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Website
www.abcwua.org

Compliance Division
NPDES Pretreatment Program
4201 Second Street SW
Albuquerque, New Mexico 87105

July 12, 2024

Intel Corporation
4100 Sara Rd, M/S RR5-465
Rio Rancho, NM 87124-1025
ATTN: Mindy Koch, NM Site CS Site Manager

Permit No.: 2021A

Dear Permittee:

Your facility, referred to above, is authorized to discharge wastewater to the Albuquerque Bernalillo County Water Utility Authority (Water Authority) sanitary sewer system in compliance with the Water Authority Sewer Use and Wastewater Control Ordinance and any applicable provisions of Federal or state law, regulations, monitoring requirements, or other conditions.

Enclosed is a short-term Wastewater Discharge Permit Authorization for this facility specifying the new effective expiration dates and updated process discharge flow. All conditions in the previous permit still stand until an updated permit can be established. This Authorization in conjunction with Parts I-V of the previous permit are the whole permit.

The permittee shall work with the Industrial Pretreatment Engineer to finalize the determination of permit discharge limits that are protective of the Max Allowable Industrial and Headworks Loading at Southside Water Reclamation Plant.

The Water Authority will conduct routine inspections of your facility and monitor your discharge to verify compliance with the requirements in your permit.

If you have any questions concerning this matter, please do not hesitate to call or email me at 505-289-3439 or tpeacock@abcwua.org.

Sincerely,

Travis A. Peacock, P.E.
Industrial Pretreatment Engineer

Enclosures

cc: File



Albuquerque Bernalillo County
Water Utility Authority

COMPLIANCE DIVISION
INDUSTRIAL PRETREATMENT

WASTEWATER DISCHARGE PERMIT

4201 SECOND STREET, SW
ALBUQUERQUE, NEW MEXICO 87105

Authorization to discharge under the Sewer Use and Wastewater Control Ordinance

Permit No. 2021A
Intel Corporation
4100 Sara Rd, M/S RR5-465
Rio Rancho, NM 87124-1025

is authorized to discharge wastewater into the Water Authority's sanitary sewer in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit at the following location:

1600 Rio Rancho Blvd. M/S RR5-491
Rio Rancho, NM 87124-1025

Regulated Waste Offsite Disposal: Yes
EPA Categorical Pretreatment Standards Applicable: Yes
Significant Industrial User: Yes
Pretreatment: Yes
Category: SEMICONDUCTOR
Part: 469.A Standards: PSES Discharge: 1.9 MGD AVG, 2.4 MGD MAX
Product/Service: MANUFACTURE OF SILICON WAFERS WITH INTEGRATED CIRCUITS
SIC Code No.(s): 3674
Zone Atlas Map No.: A-13
Special Provisions: Yes

This permit shall become effective on July 15th, 2024 and the authorization to discharge shall expire at midnight October 31st, 2024.

Signed this 12th day of July 2024

Travis A. Peacock, P.E.
Industrial Pretreatment Engineer

SIGNATURE CONFIRMATION: 7017 3040 0000 7357 1894

Chair

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Website
www.abcwua.org

August 14, 2019

Intel Corporation
4100 Sara Rd., M/S RR5-465
Rio Rancho, NM 87124-1025
ATTN: Mindy Koch, NM Site CS Site Manager

Permit No.: 2021A

Dear Permittee:

Your facility, referred to above, is authorized to discharge wastewater to the Albuquerque Bernalillo County Water Utility Authority (Water Authority) sanitary sewer system in compliance with the Water Authority Sewer Use and Wastewater Control Ordinance and any applicable provisions of Federal or state law, regulations, monitoring requirements, or other conditions.

Enclosed is the Wastewater Discharge Permit for this facility. This permit is granted in accordance with the application filed in the office of the Industrial Pretreatment Engineer along with other data submitted to the Authority in support of the application. Please refer to the permit number in all future correspondence.

Read your permit carefully and initiate any monitoring, reporting, or other compliance required in Parts II, III, IV, and the Endorsements. The first semi-annual report (SA) for this permit should be prepared and submitted as described in Part III, Paragraphs 4 and 5.

The Water Authority will conduct routine inspections of your facility and monitor your discharge to verify compliance with the requirements in your permit. If you have any questions concerning this matter, please call Travis Peacock, Industrial Pretreatment Engineer at 505-289-3439 or email at tpeacock@abcwua.org.

