemptions

**Information to be Provided the Company:** Each Company agrees that to receive benefits from the Agency it must, whenever requested by the Agency or required under applicable statutes or project documents, provide and certify or cause to be provided and certified such information concerning the Company, its finances, its employees and other topics which shall, from time to time, be necessary or appropriate, including but not limited to, such information as to enable the Agency to make any reports required by law or governmental regulation.

Please refer to the OCIDA Uniform Tax Exemption Policy (UTEP).

**I have read the foregoing and agree to comply with all the terms and conditions contained therein as well as policies of the Onondaga County Industrial Agency.**

**If there are two applicants (Real Estate Holding and Operating Company) both need to complete this page.**

Name of Applicant(s) Company: Micron New York Semiconductor Manufacturing LLC

Signature of Officer or Authorized Representative:

Name & Title of Officer or Authorized Representative: Scott Gatzemeier: CVP, FRONT END US EXPANSION

Date: July 17, 2023

## Section XI: Conflict of Interest

Agency Board Members

1. Patrick Hogan, Chairperson
2. Janice Herzog, Vice Chairperson
3. Sue Stanczyk, Director
4. Kevin Ryan, Director
5. Fanny Villarreal, Director
6. Cydney Johnson, Director
7. Elizabeth Dreyfuss, Director

Agency Officers/Staff

1. Robert M. Petrovich, Executive Director
2. Nathaniel Stevens, Treasurer
3. Nancy Lowery, Secretary
4. Karen Doster, Recording Secretary
5. Alexis Rodriguez, Assistant Treasurer
6. Svetlana Dyer, Assistant Secretary

Agency Legal Counsel & Auditor

1. Jeffrey Davis, Esq., Barclay Damon LLP
2. Amanda Fitzgerald, Esq., Barclay Damon LLP
3. Michael G. Lisson, CPA, Grossman St. Amour Certified Public Accountants PLLC

The Applicant(s) has received a list of members, officers and staff of the Agency. To the best of my knowledge, no member, officer or employee of the Agency has an interest, whether direct or indirect, in any transaction contemplated by this Application, except as hereinafter described:

If there are two applicants (Real Estate Holding and Operating Company) both need to complete this page.

Name of Applicant(s) Company: Micron New York Semiconductor Manufacturing LLC

Signature of Officer or Authorized Representative:

Name & Title of Officer or Authorized Representative: Scott Gatzemeier: CVP, FRONT END US EXPANSION

Date: July 17, 2023

## Section XII: Representations, Certifications, and Indemnification

If there are two applicants (Real Estate Holding and Operating Company) both need to complete this page.

Scott Gatzemeier (Name of CEO or other authorized representative of Applicant)(s) confirms and says that he/she is the CVP Front End US Expansion (title) of Micron New York Semiconductor Manufacturing LLC (name of corporation or other entity) named in the attached Application (the "Applicant"), that he/she has read the foregoing Application and knows the contents thereof, and hereby represents, understands, and otherwise agrees with the Agency and as follows:

**A. First Consideration for Employment:** In accordance with §858-b (2) of the New York General Municipal Law, the Applicant understands and agrees that if the Project receives any Financial Assistance from the Agency, except as otherwise provided by collective bargaining agreements, where practicable, the Applicant will first consider persons eligible to participate in WIA programs who shall be referred by the CNY Works for new employment opportunities created as a result of the Project.

**B. Annual Sales Tax Filings:** In accordance with §874(8) of the New York General Municipal Law, the Applicant understands and agrees that if the Project receives any sales tax exemptions as part of the Financial Assistance from the Agency, the Applicant agrees to file, or cause to be filed, with the New York State Department of Taxation and Finance, the annual form prescribed by the Department of Taxation and Finance, describing the value of all sales tax exemptions claimed by the Applicant and all consultants or subcontractors retained by the Applicant. For additional information on NYS sales and use tax see here.

**C. Outstanding Bonds:** The Applicant understands and agrees to provide on an annual basis any information regarding bonds, if any, issued by the Agency for the project that is requested by the Comptroller of the State of New York.

**D. Employment Reports:** The Applicant understands and agrees that, if the Project receives any financial assistance from the Agency, the Applicant agrees to file with the Agency, at least annually or as otherwise required by the Agency, reports regarding the number of people employed at the project site, salary levels, contractor utilization and such other information (collectively, "Employment Reports") that may be required from time to time on such appropriate forms as designated by the Agency. Failure to provide Employment Reports within 30 days of an Agency request shall be an event of default under the Project closing documents. Please see this page for ST-340 form required in the above referenced employment report.

**E. Prevailing Wage:** The Applicant understands and agrees that, if the Project receives any financial assistance from the Agency, the Applicant shall determine whether the Project is a "covered project" pursuant to Section 224-a of Article 8 of the New York Labor Law and, if applicable, the Applicant shall comply with Section 224-a of Article 8 of the New York Labor Law; and the Applicant further covenants that the Applicant shall provide such evidence of the foregoing as requested by the Agency.

**F. Compliance:** The Applicant understands and agrees that it is in substantial compliance with applicable local, state, and federal tax, worker protection, and environmental laws, rules, and regulations. The Applicant confirms and acknowledges that the owner, occupant or operator receiving financial assistance for the proposed Project is in substantial compliance with applicable local, state, and federal tax, worker protection and environmental laws, rules and regulations.

**G.** The Applicant understands and agrees that the provisions of Section 862(1) of the New York General Municipal Law, as provided below, will not be violated if financial assistance is provided for the proposed Project:

§ 862. Restrictions on funds of the Agency. (1) No funds of the Agency shall be used in respect of any project if the completion thereof would result in the removal of an industrial or manufacturing plant of the project occupant from one area of the state to another area of the state or in the abandonment of one or more plants or facilities of the project occupant located within the state, provided, however, that neither restriction shall apply if the agency shall determine on the basis of the application before it that the project is reasonably necessary to discourage the project occupant from removing such other plant or facility to a location outside the state or is reasonably necessary to preserve the competitive position of the project occupant in its respective industry.

**H.** The Applicant understands and agrees that it is in substantial compliance with applicable local, state and federal tax, worker protection, and environmental laws, rules and regulations. The Applicant confirms and acknowledges that the owner, occupant or operator receiving financial assistance for the proposed Project is in substantial compliance with applicable local, state, and federal tax, worker protection and environmental laws, rules and regulations.

**I.** The Applicant confirms and acknowledges that the submission of any knowingly false or knowingly misleading information may lead to the immediate termination of any financial assistance and the reimbursement of an amount equal to all or part of any tax exemption claimed by reason of the Agency's involvement in the Project.

**J.** The Applicant confirms and hereby acknowledges that as of the date of this Application, the Applicant is in substantial compliance with all provisions of Article 18-A of the New York General Municipal Law, including, but not limited to, the provision of Section 859-a and Section 862(1) of the New York General Municipal Law.

The Applicant and the individual executing this Application on behalf of Applicant acknowledge that the Agency and its counsel will rely on the representations and covenants made in this Application when acting hereon and hereby represents that the statements made herein do not contain any untrue statement of a material fact and do not omit to state a material fact necessary to make the statement contained herein not misleading.

**K.** The Agency has the right to request and inspect supporting documentation regarding attestations made on this application.

**L.** **Hold Harmless Agreement:** Applicant hereby releases Onondaga County Industrial Development Agency and the members, officers, servants, agents and employees thereof (the "Agency") from, agrees that the Agency shall not be liable for, and agrees to indemnify, defend and hold the Agency harmless from and against any and all liability arising from or expense incurred by: (A) the Agency's examination and processing of, and action pursuant to or upon, the attached Application, regardless of whether or not the Application or the Project described therein or the tax-exemptions and other assistance requested therein are favorably acted upon by the Agency; (B) the Agency's acquisition, construction, reconstruction, equipping and/or installation of the Project described therein and (C) any further action taken by the Agency with respect to the Project, including without limiting the generality of the foregoing, all cause of action and attorney's fees and any other expenses incurred in defending any suits or action which may arise as a result of any of the foregoing. If, for any reason, the Applicant fails to conclude or consummate necessary negotiations, or fails, within a reasonable or specified period of time, to take reasonable, proper or requested action, or withdraws, abandons, cancels or neglects the Application, or if the Agency or the Applicant are unable to reach final agreement with respect to the Project, then, and in the event, upon presentation of an invoice itemizing the same, the Applicant shall pay to the Agency, its agents or assigns, all costs incurred by the Agency in the process of the Application, including attorney's fees, if any.

Name of Applicant Company: Micron New York Semiconductor Manufacturing LLC

Signature of Officer or Authorized Representative:

Name & Title of Officer or Authorized Representative: Scott Gatzemeier: CVP, FRONT END US EXPANSION

Date: July 17, 2023

STATE OF NEW YORK )

COUNTY OF ONONDAGA ) ss.;

Scott Gatzemeier, being first duly sworn, deposes and says:

1. That I am the CVP, FRONT END US EXPANSION (Corporate Officer) of Micron New York Semiconductor Manufacturing LLC (Applicant) and that I am duly authorized on behalf of the Applicant to bind the Applicant.

2. That I have read and attached Application, I know the contents thereof, and that to the best of my knowledge and belief, this Application and the contents of this Application are true, accurate and complete

(Signature of Officer)

Subscribed and affirmed to me under penalties of perjury this 17 day of July, 2023.

Lois Watson

(Notary Public)

LOIS WATSON
COMMISSION #39269
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES 10/09/2027

End of Application

Rev 6.8.23

**US Sales Projections:**

Fabs 1 and 2 of the Onondaga County, New York megafab will produce approximately 100,000 wafers per month. The TAM for DRAM is predicted to grow from 200 billion Gb in CY22 to 320–340 billion Gb in CY25. Even if production at both Micron's Idaho and New York facilities reached full capacity in CY25, there would be demand for over three times the additional 40 billion Gb/year of leading-edge DRAM. Micron's Idaho facility will come online in November of 2025 and Micron's Onondaga County, New York facility will come online in December of 2026 and, as it will require some time for each fab to reach full production capacity, Micron expects the market demand to be well more than three times the output. This market demand provides strong justification for Micron's plan to invest up to $100B in the U.S. as a central part of its commercial strategy.

Micron's investments will increase the global percentage of DRAM manufactured in the US from 2% to 12% over the next twenty years. Fabs 1 and 2 of the Onondaga County, New York project will be enough to supply the most critical needs of the US market. While Micron does not provide state-specific sales data, memory is an integral part of the US economy and thus the percentage of DRAM sold in NYS is expected to be proportional to the size of the NYS economy.

