



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov. Center

**RE: DRAFT PERMIT TO INSTALL
WARREN COUNTY
Application No: 14-04906**

CERTIFIED MAIL

DATE: 6/14/00

Sumitomo Sitix Silicon
William Romaine
537 Grandin Road
Maineville, OH 45039-0000

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$400** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA
KY

HCDES
IN

OH-KY-IN Reg Coun of Govt



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 14-04906

Application Number: 14-04906
APS Premise Number: 1483080196
Permit Fee: **To be entered upon final issuance**
Name of Facility: Sumitomo Sitix Silicon
Person to Contact: William Romaine
Address: 537 Grandin Road
Maineville, OH 45039-0000

Location of proposed air contaminant source(s) [emissions unit(s)]:
**537 Grandin Road
Maineville, Ohio**

Description of proposed emissions unit(s):
ASM #62 Epitaxial Reactor with wet scrubber.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Sumitomo Sitix Silicon

Facility ID: 1483080196

PTI Application: 14-04906

Issued: To be entered upon final issuance

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any

Sumitomo Sitix Silicon
PTI Application: 14-04906

Facility ID: 1483080196

Issued: To be entered upon final issuance

information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may

Sumitomo Sitix Silicon
PTI Application: 14-04906

Facility ID: 1483080196

Issued: To be entered upon final issuance

lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

Sumitomo Sitix Silicon

Facility ID: 1483080196

PTI Application: 14-04906

Issued: To be entered upon final issuance

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
HCl	0.06

Sumi

PTI

Emissions Unit ID: P018

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P018 - ASM #62 Epitaxial Reactor with wet scrubber	OAC rule 3745-31-05(A)(3)	0.014 lb/hr HCl; 0.06 TPY HCl
		See T&C A.2.a.
	OAC rule 3745-31-05(D)	See T&C A.2.b.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with emissions unit P018 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	Less stringent than OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a wet scrubber, compliance with the HCl emissions limits and compliance with the facility-wide HAPs emissions limits.
- 2.b The actual emissions of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from this facility shall not exceed 9.9 TPY for any single HAP and 24.9 TPY for any combination of HAPs. Compliance with the above limitations shall be based on a rolling, 12-month summation.

Issued: To be entered upon final issuance

- 2.c The hourly emission limitations outlined in term A.1. are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

B. Operational Restrictions

1. The static pressure at the inlet of the scrubber shall be continuously maintained at a value between -2.0 inches of water and 1.0 inches of water (-0.4 TORR to 2.0 TORR) at all times while the emissions unit is in operation.
2. The scrubber water recirculation flow rate shall be continuously maintained at a value of not less than 10 gallons per minute at all times while the emissions unit is in operation.
3. The make-up water flow rate into the scrubber shall be maintained at a value of not less than 1 gallon per minute at all times when the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure at the inlet of the scrubber, the scrubber water recirculation flow rate and make-up water flow rate into the scrubber while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. the static pressure at the inlet of the scrubber, in inches of water, on a once per day basis;
 - b. the scrubber water recirculation flow rate, in gallons per minute and the scrubber water make- up flow rate, in gallons per minute, on a once per day basis; and
 - c. the operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
2. The permittee shall collect and record the following information each month for the entire facility:
 - a. for all epitaxial reactors, the amount of hydrogen chloride (HCl) used (input), in pounds;
 - b. for all epitaxial reactors, the amount of HCl released from the reaction of trichlorosilane,

in pounds;

- c. for all epitaxial reactors, the amount of controlled emissions of each HAP, in tons;
- d. for all emissions units, the amount of any other material used which contains HAPs, in tons;
- e. for all emissions units, the individual HAP content for each HAP of each material used, in percent by weight (ton HAP/ton material);
- f. the total individual HAP emissions for each HAP from all materials employed, in tons per month [for each HAP the sum of c. plus (d. times e.)];
- g. the total combined HAP emissions from all materials employed, in tons per month (the sum of all HAPs as calculated in f.);
- h. the updated rolling, 12-month summation of each individual HAP emissions, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months. For the first twelve calendar months following the issuance of the permit, this shall be a cumulative total for all months since the issuance of the PTI; and
- i. the updated rolling, 12-month summation of total combined HAP emissions, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months. For the first twelve calendar months following the issuance of the permit, this shall be a cumulative total for all months since the issuance of the PTI.