**MICRON FABS 1 AND 2**

**TOWN OF CLAY TAX MAP PARCELS**

046.-02-01.0
046.-02-02.1
046.-02-02.2
046.-02-03.1
046.-02-03.2
046.-02-04.0
046.-02-05.1
046.-02-05.2
048.-01-01.0
048.-01-02.1
048.-01-02.2
048.-01-23.1
048.-01-23.3
049.-01-15.0
049.-01-16.0
049.-01-17.0
049.-01-18.4
049.-01-19.1
049.-01-19.2
050.-01-01.0
050.-01-02.1
050.-01-03.1
050.-01-04.1
050.-01-04.2
050.-01-04.3
050.-01-04.4
050.-01-05.0
051.-01-10.1
051.-01-10.6
051.-01-10.7
051.-01-10.8
051.-01-10.9
051.-01-12.0
064.-01-06.3
064.-01-08.0

**TOTAL ACREAGE:** **+/- 843.06**

**MICRON NEW YORK SEMICONDUCTOR MANUFACTURING LLC**
**OCIDA FINANCIAL ASSISTANCE APPLICATION SECTION II D AND E AND G**
**PROJECT NARRATIVE**

Micron New York Semiconductor Manufacturing LLC, a Delaware limited liability company, is a wholly owned subsidiary of Micron Technology, Inc. ("Micron"), a publicly traded Delaware corporation (NASDAQ: MU), the fourth largest semiconductor company in the world and the only U.S.-based manufacturer of digital memory. Micron was founded in 1978 and is headquartered in Boise, Idaho with approximately 48,000 employees worldwide. Micron is ranked 127th on the 2022 Fortune 500 list with fiscal year 2022 revenue of $30.8 billion. Micron is a world leader in innovating memory and storage solutions that accelerate the transformation of information into intelligence, inspiring the world to learn, communicate and advance faster than ever. Micron delivers the world's broadest portfolio of technologies at the core of today's most significant disruptive breakthroughs such as artificial intelligence and autonomous vehicles. Micron delivers a rich portfolio of high-performance DRAM, NAND and NOR[1] memory and storage products through our Micron® and Crucial® brands. Every day, the innovations that Micron employees create fuel the data economy, enabling advances in artificial intelligence and 5G applications that unleash opportunities from the data center to the intelligent edge and across the client and mobile user experience. The following critical and emerging technologies are highly reliant on the types of memory and storage products manufactured by Micron:

- Consumer electronics including mobile phones and personal computers that help people learn, work, and communicate across nearly every endeavor;
- Medical devices and other health care technology that support lifesaving efforts from the pandemic response to enabling health professionals to detect and treat cancer;
- Current vehicles on the road, which are more and more becoming "data centers on wheels" as more advanced driving systems become the norm;
- Major defense platforms, from fighter jets to combat vehicles to aircraft carriers and submarines, rely on computing, and through that memory, to operate;
- IT and communications systems that enable our digital world, data center applications, as well as communications networks for 5G and future networking models;
- Emerging technologies like artificial intelligence and machine learning, for which memory is one of the most critical technologies;

Micron's customers serve these markets and more. Profiles of our products and examples of customer partnership can be found here: https://www.micron.com/products/dram

Micron intends to invest approximately $100 billion over the next 20 years to build a leading-edge semiconductor manufacturing complex in the Town of Clay, New York on

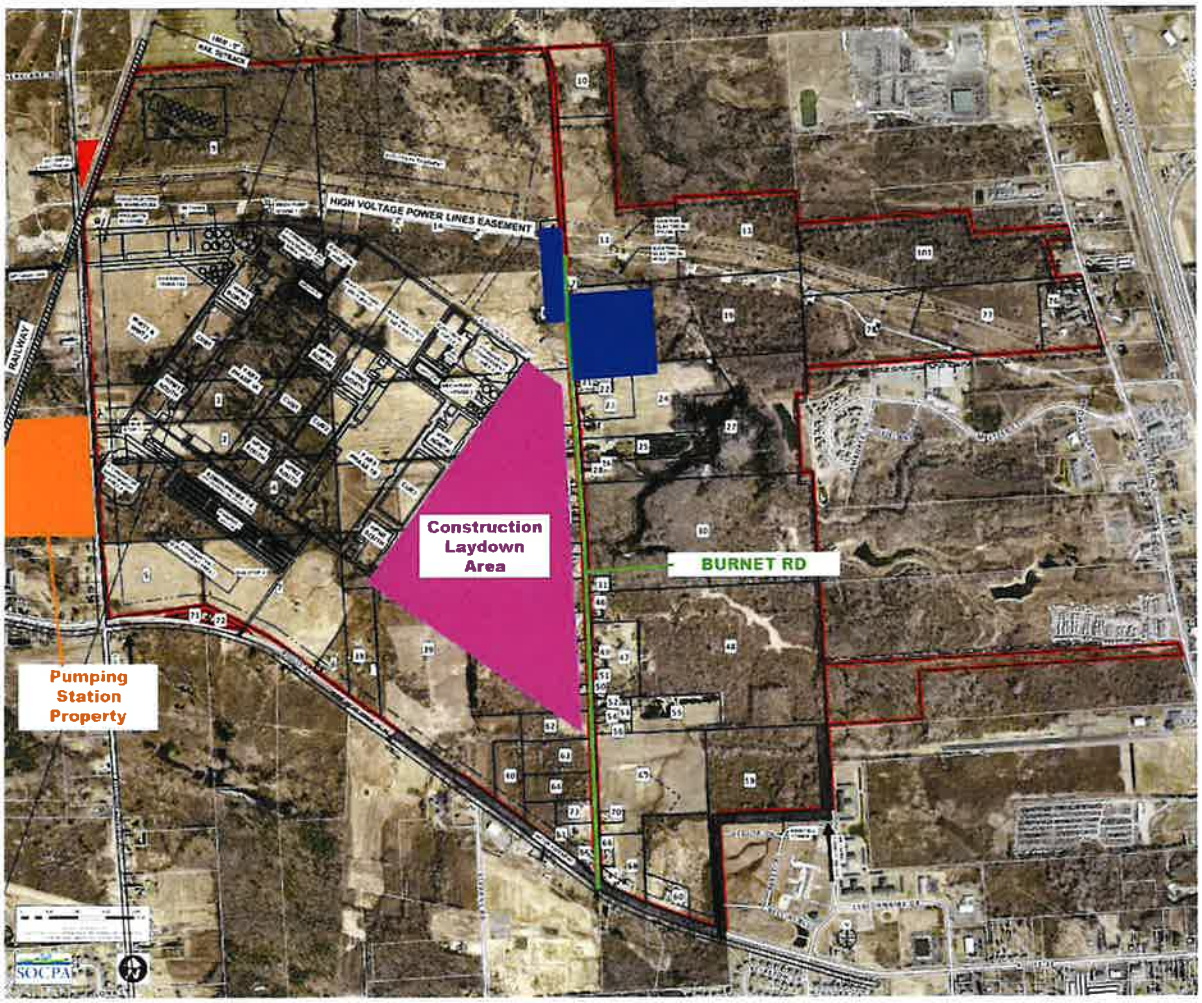
the approximately 1,400-acre White Pine Commerce Park. Micron intends to acquire the White Pine Commerce Park from the Onondaga County Industrial Development Agency and construct four memory fabrication facilities (also known as Fabs) on the site to contain Extreme Ultraviolet Photolithography (EUV), each Fab to occupy approximately 1.2 million square feet of land and contain approximately 600,000 square feet of cleanroom space, 290,000 square feet of cleanroom support space, 250,000 square feet of administrative space. Two sets of support facilities housed in separate buildings will be constructed, each consisting of a 360,000 square feet central utility building in addition to 200,000 square feet of warehouse and 200,000 square feet of product testing space. The Fab cleanroom space will be supported by a series of systems, including chilled water, process cooling water, air handlers, electrical sub stations, switch gear, and compressed dry air systems, and the installation therein of thousands of semiconductor manufacturing equipment, together with necessary ancillary facilities including office and storage space, associated site utilities and related site improvements including, but not limited to, driveways, interior access roads, sidewalks, parking lots, landscaping, signage, electric and gas utility and communications infrastructure internal to the site including, but not limited to, ancillary on-site electrical substations, water and wastewater pre-treatment and storage, and industrial gas storage (collectively the "Project").

Micron intends to construct two memory fabrication facilities in approximately 10 years. While Micron will consistently hire new employees during the construction of the first two Fabs as set forth in Micron's OCIDA Application, Micron intends to employ approximately 4,680 people on site upon completion of Fabs 1 and 2. More detailed employment information is included in Micron's OCIDA Application. Micron plans to construct two additional memory fabrication facilities (Fabs 3 and 4) to be completed approximately 10 years after completion of the Fabs 1 and 2. While Micron will consistently hire new employees during the construction of Fabs 3 and 4, Micron intends to employ approximately 9,000 people on site upon the completion of the Fabs 3 and 4. This Financial Assistance Application seeks Financial Assistance for Fabs 1 and 2 only.

Micron's planned investment in domestic memory manufacturing in Clay, New York is only possible because of federal, state, and local financial assistance. For decades, other countries have spent hundreds of billions of dollars to attract semiconductor manufacturing, and the jobs and advanced technological ecosystems that come with the industry, to their shores. The Federal CHIPS and Science Act provides companies like Micron with the confidence needed to make long-term investments as we face current cost premiums to build and operate fabs in the U.S. of up to 45% vs. low-cost global markets. This Act forms a holistic strategy to restore U.S. leadership in semiconductor manufacturing by leveling the playing field and making U.S. manufacturing cost competitive. Likewise, Micron would be unable to proceed with its Town of Clay Project without the commitment from the State of New York for Project infrastructure improvements as well as financial assistance from the Onondaga County Industrial Development Agency in the form of sales and real property tax exemptions. Federal,

state, and local financial assistance is critical to the undertaking of the Project by Micron and enabling ongoing business profitability comparable to that in lower-cost markets.

Draft Site Plan, Fabs 1 and 2:




Footnotes:

1. DRAM = Dynamic Random Access Memory, provides fast, temporary storage
   NAND = A type of solid state memory that provides long-lasting storage. Commonly used in mobile devices, SSD, and other applications.
   NOR = A type of solid state memory that provides long-lasting storage. NOR has different speed and endurance capabilities than NAND and thus different applications.

## ENVIRONMENTAL REVIEW INFORMATION EXPLANATION

The proposed action qualifies as a Type 1 action pursuant to the State Environmental Quality Review Act ("SEQRA"), which constitutes an action more likely than not to require the preparation of an Environmental Impact Statement (EIS).