* A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Hamilton County Department of Environmental Services contact. This information does not have to be kept on a individual emissions unit basis.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
 - a. the static pressure at the scrubber inlet;
 - b. the scrubber water recirculation flow rate; and
 - c. the scrubber water make-up flow rate.

Sumi**PTI /**Emissions Unit ID: **P018****Issued: To be entered upon final issuance**

2. The permittee shall notify the Hamilton County Department of Environmental Services of any exceedance of the HAP emissions limitations set forth in this permit. The permittee shall submit annual reports which identify all exceedances of these limitations, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the reporting period then a report is required stating so.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

Sumi**PTI**Emissions Unit ID: **P018****Issued: To be entered upon final issuance****E. Testing Requirements**

1. Emissions Limitations

0.014 lb/hr HCl

0.06 TPY HCl

The HCl emissions shall be determined by taking the amount of HCl used per hour in the process and adding to it the amount of trichlorosilane used times 0.8 (amount of trichlorosilane which is available to convert to HCl). The resulting number is then multiplied by 1 - 0.99 (scrubber control efficiency) to obtain the hourly HCl emission rate. The annual HCl emissions shall be a summation of the hourly emissions.

2. Compliance with the visible emissions limitation outlined in T&C A.1. shall be demonstrated by Method 9 of 40 CFR Part 60, Appendix A.
3. Compliance with the HAPs emissions limits outlined in T&C A.2.b. shall be demonstrated by the recordkeeping requirements in T&C C.2.
4. Compliance with the operational restrictions for the wet scrubber in T&Cs B.1., B.2., and B.3. shall be demonstrated by the recordkeeping requirements in T&Cs C.1.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The following terms and conditions of this permit are federally enforceable: A.2.a - A.2.c, B.1 - B.3, C.1, C.2, D.1 - D.3, E.1 - E.4.

NEW SOURCE REVIEW FORM B

PTI Number: 14-04906 Facility ID: 1483080196

FACILITY NAME Sumitomo Sitix Silicon

FACILITY DESCRIPTION ASM #62 Epitaxial Reactor with wet scrubber. CITY/TWP Maineville

SIC CODE 3674 SCC CODE 3-99-999-99 EMISSIONS UNIT ID P018

EMISSIONS UNIT DESCRIPTION ASM #63 Epitaxial Reactor with wet scrubber

DATE INSTALLED April 3, 2000

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.014 lb/hr HCl as acid mist	0.06 TPY HCl as acid mist	0.014 lb/hr HCl as acid mist	0.06 TPY HCl as acid mist
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**Enter Determination** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a wet scrubber, compliance with the HCl emissions limits and compliance with the facility-wide HAPs emissions limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$37000

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES NOIDENTIFY THE AIR CONTAMINANTS: Modeling not performed because actual emissions < 1 TPY.

NEW SOURCE REVIEW FORM B

PTI Number: 14-04906 Facility ID: 1483080196

FACILITY NAME Sumitomo Sitix Silicon

FACILITY DESCRIPTION	ASM #62 Epitaxial Reactor with wet scrubber.	CITY/TWP	Maineville
----------------------	--	----------	------------

Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):

NONE

Please provide any additional permit specific notes as you deem necessary:

Permit to Install Narrative
PTI 14-04906

Sumitomo Sitix Silicon
537 Grandin Road
Maineville, Ohio 45039

PN:1483080196

Sumitomo Sitix Silicon began construction of the ASM #62 epitaxial reactor with wet scrubber (P018) in April 2000. This reactor will produce silicon epitaxial wafers by chemical vapor deposition. Unlike the permittee's other reactors, the ASM #62 reactor will produce a single wafer at a time and will not be tied in to the permittee's central scrubber system and hydrogen recovery unit.

The emissions unit will emit hydrochloric acid (HCl) as an acid mist (PM). HCl is also classified as a Hazardous Air Pollutant (HAP). In combination with the other reactors and emissions units at Sumitomo, the uncontrolled HCl emissions exceed 10 Tons per Year. Therefore, the facility will accept HAPs emissions limits of 10 TPY for any single HAP and 25 TPY for total HAPs as a condition of this PTI. The permittee will keep records of the rolling, 12-month HAPs emissions.

The permittee will operate P018 with a three-stage wet scrubber to control the HCl emissions. The scrubber consists of a Venturi, a packed bed, and a spray chamber. The use of the scrubber on P018, and the use of scrubbers on the other emissions units, will allow the company to maintain Synthetic Minor status for HAPs emissions. As conditions of this permit, Sumitomo will monitor the scrubber inlet static pressure, the scrubber water make-up flow rate, and the flow of the recirculation scrubber liquor in order to demonstrate compliance. Since the emissions unit will emit less than 1 TPY of HCl, this permit does not include Air Toxics Modeling.

Applicable regulations: OAC rules 3745-17-07(A)(1), 17-11(B), 31-05(A)(3)

BAT: Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a wet scrubber, compliance with the HCl emissions limits and compliance with the facility-wide HAPs emissions limits.

Emissions: Actual Emissions = Allowable Emissions; 0.014 lb/hr HCl, 0.06 TPY HCl

PTI fee: Since the permittee started construction prior to receipt of the final PTI, Sumitomo shall be charged twice the regular PTI fee.

NEW SOURCE REVIEW FORM B

PTI Number: 14-04906 Facility ID: 1483080196

FACILITY NAME Sumitomo Sitix Silicon

FACILITY DESCRIPTION	ASM #62 Epitaxial Reactor with wet scrubber.	CITY/TWP	Maineville
----------------------	--	----------	------------

PWR (0 - 1000 lbs/hr) Fee = \$200 x 2 = \$400

Prepared by: Kurt Smith
Date prepared: May 2, 2000**Permit To Install Synthetic Minor Write-Up**Sumitomo Sitix Silicon, Inc.
PTI 14-04906A. Emission Unit Description

Sumitomo Sitix has applied for a Permit to Install for an ASM #62 epitaxial reactor with wet scrubber. This emissions unit (P018) will produce epitaxial silicon wafers.

B. Facility Emissions and Attainment Status

Hydrochloric acid (HCl) emissions, as an acid mist, will occur in small quantities from this controlled emissions unit. HCl is classified as a Hazardous Air Pollutant. Warren County is designated as primary non-attainment for ozone only.

C. New Source Emissions

The Uncontrolled Potential to Emit (PTE) HCl from P018 is 6.13 TPY HCl. The uncontrolled PTE of HCl from all emissions units at the facility is 331 TPY HCl and the uncontrolled PTE of hydrogen fluoride (HF) from all emissions units at the facility is 85 TPY HF. The Controlled PTE (allowable) HCl from P018 is 0.06 TPY HCl.

This synthetic minor permit will limit the HAPs emissions from the facility to less than 10 TPY for any single HAP and 25 TPY of combined HAPs, based on rolling, 12-month summation. The facility will maintain records of control device operating parameters and actual HAPs emissions in order to demonstrate compliance.

D. Conclusion

Sumitomo Sitix Silicon, Inc. will maintain rolling, 12-month records of the HAPs emissions from the entire facility. The requirements in this federally enforceable PTI will allow the facility to avoid being major for MACT and non-major for the Part 70 Title V permit regulations .

Prepared by: Kurt Smith
Date prepared: May 2, 2000

NEW SOURCE REVIEW FORM B

PTI Number: 14-04906 Facility ID: 1483080196

FACILITY NAME Sumitomo Sitix Silicon

FACILITY DESCRIPTION ASM #62 Epitaxial Reactor with wet scrubber. CITY/TWP Maineville

Please fill in the following for this permit:

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant

Tons Per Year

HCl

0.06