The attached EAF reveals that the proposed action has the potential to result in significant adverse impacts on the environment, including but not limited to impacts related to transportation, natural resources, air quality and construction and construction-related impacts. OCIDA previously assessed the anticipated significant adverse impacts associated with use of the Project site for a similar use but smaller development footprint by acceptance of a Final Supplemental Generic Environmental Impact Statement on July 16, 2021 ("FGEIS") and the issuance of a SEQRA Findings Statement on July 27, 2021. The Company refers to the FGEIS and the SEQRA Findings Statement for further information on potential significant adverse environmental impacts on the Project site and potential strategies to avoid or mitigate such potential significant adverse impacts.

The Project anticipates completion of a Project-specific environmental impact statement that complies with the requirements of SEQRA as well as the requirements of the National Environmental Policy Act. Please note that while Micron is only currently seeking Financial Assistance for Fabs 1 and 2, as defined in the Project Narrative, the Project-specific environmental impact statement will address the impact of all 4 Fabs.

*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 applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

| | | |
|---|---|---|
| Name of Action or Project:<br>Micron New York Semiconductor Manufacturing | | |
| Project Location (describe, and attach a general location map):<br>White Pine Commerce Park, 5171 Route 31, Town of Clay, NY 13041 | | |
| Brief Description of Proposed Action (include purpose or need):<br>Micron intends to invest approximately $100 billion over the next 20 years to build a leading-edge semiconductor manufacturing campus in the Town of Clay on the approximately 1,400-acre White Pine Commerce Park. Micron intends to acquire the White Pine Commerce Park from the Onondaga County Industrial Development Agency (OCIDA) and construct a campus for four (4) memory fabrication plants (also known as Fabs) on the site. Each Fab, and their related facilities, would take approximately three to five years to construct. Interior fit-out of each Fab would continue after the building is complete, resulting in continuous site activity over approximately 20 years. It is anticipated that the first two (2) Fabs would be complete within approximately 10 years, and the second two (2) Fabs would be complete approximately 10 years thereafter. Skilled trade labor will be employed throughout the 20-year period. Each Fab would occupy approximately 1.2 million square feet (sf) of land and contain approx. 600,000 sf of cleanroom space, 290,000 sf of clean room support space, and 250,000 sf of administrative space. Each set of two fabs would be supported by approx. 360,000 sf of central utility buildings, 200,000 sf of warehouse space, and 200,000 sf of product testing space housed in separate buildings. A childcare center would be provided. The Micron Campus will also consist of ancillary on-site electrical substations, water and wastewater treatment and storage, and industrial gas storage. | | |
| Name of Applicant/Sponsor:<br>Micron New York Semiconductor Manufacturing LLC | Telephone:<br>E-Mail: | |
| Address: 8000 S. Federal Way | | |
| City/PO: Boise | State: Idaho | Zip Code: 83716 |
| Project Contact (if not same as sponsor; give name and title/role):<br>Anna Eberlin, Senior Assistant General Counsel | Telephone: 208-363-2424<br>E-Mail: aeberlin@micron.com | |
| Address:<br>Same as above. | | |
| City/PO: | State: | Zip Code: |
| Property Owner (if not same as sponsor):<br>Onondaga County Industrial Development Agency (OCIDA) | Telephone: (315) 435-3770<br>E-Mail: RobertPetrovich@ongov.net | |
| Address:<br>335 Montgomery Street, 2nd Floor | | |
| City/PO: Syracuse | State: New York | Zip Code: 13202 |

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.) **See EAF Addendum for a preliminary list of Federal, State, and local agencies.**

| Government Entity | If Yes: Identify Agency and Approval(s) Required | Application Date (Actual or projected) |
|---|---|---|
| a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No | Abandonment of Town road (Burnet Road) | TBD |
| b. City, Town or Village Planning Board or Commission ☑Yes ☐No | Town of Clay Planning Board, Site Plan<br>Town of Cicero Planning Board, Subdivision | TBD |
| c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No | Town of Clay ZBA, Zoning Variances (potential) | TBD |
| d. Other local agencies ☑Yes ☐No | Coordination with County water, sewer; | & 239-nn referral to Town of Cicero |
| e. County agencies ☑Yes ☐No | Onondaga County IDA funding; 239-m review; | & Sale of County property to Micron |
| f. Regional agencies ☐Yes ☑No | | |
| g. State agencies ☑Yes ☐No | NYSDEC: Air Permit, T&E, Freshwater Wetland, 401 WQC, SPDES; NYSDOT: HWP | TBD |
| h. Federal agencies ☑Yes ☐No | USACE: Section 404 | TBD |

i. Coastal Resources.

*i.* Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

*ii.* Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☑Yes ☐No

*iii.* Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

**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):

Erie Canalway National Heritage Corridor Preservation and Management Plan

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?
The project site is a mix of I-2, RA, and RA-15 zoning districts. The land owner, OCIDA, has submitted a zone change petition to the Town of Clay Town Board to rezone its properties to I-2.

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? North Syracuse Central School District

b. What police or other public protection forces serve the project site?
Onondaga County Sheriff's Department, Town of Cicero Police Department

c. Which fire protection and emergency medical services serve the project site? Town of Cicero Fire Department, Clay Volunteer Fire Dept (VFD), Meyers Corner FD, Brewerton Fire District, North Syracuse FD, Caughdenoy VFD, Emergency Medical-NAVAC & NOVA

d. What parks serve the project site?
Two Town of Clay parks are located within one mile of the project site: Meltzer Park and the Clay Historical Park.

**D. Project Details** **See EAF Addendum for additional description of the Proposed Project.**

**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)? Industrial semiconductor manufacturing facilities.

b. a. Total acreage of the site of the proposed action? ±1,253 acres
b. Total acreage to be physically disturbed? ±595 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? ±1,253 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)
Multiple residential and vacant parcels to be combined into one industrial parcel.
*ii.* Is a cluster/conservation layout proposed? ☐ Yes ☑ No
*iii.* Number of lots proposed? N/A
*iv.* Minimum and maximum proposed lot sizes? Minimum N/A Maximum N/A

e. Will the 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 2
- Anticipated commencement date of phase 1 (including demolition) Nov month 2024 year
- Anticipated completion date of final phase Dec month 2043 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

Phase 1 is construction of FAB 1 and FAB 2 and associated buildings and on-site and off-site infrastructure. Phase 2 is construction of FAB 3 and FAB 4 and associated buildings and site infrastructure.

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

| | One Family | Two Family | Three Family | Multiple Family (four or more) |
|---|---|---|---|---|
| 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 ±35

*ii.* Dimensions (in feet) of largest proposed structure: ±165' height; ±600' width; and ±2,000' length

*iii.* Approximate extent of building space to be heated or cooled: ±8-10 million 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: Industrial water supply storage proposed within tanks. No new surface water features other than stormwater.

*ii.* If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☑ Other specify: Stormwater

*iii.* If other than water, identify the type of impounded/contained liquids and their source.
Industrial process chemicals to be contained within on-site storage tanks.

*iv.* Approximate size of the proposed impoundment. Volume: 4 tanks ea. 5-6 million gallons; surface area: TBD acres

*v.* Dimensions of the proposed dam or impounding structure: +100-110' height; ±100' ~~length~~ diameter

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

**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.

_____

_____

i*v.* 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): Potentially NYSDEC Class C Stream No. 899-10 (Tributaries of Oneida River); NYSDEC Wetlands BRE-11 & BRE-14; and on-site Waters of the United States

*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:
Specific impacts will be determined by site plan development; potential impacts could include placement of fill or structures for outfall locations.

*iii.* Will the proposed action cause or result in disturbance to bottom sediments? ☑ Yes ☐ No
If Yes, describe: Extent of impacts to waterbodies and wetlands to be determined by additional studies.

*iv.* Will the 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: _____
To be determined based on final design plans.

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: approx. 48 million 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: Town of Clay UWD / Onondaga County Water Authority (line owned by Metropolitan Water Board)
- 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: _____
  Coordination with Onondaga County Water Authority has been initiated to determine extent to extensions/capacity expansions necessary.
- Source(s) of supply for the district: Lake Ontario

*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), what is the 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: 8-20 million 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): _____
Sanitary wastewater and industrial process wastewater. Nature and volume of liquid waste to be generated are to be determined.

*iii.* Will the proposed action use any existing public wastewater treatment facilities? ☑ Yes ☐ No
If Yes:

- Name of wastewater treatment plant to be used: Oak Orchard Wastewater Treatment Plant
- Name of district: Onondaga County Consolidated Sewer 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 a 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: Installation of new wastewater forcemains and pumping stations. Necessary improvements to the existing Oak Orchard Wastewater Treatment Plant to accommodate the project are being evaluated.

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

If Yes:

- Applicant/sponsor for new district: OCIDA
- Date application submitted or anticipated: TBD
- What is the receiving water for the wastewater discharge? Oneida River

*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: Micron will include on-site infrastructure to allow for reuse of industrial process water. Micron plans to explore capture of rainwater for gray water use.

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:

*i.* How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or ±195 acres (impervious surface)

_____ Square feet or 1,253 acres (parcel size)

*ii.* Describe types of new point sources. Ditches, pipes, curbs, gutters, detention pond outfalls, etc.

*iii.* 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)?

On-site stormwater management facility and/or offsite discharge to tributaries of Oneida River.

- If to surface waters, identify receiving water bodies or wetlands: Oneida River
- Will stormwater runoff flow to adjacent properties? ☐ Yes ☑ No

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

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:

*i.* Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

Delivery and employee vehicles.

*ii.* Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

Potentially power generation.

*iii.* Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

Process emissions.

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: Micron is coordinating with NYSDEC to quantify air emissions in support of a Title V permit.

*i.* 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

*ii.* In addition to emissions as calculated in the application, the project will generate:

- TBD Tons/year (short tons) of Carbon Dioxide ($CO_2$)
- TBD Tons/year (short tons) of Nitrous Oxide ($N_2O$)
- TBD Tons/year (short tons) of Perfluorocarbons (PFCs)
- TBD Tons/year (short tons) of Sulfur Hexafluoride ($SF_6$)
- TBD Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- TBD 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): TBD

*ii.* Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): Limited methane use on site to power air pollution control equipment to meet air quality standards. Amounts of methane will depend on final design of air pollution control equipment and influent stream composition.

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):

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: Micron is coordinating with NYSDOT on a comprehensive traffic impact study.

*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 truck trips/day and type (e.g., semi trailers and dump trucks): 10 to 30 trucks/peak hour (approx. 2-5% of vehicle trips/hr for 870,000 SF logistics, warehousing, and/or shipping & receiving space)

*iii.* Parking spaces: Existing 0 Proposed +/-12,000 Net increase/decrease +/-12,000

*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: Caughdenoy Road/NYS Route 31 improvements; site driveways on NYS Route 31; signal timing adjustments

*vi.* Are public/private transportation service(s) or facilities available within ½ 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: 7.15 billion kWh/year for Phase 1; 16.17 billion kWh/year for Phase 2

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

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

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

*i.* During Construction:

- Monday - Friday: 7 AM - 7 PM
- Saturday: 7 AM - 7 PM
- Sunday: N/A
- Holidays: N/A

*ii.* During Operations:

- Monday - Friday: 24 hours/day
- Saturday: 24 hours/day
- Sunday: 24 hours/day
- Holidays: 24 hours/day

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:

Noise generated from construction (M-F 7am-7pm) and site operations (24/7) are expected to contribute to sound levels.

*ii.* Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☑ Yes ☐ No

Describe: Tree removal within the site is proposed. Landscaping at the perimeter of the site is proposed.

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:

Light sources could include pole-mounted and/or building mounted. Luminaries which are dark-sky friendly, high-efficiency LED lights with cut off shields to provide uniform and energy conscious illumination to walkways and parking lots will be implemented to the greatest extent possible.

*ii.* Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☑ Yes ☐ No

Describe: Tree removal within the site is proposed. Landscaping at the perimeter of the site is proposed.

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:

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 Petroleum, miscellaneous chemicals needed to support manufacturing and research & development.

*ii.* Volume(s) Varies per unit time _____ (e.g., month, year)

*iii.* Generally, describe the proposed storage facilities:

Tanks and containers that are compliant with regulations. Secondary containment structures, as warranted.

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):

Limited use of herbicides and pesticides in landscaped areas following an Integrated Pest Management (IPM) plan. IPM may address methods for management of noxious, non-native, and/or invasive species during construction and over the life of the project.

*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: Micron is coordinating with NYSDEC to identify potential waste streams.

*i.* Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: TBD tons per _____ (unit of time)
- Operation : Prelim. est. of 45,000 tons per year (unit of time)

*ii.* Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: On-site waste minimization and off-site reuse/recycling will be conducted. Materials privately hauled to recycling facility.
- Operation: On-site waste minimization through raw material usage and process optimization. Both on-site and off-site reuse and recycling will be conducted; materials privately hauled to recycling or reuse facility.

*iii.* Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: TBD
- Operation: TBD

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 the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☑ Yes ☐ No

Micron is coordinating with NYSDEC to identify potential hazardous waste impacts.

If Yes:

*i.* Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

A variety of hazardous materials will be handled, generated and managed in accordance with all applicable regulations. Typical hazardous materials used in advanced semiconductor fabrication include solvents, acids, bases, corrosives, oxidizers, slurries, and other gases and liquids.

*ii.* Generally describe processes or activities involving hazardous wastes or constituents: _____

Manufacturing, laboratory chemicals.

*iii.* Specify amount to be handled or generated TBD tons/month

*iv.* Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

On-site waste minimization through raw material usage and process optimization. Both on-site and off-site reuse will be conducted. Off-site recycling and energy recovery may occur after privately hauled to recycling or other facility.

*v.* Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☑ Yes ☐ No

If Yes: provide name and location of facility: _____

TBD

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:

The site is bounded by highway commercial uses to the south, industrial uses to the west, residential agricultural use to the north, and commercial, residential, and undeveloped lands to the east.

b. Land uses and covertypes on the project site.

| Land use or Covertype | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|---|---|---|---|
| • Roads, buildings, and other paved or impervious surfaces | 5 | 514 | +509 |
| • Forested | 485 | 170 | - 315 |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | 549 | 119 | - 430 |
| • Agricultural (includes active orchards, field, greenhouse etc.) | 60 | 0 | - 60 |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | 0 | 0 | 0 |
| • Wetlands (freshwater or tidal) | 300 | 169 | - 131 |
| • Non-vegetated (bare rock, earth or fill) | 0 | 0 | 0 |
| • Other Describe: Landscaped Areas | 0 | 427 | + 427 |

c. Is the project site presently used by members of the community for public recreation? ☑ Yes ☐ No

*i.* If Yes: explain: Informal snowmobile trails maintained by Snow Owls, Inc. (Trail C7L on NYS Snowmobile Association trail map).

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:

The Cottages at Garden Grove is a nursing home located approximately 200 ft, east of the site at 5460 Meltzer Ct, in Cicero; Grace Evangelical Covenant Church is located at 5300 NY-31 in Clay, and ~200 ft. south of the proposed project site. The church runs a pre-school program.

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:

_____

_____

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:

_____

_____

*iii.* Describe any development constraints due to the prior solid waste activities: _____

_____

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:

_____

_____

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): Spill No. 2005446

☐ 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: _____

Not applicable

_____

*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: _____

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

a. What is the average depth to bedrock on the project site? 10-15 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:

| | |
|---|---|
| Niagara silt loam, 0 to 4% slopes | 41.56 % |
| Collamer silt loam, 2 to 6% slopes | 26.95 % |
| Hilton loam, 3 to 8 % slopes | 5.9 % |

d. What is the average depth to the water table on the project site? Average: 4.5 feet

e. Drainage status of project site soils:
☑ Well Drained: 5 % of site
☑ Moderately Well Drained: 42 % of site
☑ Poorly Drained 53 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 98.46 % of site
☑ 10-15%: 0.92 % of site
☑ 15% or greater: 0.62 % of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features. See EAF Mapper report at end of EAF for identification of wetland resources.

*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 899-10 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland, Federal Waters, Fe... Approximate Size NYS Wetland (in a... 453 acres
- Wetland No. (if regulated by DEC) BRE-14, BRE-11

*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: _____

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:

eastern chipmunk | white-tailed deer | nuthatch
eastern gray squirrel | wood thrush | ruffed grouse
tufted titmouse | racooon | other common birds & small mammals

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

If Yes:

*i.* Describe the habitat/community (composition, function, and basis for designation): _____

*ii.* Source(s) of description or evaluation: _____

*iii.* Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

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? ☑ Yes ☐ No

If Yes:

*i.* Species and listing (endangered or threatened): Sedge Wren, Indiana Bat

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? ☐ Yes ☑ No

If Yes:

*i.* Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No

If yes, give a brief description of how the proposed action may affect that use: _____

**E.3. Designated Public Resources On or Near Project Site**

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? ☐ Yes ☑ No

If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☑ Yes ☐ No

*i.* If Yes: acreage(s) on project site? Approx. 1/2 of Project Site (626 +/-ac) soils are rated as prime farmland or farmland of statewide significance.

*ii.* Source(s) of soil rating(s): USDA Web Soil Survey

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

If Yes:

*i.* Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

*ii.* 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? ☐ Yes ☑ No

If Yes:

*i.* CEA name: _____

*ii.* Basis for designation: _____

*iii.* 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 the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☑ Yes ☐ No

If Yes:

*i.* Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

*ii.* Name: Updated consultation with NYS SHPO will be conducted.

*iii.* Brief description of attributes on which listing is based:

Coordination with NYS SHPO will be conducted.

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? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

*i.* Describe possible resource(s): _____

*ii.* Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

*i.* Identify resource: Oneida Lake; several local or County parks; NYS Cicero Swamp Wildlife Management Area

*ii.* Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): State or local park

*iii.* Distance between project and resource: Varies by resource miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

*i.* Identify the name of the river and its designation: _____

*ii.* Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ 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.

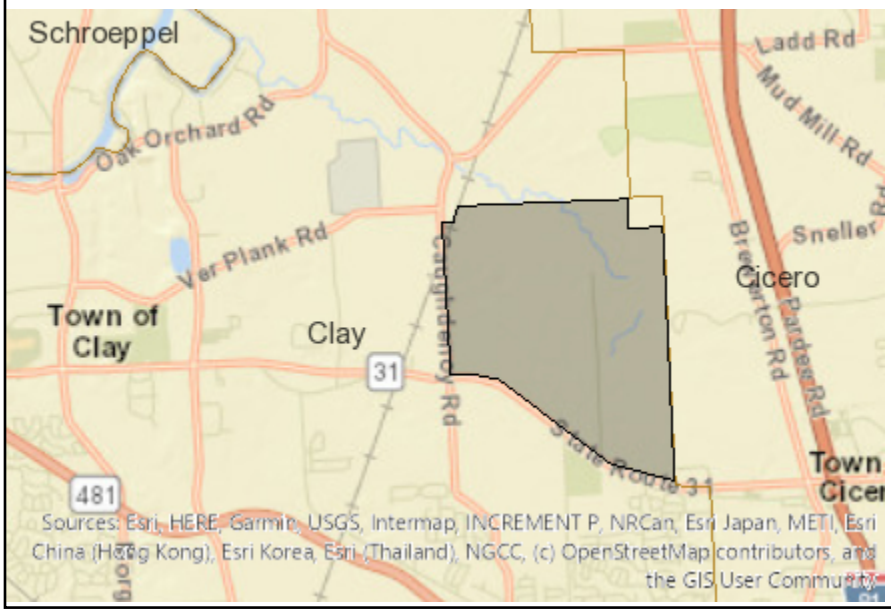
Applicant/Sponsor Name Graham L. Trelstad, AICP on behalf of Micron Date July 12, 2023

Signature _____ Title Senior Vice President, WSP USA, Inc.

**PRINT FORM**

# EAF Mapper Summary Report

Friday, July 7, 2023 11:40 AM




**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] | Yes |
| 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] | 899-10 |
| E.2.h.iv [Surface Water Features - Stream Classification] | C |
| 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):36.2, NYS Wetland (in acres):313.8 |
| E.2.h.iv [Surface Water Features - DEC Wetlands Number] | BRE-14, BRE-11 |
| E.2.h.v [Impaired Water Bodies] | No |

| | |
|---|---|
| E.2.i. [Floodway] | No |
| E.2.j. [100 Year Floodplain] | No |
| E.2.k. [500 Year Floodplain] | No |
| E.2.l. [Aquifers] | No |
| E.2.n. [Natural Communities] | No |
| E.2.o. [Endangered or Threatened Species] | Yes |
| E.2.o. [Endangered or Threatened Species - Name] | Sedge Wren, Indiana Bat |
| E.2.p. [Rare Plants or Animals] | No |
| E.3.a. [Agricultural District] | No |
| E.3.c. [National Natural Landmark] | No |
| E.3.d [Critical Environmental Area] | No |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | 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 |

# MICRON SEMICONDUCTOR FABRICATION

# CLAY, NY
# SEQRA EAF ADDENDUM

July 14, 2023

# CONTENTS

# TABLES



# FIGURES

# ABBREVIATIONS

ADA ..... Americans with Disabilities Act
CEQ ..... Council on Environmental Quality
CFR ..... Code of Federal Regulations
CLCPA ..... Climate Leadership and Community Protection Act
DEIS ..... Draft Environmental Impact Statement
EIS ..... Environmental Impact Statement
GEIS ..... Generic Environmental Impact Statement
GHG ..... Greenhouse Gas
LWRP ..... Local Waterfront Revitalization Program
MSAT ..... Mobile Source Air Toxic
NAAQS ..... National Ambient Air Quality Standards
NEPA ..... National Environmental Policy Act
NOI ..... Notice of Intent
NYSDOT ..... New York State Department of Transportation
OCDWEP ..... Onondaga County Department of Water Environment Protection
OCIDA ..... Onondaga County Industrial Development Agency
OCWA ..... Onondaga County Water Authority
SEQRA ..... New York State Environmental Quality Review Act
SGEIS ..... Supplemental Generic Environmental Impact Statement
SHPO ..... State Historic Preservation Officer
TEM ..... NYSDOT's The Environment Manual
U.S.C. ..... United States Code
WPCP ..... White Pine Commerce Park

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# 1 Introduction

Micron New York Semiconductor Manufacturing LLC, a Delaware limited liability company and wholly owned subsidiary of Micron Technology, Inc. ("Micron"), is proposing to construct a semiconductor manufacturing campus (the "Micron Campus") in the Town of Clay, New York, at the White Pine Commerce Park, an approximately 1,400-acre industrial park controlled by the Onondaga County Industrial Development Agency (OCIDA). The Micron Campus, together with ancillary development on nearby properties (described below), are referred to collectively as the "Proposed Project".

Micron is seeking federal funding under the "Creating Helpful Incentives to Produce Semiconductors and Science Act of 2022 (the "CHIPS Act") and will require certain federal permits and approvals, including, but not limited to, federal wetlands permits pursuant to Section 404 of the Clean Water Act. Therefore, Micron, as the Project Sponsor, will prepare a draft Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act (NEPA) of 1969 (42 United States Code (U.S.C.) § 4321 et seq.) and Council on Environmental Quality's (CEQ) NEPA-implementing regulations (40 Code of Federal Regulations (CFR) §§ 1500-1508). Given the need for a number of New York State permits and discretionary approvals as well as potential funding, the EIS also will conform, as applicable, with the guidelines and methodologies established under the New York State Environmental Quality Review Act (SEQRA) (6 NYCRR Part 617) (New York Environmental Conservation Law §§8-0101 et seq).

This document is being provided as an addendum to the SEQRA Environmental Assessment Form (EAF). It provides a description of the Proposed Project, as well as additional information on the purpose and need for the Proposed Project. This document also includes an initial list of agencies likely to either review or permit the Proposed Project.

## 1.1 PROJECT OVERVIEW

Micron is a world leader in innovative memory solutions that transform how the world uses information. For over 40 years, the company has been instrumental to the world's most significant technology advancements, delivering optimal memory and storage systems for a broad range of applications. Memory is at the leading edge of semiconductor manufacturing and fuels everything from feature-rich 5G smartphones to the AI-enabled cloud. Micron's leadership in both DRAM and NAND technologies provides the market-based confidence to invest up to $100 billion to affirm the company's industry-leading memory innovation and deliver differentiated products to its customers.

Micron's proposed semiconductor manufacturing facility campus in the Town of Clay, Onondaga County, New York will be built-out over an approximate 20-year period, and will consist of the

construction of four (4) Memory Fabrication facilities (Fabs). Micron expects that the Fabs will be built in sequence, with construction of each Fab starting as the preceding Fab is being fit-out and operations begun (the EIS will analyze an interim analysis year as well as a final year of completion). This process will result in continuous construction activities on the site over the approximate 20-year period, with a significant portion of that construction occurring inside previously constructed Fab buildings. Micron intends to start construction of the Micron Campus in 2024 with Fabs 1 and 2 complete and operational by 2032. Full build-out of the Micron Campus (completion of Fabs 3 and 4) would be complete in 2043. Each Fab is expected to occupy approximately 1.2 million square feet (sf) of land and contain approximately 600,000 sf of clean room[1] space, 290,000 sf of clean room[2] support space, and 250,000 sf of administrative space. Each set of two Fabs would be supported by approximately 360,000 sf of central utility buildings[3], 200,000 sf of warehouse space, and 200,000 sf of product testing space[4] housed in separate buildings. The proposed Micron Campus will also include ancillary on-site electrical substations, water and wastewater pre-treatment and storage, and industrial gas storage. The entire Micron Campus, with four (4) Fabs and all ancillary support facilities, driveways, and parking; an adjacent Pump Station Site; and a Childcare Site (which are described in more detail below) comprises the "Proposed Project."[5] Off-site water, wastewater, electricity, natural gas, and telecommunication utility improvements necessary for the Proposed Project will be identified as "off-site improvements" and will also be analyzed in the EIS (see Section **Error! Reference source not found.** of this document for additional information on these project components).

The Micron Campus is an approximately 1,400-acre assemblage of land located in an area of the Town of Clay bordered by NYS Route 31 to the south, Caughdenoy Road to the west, a series of National Grid overhead power lines to the north (although the site extends approximately 100 feet beyond the power lines), and the Town of Clay/Town of Cicero boundary line to the east. The majority of the Micron Campus is contained within the Town of Clay, Onondaga County, New York and is accessible from I-81 from an interchange with NYS Route 31 (see Figure 1).

[1] Cleanroom: This part of the campus is where the thousands of advanced equipment are housed that are used to take raw silicon wafers and build the chips. It is called a cleanroom because there are strict requirements on particles in the air that can impact the functionality of the chips. The chips are built up in layers of metals and insulators, similar to how a building is constructed floor-by-floor.

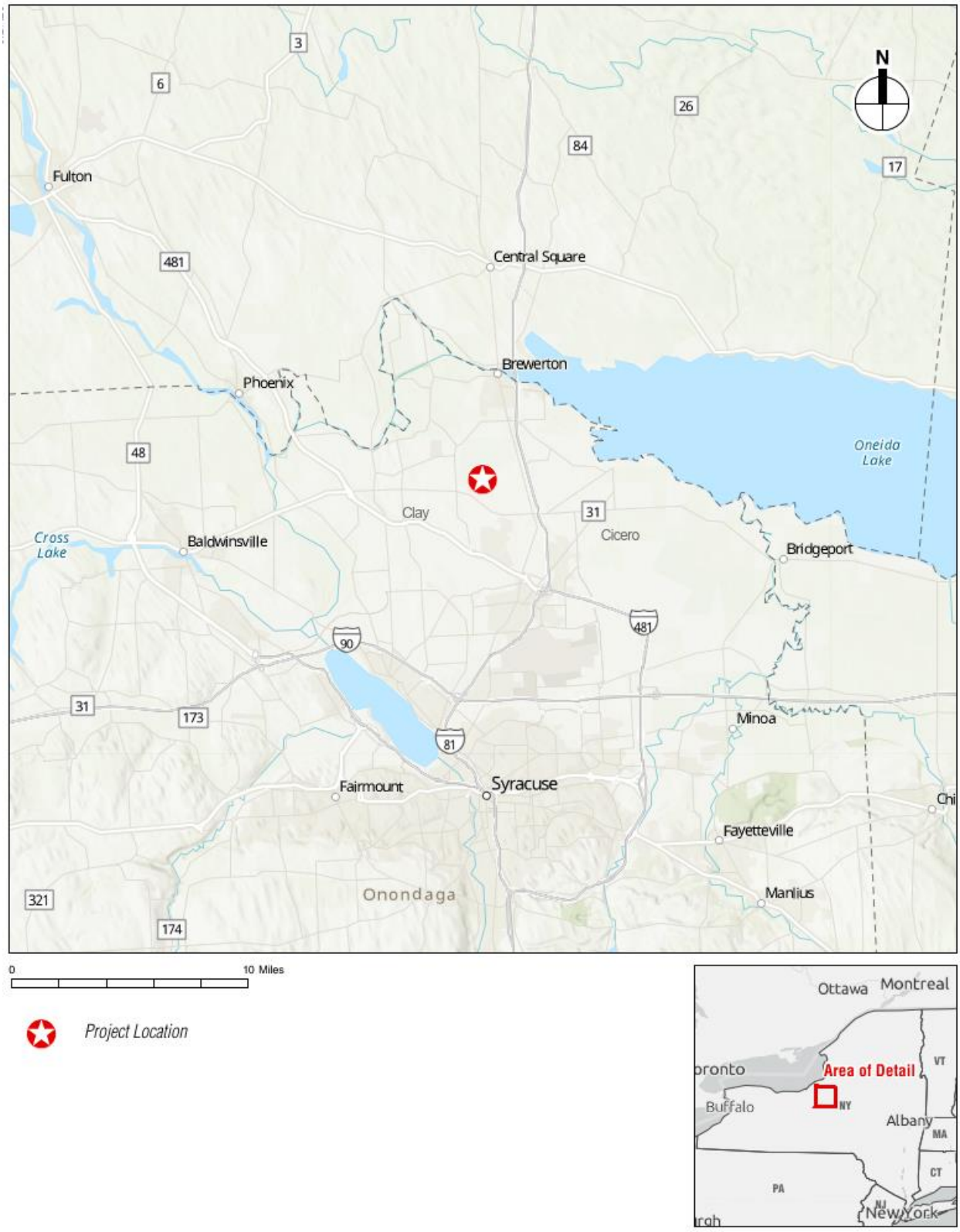
[2] Cleanroom support: This part of the campus includes functions such as workshops to refurbish parts, labs to complete incoming chemical tests, surface analysis of what is on the wafers, and perform cross-sections of the wafer to validate the structure of the chips meets requirements.

[3] Central utility building: These buildings house the systems required for delivering the utilities necessary to produce the chips. These utilities include systems such as HVAC, electrical transmission equipment, water purification and recycling, and chemical/specialty gas delivery systems.

[4] Product testing space: This space is used to house advanced equipment that takes finished wafers and performs electrical testing that validates the chips function to required specifications before the wafers are shipped out for assembly into products and further testing.

[5] Full development of the four (4) Fab Micron Campus is contingent upon acquisition of all properties within the area identified as the Micron Campus.

**FIGURE 1 LOCATION OF PROPOSED MICRON CAMPUS**



# 2 Purpose and Need

## 2.1 PURPOSE AND NEED

The purpose of the Proposed Project is to further the United States goal to expand domestic memory chip manufacturing capacity and restore U.S. leadership in semiconductor manufacturing as embodied in the "Creating Helpful Incentives to Produce Semiconductors and Science Act of 2022" (the "CHIPS Act"). For Micron, the purpose is to advance its leading-edge position in the development and manufacturing of DRAM memory chips.

The purpose of the CHIPS Act and the need for the Proposed Project is to reduce U.S. reliance on foreign production of both leading edge and older generation microelectronics. Semiconductors were invented in America, and the U.S. semiconductor industry has historically dominated many parts of the international semiconductor supply chain, such as R&D, chip design and manufacturing. Yet the U.S. position within the semiconductor industry has been declining. In 1990, the U.S. accounted for around 40 percent of global semiconductor fabrication capacity. By 2019, that number had dropped to about 11 percent. The need for the Proposed Project is to reduce economic and national security risks by building domestic capacity, to establish a dynamic and collaborative network for semiconductor research and innovation centers, and to improve competitiveness and strengthen regional supply chain industries. Micron provides a unique and essential role in domestic production of leading-edge memory chips that are essential and high-volume components of the semiconductor industry.

Micron's investment in the Proposed Project will also advance the goals of the State of New York and OCIDA to enhance job growth in Central New York by promoting advanced manufacturing in the region. The Proposed Project is anticipated to generate nearly 50,000 jobs in Central New York over more than a 20-year period, including 9,000 good-paying Micron jobs directly generated by the Proposed Project and over 40,000 additional jobs with suppliers, contractors and other businesses supporting the proposed chip manufacturing facility. To this end, Micron and the State of New York have announced a historic $500 million investment in community and workforce development over a more than 20-year period. Micron will further invest $250 million in line with its commitment to the Green CHIPS Community Investment Fund. An additional $250 million is expected to be invested, with $100 million from New York, and $150 million from local, other state and national partners. This fund is intended to expand and train the workforce in the region, including providing support for disadvantaged populations.

## 2.2 PROJECT BACKGROUND

Central New York as well as other regions of New York State have experienced a reduction in manufacturing jobs over several decades. In 1991, OCIDA and the City of Syracuse Chamber of

Commerce commissioned an Industrial Park Feasibility Study to identify potential candidate sites for locating industrial businesses in Onondaga County (the "County"). The study identified two sites for large scale industrial uses, with the White Pine Commerce Park ("WPCP") ultimately selected as the preferred site for purchase due to its proximity to National Grid's Caughdenoy electric substation, highway access, and Industrial zoning designation. Between 1991 and 1999, the County purchased seven properties to form the original approximately 340-acre WPCP (previously referred to as Clay Business Park).

OCIDA's intent in acquiring the lands, originated in 1998 with the advent of the SEMI-NY program (as discussed below), resulted in the accumulation of the original 340-acre footprint of the WPCP. The SEMI-NY program was a New York State initiative initiated in 1998 to attract the semiconductor industry to the state by identifying and advancing "qualified" sites that were consistent with conceptual semiconductor industry profiles. OCIDA's objective was to further the County's economic development agenda by providing a site that met the SEMI-NY criteria and could be presented as a qualified site for a semiconductor manufacturing facility under the SEMI-NY program. To support OCIDA's efforts to obtain the SEMI-NY "qualified" site designation for its site, OCIDA prepared a Generic Environmental Impact Statement (GEIS) to assess potential environmental and socio-economic impacts associated with full build-out of the 300-acres by a yet to be determined semiconductor company. The GEIS, which was prepared pursuant to New York's SEQRA process, was released in April 2002.

From 2017 to the present, OCIDA has made significant investments to advance and market the WPCP, with the semiconductor industry targeted as the site's highest and best use. In the ensuing years following the initial creation and focused marketing of the WPCP, the semiconductor industry, for several commercial reasons, has transitioned toward the construction and use of a Fab complex, which typically consist of two to four Fabs operating at a single site; a trend introduced in Asia and Europe and now replicated in the US. The semiconductor industry of today focuses on economies of scale, the need to build fewer, larger Fabs, and the managerial and economic benefits regarding workforce and reducing operational downtimes during expansions. This has resulted in the need for 1000-acre sites.

As a result, over the past six years, OCIDA decided to purchase adjacent land to enlarge the WPCP to accommodate this new vision. The WPCP is now over 1,400 contiguous acres. This size makes it considerably larger than most available sites in New York. Considering other critical additional project needs beyond sheer size (e.g., proximity to a sufficient supply of electricity and water, wastewater treatment, and natural gas) further diminishes the number of available sites that can accommodate modern semiconductor manufacturing. Overlaying the acreage and infrastructure needs with access to multi-modal transportation and labor needs is often a point of failure for most other sites, which might otherwise meet the acreage need. Accordingly, sites that substantially meet Micron's site selection criteria are not commonly available, which further supports Micron's selection of the WPCP as the location for the proposed Micron Campus.

OCIDA utilized the development of a GEIS (2012) and the follow up Supplemental Generic Environmental Impact Statement (SGEIS), completed in 2021, to evaluate potential locations throughout Onondaga County for development of a site suitable to attract semi-conductor manufacturing. OCIDA, in 2012 and again in 2021, selected the WPCP as its preferred site to attract private industrial and commercial development because of its size, potential for industrial zoning, access to transportation, proximity of utilities, as well as a history of Town of Clay efforts to facilitate industrial development at the property.

The 2012 GEIS considered the following potential sites in addition to WPCP:

- Radisson Corporate Park – 950 acres in the Town of Lysander;
- Hancock Air Park – 200 acres adjacent to the Syracuse Hancock Airport;
- Collamer Crossings Business Park – 200 acres in the Town of Dewitt located near NYS Route 298, I-90, I-481; and
- Syracuse Research Park – 99-acre site adjacent to Syracuse University.

The Radisson Corporate Park was not deemed a viable option because it lacked sufficient room and it did not offer the location specific advantages such as the proximity to Interstates 81 and 481 that the WPCP did. Neither the Hancock Air Park nor the Collamer Crossing Business Park were deemed viable options because the available lots were small and could not accommodate large industrial uses. The Syracuse Research Park was available for light industrial use, but it could not easily accommodate large-scale industrial uses.

The 2012 GEIS evaluated three (3) different site layouts for the WPCP: 1) a layout that provided 1 million sf of development while avoiding all State-mapped wetlands; 2) a layout that provided 1.5 million sf of development that balanced approximately 4.2 acres of wetland impacts against the additional benefits from the larger size of development; and 3) a layout that provided over 2 million sf balanced against additional impacts to wetlands. OCIDA identified the third alternative as the "preferred alternative" in the 2012 GEIS based on the overall economic returns versus the degree of environmental impacts. The GEIS also included a 2012 engineering report evaluating three (3) options for extending sanitary sewer service to the WPCP: 1) use of Verplank Road north of NYS Route 31; 2) use of the NYS Route 31 right-of-way; and 3) use of the Metropolitan Water Board (now OCWA) right-of-way south of NYS Route 31. The 2012 engineering report built from a 2003 feasibility study, the *Semi-NY Sewer Route Feasibility Study*, which evaluated five sanitary sewer line routing options. OCIDA selected the third option for extension of sanitary sewer service to the WPCP as the preferred alternative.

The 2021 SGEIS revisited the question of whether the WPCP was the preferred alternative to attract industrial and commercial development to Onondaga County, and compared it to the same

alternative candidate sites that the 2012 GEIS assessed, again concluding that "[n]one of the previously considered alternative locations would be able to accommodate the large-scale industrial use that the [White Pine Commerce] Park is promoting due to size limitations and proximity to services and necessary infrastructure."

The 2021 SGEIS concluded that significant expansion of the WPCP was feasible and more likely to attract leading edge manufacturing, such as semiconductor manufacturing. The alternative locations considered in the 2021 SGEIS were rejected as much too small to accommodate semiconductor manufacturing. The 2021 SGEIS assessed the additional potential significant adverse impacts from a larger facility and determined that the proposed increase in size of the development parcel to approximately 1,250 acres (later expanded to the current approximately 1,400 acres) would not result in significant adverse environmental impacts with the assumed layout, compared to the impacts identified from the generic layout previously assessed on the 340-acre site.

On August 9, 2022, President Biden signed into law the CHIPS Act making over $50 billion available "to strengthen American manufacturing, supply chains, and national security, and invest in research and development, science and technology, and the workforce of the future to keep the United States the leader in the industries of tomorrow, including nanotechnology, clean energy, quantum computing, and artificial intelligence."[6]

On August 11, 2022, New York State Governor Kathy Hochul signed into law the Green CHIPS Act, which provides up to $10 billion in economic incentives for environmentally friendly semiconductor manufacturing and supply chain projects (Ch. 494, L. 2022). The Green CHIPS legislation was passed to align with the provisions of the Federal CHIPS Act for the purpose of attracting domestic semiconductor manufacturing and related activities to New York State.

On October 4, 2022, Micron announced plans to invest up to $100 billion over the next 20-plus years to develop a new leading edge semiconductor manufacturing facility at what is now known as the WPCP in Clay, New York, with a first-tier investment of $20 billion planned by the end of this decade. Micron intends to apply for funding from both the CHIPS Act and the Green CHIPS Act to assist in the financing of the Proposed Project. Micron and Empire State Development (ESD), the umbrella organization of New York State's two principal economic development public-benefit corporations, established a framework, known as the Community Investment Framework, outlining the shared investments to be made by Micron and the State of New York. This framework will allow for the strengthening the existing regional workforce and to create new growth and expansion of the workforce overall.

[6] FACT SHEET: CHIPS and Science Act will Lower Costs, Create Jobs, Strengthen Supply Chains, and Counter China, August 9, 2022, The White House. https://www.whitehouse.gov/briefing-room/statements-releases/2022/08/09/fact-sheet-chips-and-science-act-will-lower-costs-create-jobs-strengthen-supply-chains-and-counter-china/

Micron's Proposed Project is the long-anticipated fulfillment of OCIDA's original goal to attract a state-of-the art manufacturing facility to generate high-paying employment opportunities in Onondaga County. Micron's investment also furthers recent United States and New York State policies and programs to incentivize domestic semiconductor manufacturing.

# 3 Description of the Proposed Project

Micron intends to build a semiconductor manufacturing facility campus (the "Micron Campus") at the expanded White Pine Commerce Park, which will be built-out over an approximately 20-year period with four Fabs. It is expected that Fabs will be continuously fit-out and construction on the next Fab will be in sequence as the prior Fab finishes fit-out. The EIS will analyze an interim analysis year of 2031 with the first two Fabs open with construction ongoing as well as a final analysis year for the total project with all four Fabs in operation in 2043).

The Micron Campus would comprise approximately 1,400 acres, consisting of the enlarged White Pine Commerce Park parcel studied in the 2021 SGEIS along with additional contiguous acreage acquired or to be acquired by OCIDA. Each Fab is expected to cover approximately 1.2 million sf of land and contain approximately 600,000 sf of clean room space, 290,000 sf of clean room support space, and 250,000 sf of administrative space. Each set of two Fabs will be supported by approximately 360,000 sf of central utility buildings, 200,000 sf of warehouse space, and 200,000 sf of product testing space housed in separate buildings. The Micron Campus will also have ancillary on-site electrical substations, water and wastewater treatment and storage, and industrial gas storage. See Figure 2 for a preliminary site plan of the proposed Micron Campus.[7]

Three (3) additional properties will be developed with uses ancillary to the Micron Campus (see Figure 3):

- An approximately 36.9-acre parcel on the west side of Caughdenoy Road (Town of Clay tax parcel 046.-02-03.2) (the "Pump Station Site") will be used for wastewater pump stations to be operated by Micron and OCDWEP; and
- An approximately 30.2-acre parcel on the north side of Caughdenoy Road (Town of Clay tax parcel 042.-01-13.0, 9100 Caughdenoy Road) (the "Childcare Site") on which Micron will construct an employee health care center and childcare center.
- An approximately 1-acre parcel on the northwest side of the White Pine Commerce Park (048.-01-02.1) ("jack and bore site") which will be used for utility line conveyance.

The Micron Campus, with four (4) Fabs and all ancillary support facilities, driveways, and parking; the Pump Station Site; the jack and bore site; and the Childcare Site comprise the "Proposed Project."

[7] Modifications to the preliminary site plan may, ultimately, reduce the footprint of the areas shown for "electrical easement." Micron is working with National Grid to refine plans for proposed electrical interconnections.

**FIGURE 2 PROPOSED SITE PLAN FOR MICRON CAMPUS**

Off-site energy (natural gas and electricity), telecommunications, water, and wastewater utility improvements will also be required and will be identified as "off-site improvements" necessary for the Proposed Project and analyzed in the environmental review (see Figure 3). The following off-site improvements have been identified:

Energy

- Extension of a 16-inch diameter natural gas line from National Grid's Gas Regulator Station (GRS) 147 at 4459 NYS Route 31 to the Micron Campus (approximately 3.15 miles) and construction of GRS 147A at the same address as the existing GRS;
- Construction of four (4) underground electrical transmission duct bank connections from the existing National Grid sub-station west of Caughdenoy Road.

Telecommunications

- Extension of existing fiber-optic lines located along NYS Route 31 to the Micron Campus and from the existing fiber-optic lines located along Caughdenoy Road.

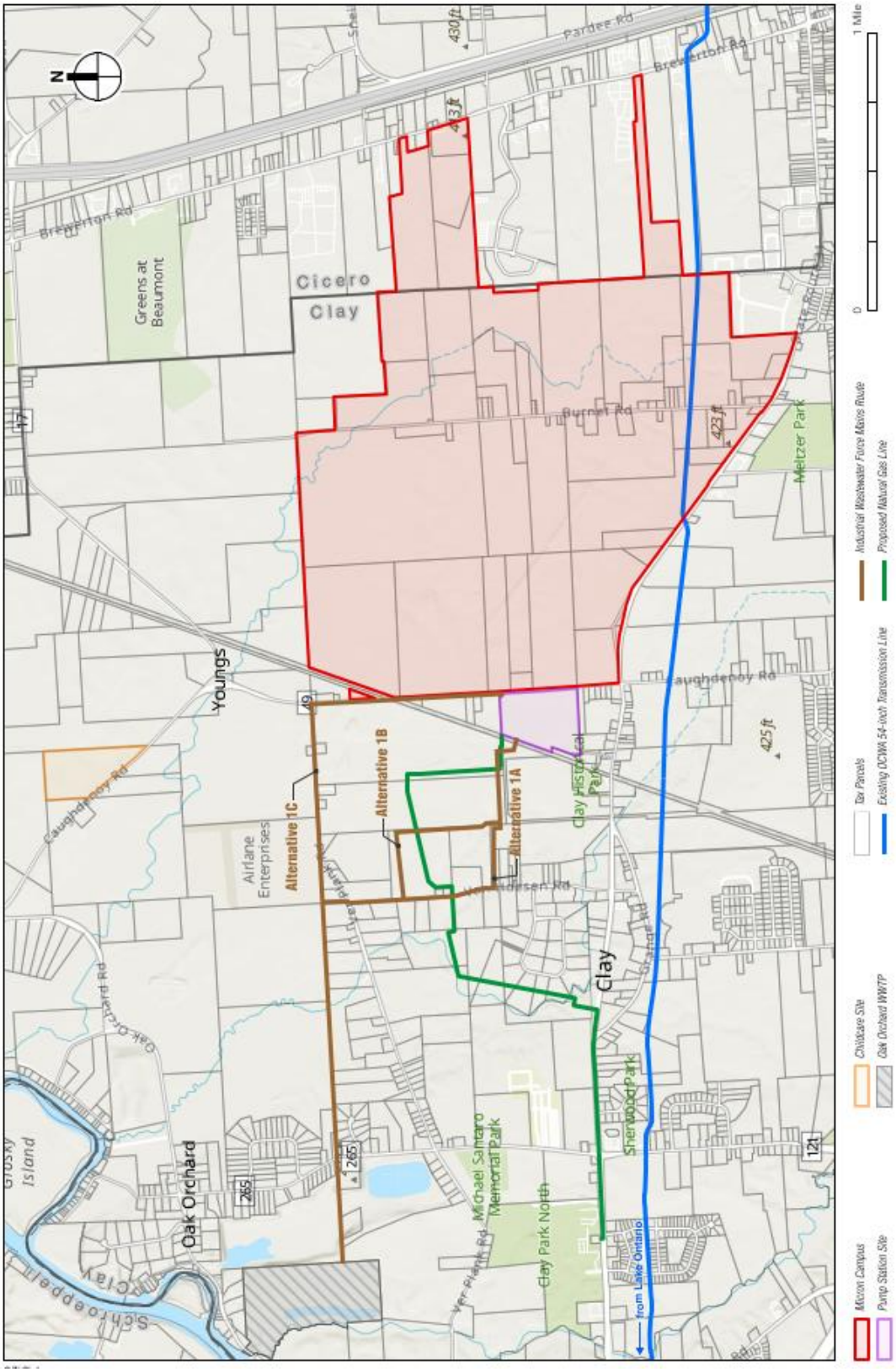
Water Supply

Onondaga County Water Authority (OCWA) has capacity within its water supply system to service Micron's initial water demand for construction and operations of Fab 1 (approximately 11.5 million gallons per day (MGD)). A new Clear Water Pumping Station at OCWA's Lake Ontario Water Treatment Plant (LOWTP) would be required. This new Clear Water Pumping Station will be designed to accommodate anticipated water demand for Micron's Fab 2 to Fab 4. Potable water for initial construction would be provided to the Micron Campus through existing water mains located in Caughdenoy Road and Burnet Road. Potable water for Fab 1 operations would be provided to the Micron Campus through construction of a new connection from OCWA's existing Eastern Branch Transmission Main south of NYS Route 31 via a new service connection within a 99-foot-wide easement within the Micron Campus along Caughdenoy Road.

To serve the anticipated future total demand of approximately 48 MGD, OCWA would have to make the following water supply infrastructure improvements:

- Construction of a new Raw Water Tunnel and Raw Water Pumping Station at OCWA's existing Burt Point property on Lake Ontario (City of Oswego);
- Construction of a new Raw Water Transmission Main from Burt Point to OCWA's Lake Ontario Water Treatment Plant (LOWTP) using an easement that OCWA obtained for such purposes in the 1990s;
- Modification to the LOWTP with addition of two (2) new filters, one (1) contact basin, and one (1) new clearwell as well as additional chemical storage space and residual handling facilities;
- Expansion of OCWA's Clear Water Transmission Main from LOWTP to OCWA's Terminal Campus with one (1) additional 54-inch diameter line parallel to the existing 54-inch diameter line;

**FIGURE 3 MICRON CAMPUS AND OFF-SITE UTILITIES**



- Construction of one (1) 15 million gallon water storage tank at OCWA's Terminal Campus;
- Upgrading of existing pumps at OCWA's Farrell Pumping Station at Terminal Campus and construction of a parallel pumping station;
- Expansion of OCWA's Eastern Branch Transmission Main south of NYS Route 31 from one (1) 54-inch diameter water main with up to three (3) additional 54-inch diameter water mains depending on evaluations of Micron's initial water re-use and reclamation performance; and
- Relocation of a portion of the existing OCWA Eastern Branch Transmission Line crossing the Micron Campus to allow for Micron Fab 3 and Fab 4 construction.

Wastewater

Onondaga County Department of Water Environment Protection (OCDWEP) will be able to convey sanitary wastewater from the Micron Campus during initial construction through a planned extension of municipal sanitary wastewater force mains to a portion of the Oak Orchard Wastewater Treatment Plant (WWTP) service area that has not previously been served by municipal infrastructure. Operation of Micron's Fab 1 will require additional industrial wastewater infrastructure and improvements to the Oak Orchard WWTP in addition to planned industrial wastewater pre-treatment facilities that Micron will construct on the Micron Campus. The following OCDWEP infrastructure improvements are required prior to operation of Micron's Fab 1:

- Construction of OCDWEP industrial wastewater service conveyance to the Oak Orchard wastewater treatment plant (WWTP) from a new industrial wastewater pumping station to be constructed on Micron property west of Caughdenoy Road. Conveyance infrastructure would comprise four (4) 30-inch force mains for industrial wastewater; and one (1) 36-inch force main for reclaimed water supply;
- Connection from the Micron Campus to the industrial wastewater pumping station through four (4) new 30-inch diameter industrial wastewater conveyance lines under Caughdenoy Road; and
- Expansion of the Oak Orchard WWTP to treat industrial wastewater (with pre-treatment required by Micron at the Micron Campus).

# 4 Proposed Project Operations and Setting

The SEQRA EAF prepared for the Proposed Project includes a number of instances of "TBD" as detailed information on many aspects of the construction or operation of the Proposed Project are being developed through on-going detailed technical studies. The information will be presented in the Draft Environmental Impact Statement (DEIS) being prepared by Micron.

This section of the EAF Addendum provides additional information to facilitate an understanding of where significant adverse environmental impacts may result from the Proposed Project. Item numbers reference section and sub-section numbers in the EAF where Micron believes significant adverse impacts may occur.

D.2.b Development of the Micron Campus and off-site infrastructure will likely result in impacts to Federal and New York State wetlands. Micron is completing a comprehensive delineation of all wetlands within areas of disturbance associated with the Proposed Project and has initiated consultation with the United States Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC). Specific options for mitigation have not been developed but will be identified in the DEIS.

D.2.c Micron has initiated consultation with the Onondaga County Water Authority (OCWA) regarding the necessary infrastructure improvements that would be required to provide approximately 48 million gallons per day to the Micron Campus. See Section 3, above, for an identification of the infrastructure improvements that would be required for the Proposed Project.

D.2.d Micron has initiated consultation with the Onondaga County Department of Water Environment Protection (OCDWEP) regarding the necessary infrastructure improvements that would be required to convey and treat sanitary wastewater and industrial wastewater generated by the Micron Campus. See Section 3, above, for an identification of the infrastructure improvements that would be required for the Proposed Project.

D.2.e Micron will develop a Stormwater Pollution Prevention Plan (SWPPP), or multiple SWPPPs, covering all areas of disturbance that would be required for the Proposed Project. The SWPPP(s) will be prepared as part of a complete Site Plan application to the Town of Clay Planning Board and reviewed by the Town of Clay as the designated Municipal Separate Storm Sewer System (MS4).

D.2.f/D.2.g/D.2.h The Proposed Project will generate new air emissions from mobile sources (vehicles) and stationary sources (on-site emissions). Micron is coordinating with NYSDEC to identify likely compounds that could be emitted and the quantities of such compounds in support of a planned Title V Permit submission.

D.2.j Micron has initiated consultation with the New York State Department of Transportation (NYSDOT), the Federal Highway Administration (FHWA), Onondaga County Department of Transportation, the Town of Clay, and the Town of Cicero to identify the requirements for a comprehensive traffic impact study that will be included in the DEIS.

D.2.k Micron has initiated consultation with New York Power Authority, National Grid, and the New York Independent System Operator (NYISO) to identify the necessary energy infrastructure that would be required to serve the Proposed Project. See Section 3, above, for an identification of the infrastructure improvements that would be required for the Proposed Project.

D.2.m Micron is conducting a comprehensive noise assessment to identify any potential impacts related to construction or operations noise from both mobile sources (vehicles accessing the site) and stationary sources (equipment on-site).

D.2.n Micron is preparing a detailed lighting plan for the proposed Micron Campus and will evaluate potential effects of lighting on surrounding properties.

D.2.p The Micron Campus will include a number of storage tanks and containers that are compliant with regulations. Secondary containment structures will be provided, as warranted. The DEIS will identify the likely materials and quantities to be stored on the Micron Campus. Micron will continue to coordinate with NYSDEC on any permitting for bulk storage.

D.2.q Micron intends to develop an Integrated Pest Management (IPM) plan. The IPM plan may address methods for management of noxious, non-native, and/or invasive species during construction and over the life of the Proposed Project.

D.2.r/D.2.t Micron is developing a comprehensive inventory of waste streams to be managed at the Micron Campus, including both hazardous and non-hazardous wastes. Preliminary estimates indicate approximately 45,000 tons per year of waste would be generated during operations. Additional detail will be provided in the DEIS. Micron will coordinate with Onondaga County and/or the NYSDEC on any applicable permitting.

E.1.b The EIS will include a complete assessment of land use and cover types based on field studies and mapping being conducted in Spring and Summer of 2023. Numbers presented in the EAF are from best-available resources prior to completion of the detailed field studies.

E.1.d A detailed inventory of land uses surrounding the Micron Campus will be part of the DEIS and will provide information on potentially sensitive land uses that would be evaluated as part of detailed technical studies (e.g., noise, air emissions).

E.1.h The DEIS will include detailed information relating to the potential history of contamination at the proposed Micron Campus and at proposed off-site utility corridors. The information will

include summaries of historic operations at these locations, if any, as well as Federal, State, and local databases of known or potential spills.

E.2 The DEIS will include detailed information relating to natural resource conditions on or near the Micron Campus. Information on depth to bedrock, soil type, slope, and wetlands will be developed based on detailed technical studies being conducted in Spring and Summer of 2023. Micron has initiated consultation with the United States Fish and Wildlife Service (USFWS) and NYSDEC to identify potential threatened, endangered, or special status species that may exist on or near the Micron Campus. Micron has initiated detailed field studies of potential habitat for Indiana bat and sedge wren in Spring 2023 pursuant to protocol reviewed by USFWS and NYSDEC.

E.3 Micron has initiated consultation with the New York State Historic Preservation Officer (SHPO) regarding any buildings, archaeological sites, or districts listed on, or eligible for listing on, the National or State Register of Historic Places. Field studies of existing structures and areas potentially disturbed by the Proposed Project are being conducted in Spring and Summer 2023. Micron is conducting a visual impact assessment consistent with NYSDEC Program Policy DEP-00-2, "Assessing and Mitigating Visual and Aesthetic Impact" (2019). A five-mile radius from the Proposed Project is being evaluated consistent with that Program Policy.

# 5 Agency and Public Coordination

Agency and public coordination are an integral component at all stages of planning and project development. Federal regulations require that projects include a comprehensive public involvement program. The contemplated public and agency participation efforts for this Proposed Project are in compliance with NEPA and CEQ regulations implementing NEPA (40 CFR §§ 1500-1508), Section 106 of the National Historic Preservation Act of 1966, and Executive Order 12898.

## 5.1 AGENCY COORDINATION ACTIVITIES

The agency coordination process will include coordination with various Federal, State, and local agencies (see Table 1). Table 1 identifies those primary agencies with reviewing or permitting authority.

A "Cooperating Agency," according to CEQ regulations (40 CFR §1508.5), means any Federal agency, other than a lead agency, that has jurisdiction by law or special expertise with respect to any environmental impact involved in a proposed project or reasonable alternative. If a State or local agency has similar qualifications, or when the proposed action or reasonable alternatives may have effects on lands of tribal interests, a State or local agency or a tribal government may, by agreement with the lead agency, also become a Cooperating Agency. CEQ regulations (40 CFR § 1501.6) also state that an agency may request the lead agency to designate it a Cooperating Agency. A Cooperating Agency has similar roles and responsibilities as an Involved Agency under SEQRA.

"Participating Agencies" are those Federal, State, or local agencies, or federally recognized tribal governmental organizations, with an interest in the project. The standard for "Participating Agency" status is broader than the standard for "Cooperating Agency" status. A Participating Agency has similar roles and responsibilities as an Interested Agency under SEQRA. Therefore, all Cooperating Agencies are Participating Agencies, but not all Participating Agencies are Cooperating Agencies.

**TABLE 1 PRELIMINARY LIST OF LEAD, COOPERATING, AND PARTICIPATING AGENCIES**

| Agency | Accepted Role | Responsibilities |
|---|---|---|
| **Lead Agencies** | | |
| US Dept. of Commerce | Co-Lead Agency | NEPA leadership and coordination, development of findings. Approval of CHIPS grant. |
| Onondaga County Industrial Development Agency (State environmental review lead) | Co-Lead Agency | SEQRA leadership and coordination, establishing final entitlement of White Pine Industrial Park and coordination of land development agreements.<br>Sale of OCIDA property to Micron.<br>Potential property condemnation pursuant to New York Eminent Domain Procedure Law. |
| **Federal Agencies** | | |
| US Army Corps of Engineers (USACE) | Cooperating Agency | Issue 404 Wetlands permit. |
| Federal Highway Administration | Participating Agency | Consultation on the need and design of alterations to the national highway system and the interstate highway system to mitigate identified adverse traffic impacts. |
| U.S. Environmental Protection Agency | Cooperating Agency | NEPA advisory role (i.e., Environmental Justice) and consultation related to the issuance of federally-delegated Clean Air Act and Clean Water Act permits to be issued by New York State Department of Environmental Conservation. |
| U.S. Department of Interior, Office of Environmental Policy and Compliance | Participating Agency | Consultation related to Section 4(f) of the U.S. Dept. of Transportation Act. |
| U.S. Fish & Wildlife Service | Cooperating Agency | Consultation on federal Endangered Species Act compliance. |
| Advisory Council on Historic Preservation | Section 106 Consultation | Possible participation in Section 106 process. |
| **State, County, and City Agencies** | | |
| New York State Department of Environmental Conservation | Cooperating Agency | Title V air quality permitting, wetlands jurisdictional determination and permitting, consultation related to threatened & endangered species, SWPPP permits for on-site and off-site land disturbance, modification to existing SPDES discharge for Oak Orchard WWTP, Section 401 water quality certification, and hazardous chemical bulk storage. |
| New York State Empire State Development | Cooperating Agency | Approval of Green Chips Grant. |
| New York State Office of Parks, Recreation and Historic Preservation (SHPO) | Section 106 Consultation | Consultation related to potential impact to historic resources. |
| New York State Department of Transportation | Participating Agency | Consultation in traffic impact evaluation and mitigation measures to address adverse transportation impacts on state routes and interstate highways. |
| Syracuse Metropolitan Transportation Council (SMTC) | Participating Agency | General consultation and approval actions to add to official regional transportation plans. |
| Onondaga County Dept. of Transportation (OCDOT) | Participating Agency | Consultation in traffic impact evaluation and mitigation on county routes. |
| Town of Clay Planning Board | Cooperating Agency | Site Plan/Subdivision approvals including MS4/SWPPP approval. |
| Town of Cicero Town Board | Participating Agency | Referral per General Municipal Law. |
| Town of Cicero Planning Board | Cooperating Agency | Subdivision Approval. |
| New York Power Authority | Cooperating Agency | Proving high-load factor energy allocation and ReCharge expansion energy allocation. |
| New York State Energy Research Development Authority | Participating Agency | Collaborating on Green Chips Grant. |
| Onondaga County Department of Water Environment Protection | Cooperating Agency | Enlarging wastewater treatment capacity and extending sewer lines to the Micron Campus; SPDES Industrial Pretreatment Permit |
| Onondaga County Water Authority | Cooperating Agency | Extending potable water lines to the Micron Campus. |