Sincerely,



Mark Kelly, P.E.
Compliance Division Manger

Enclosures

cc: File



**COMPLIANCE DIVISION
INDUSTRIAL PRETREATMENT**

WASTEWATER DISCHARGE PERMIT

4201 SECOND STREET, SW
ALBUQUERQUE, NEW MEXICO 87105

Authorization to discharge under the Sewer Use and Wastewater Control Ordinance

Permit No. 2021A
Intel Corporation
4100 Sara Rd, M/S RR5-465
Rio Rancho, NM 87124-1025

is authorized to discharge wastewater into the Water Authority's sanitary sewer in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit at the following location:

1600 Rio Rancho Blvd. M/S RR5-491
Rio Rancho, NM 87124-1025

Regulated Waste Offsite Disposal: Yes
EPA Categorical Pretreatment Standards Applicable: Yes
Significant Industrial User: Yes
Pretreatment: Yes
Category: SEMICONDUCTOR
Part: 469.A Standards: PSES Discharge: 1,580,000 (GPD)
Product/Service: MANUFACTURE OF SILICON WAFERS WITH INTEGRATED CIRCUITS
SIC Code No.(s): 3674
Zone Atlas Map No.: A-13
Special Provisions: Yes

This permit shall become effective on August 14, 2019 and the authorization to discharge shall expire at midnight July 15, 2024.

Signed this 14th day of August, 2019

A handwritten signature in blue ink that reads 'Mark Kelly'.

Mark Kelly, P.E.
Compliance Division Manager

Permit No. 2021A

PART I WASTEWATER DISCHARGE LIMITATIONS AND LOCATIONS

SECTION A. EFFLUENT LIMITS AND SPECIAL PROVISIONS

1. Local Limits - Ordinance: Water Authority Sewer Use and Wastewater Control Ordinance
2. Special Provisions:

<u>Endorsement</u>	<u>Description</u>
A52	40 CFR 469.16
CE	SPECIAL WASTESTREAM POLLUTANT LIMITATION (SA)
CN	CYANIDE CERTIFICATION (SA)
ES	EXTRA STRENGTH SURCHARGE
FM6	AVERAGE & DAILY EFFLUENT FLOW MONITORING (SA)
GS	GREASE, SAND AND OIL (SA)
HAPS	HAZARDOUS AIR POLLUTANTS CERTIFICATION (SA)
HZ3	HAZ WASTE PERMIT 2021A (SA)
PH3	pH MONITORING PERMIT 2021A (SA)
RC	REPORTING CERTIFICATION (SA)
SM	CIU/SIU SELF MONITORING REQUIREMENTS PER 40CFR 403.12(n)
SWSP	SPECIAL WASTESTREAM POLLUTANT LIMITATIONS PERMIT 2021 (SA)
TC3	TOMP CERTIFICATION STATEMENT (SA)
TR6	TOXIC ORGANIC (SOLVENT) MGMNT PLAN
WM	WASTE MINIMIZATION (SA)

SECTION B. WATER ACCOUNTS AND SAMPLING POINTS

1. Water and/or Sewer Account Number(s):
4466579560

2. Sampling Point Type, Location and Applicable Limits:

Monitoring Point: 2021A

Description: VAULT AT SW CORNER OF PROPERTY, E OF NM 528, NORTH OF COUNTY LINE

Discharge Limits: SUO and Endorsements

Discharge Type: Continuous

PART II MONITORING REQUIREMENTS

The Permittee is not required to perform the chemical analyses of the discharge unless specified in the ENDORSEMENTS included in this permit. The Water Authority will analyze the discharge from the Permittee's facility to determine compliance with any interim limits, the Sewer Use and Wastewater Control Ordinance and, if applicable, the Code of Federal Regulations, whichever is more stringent. This does not preclude the Permittee from performing sampling and analysis.

PART III REPORTING REQUIREMENTS

1. The Permittee shall notify the Water Authority immediately of any accidental or slug discharge to the sanitary sewer as outlined in the Accidental Spill section of the Sewer Use and Wastewater Control Ordinance. Formal notification, including circumstances and remedies, shall be submitted to the Water Authority within five (5) working days of the event.
2. The Permittee shall notify the Water Authority prior to the introduction of new wastewater or pollutants, or upon any substantial change in the volume, location or characteristics of any process discharge. Formal written notification shall be received and approved by the Industrial Pretreatment Engineer at least 15 days prior to such introduction.
3. The Permittee shall notify the Industrial Pretreatment Engineer within 24 hours of becoming aware of any violation of the concentration limits listed in this permit or in the Sewer Use and Wastewater Control Ordinance. The Industrial Pretreatment Engineer shall notify the Permittee of any additional monitoring requirements resulting from any violation.
4. The Permittee is required to submit to the Water Authority semi-annual (SA) reports addressing the requirements listed in ENDORSEMENT(S): **CE, CN, FM6, GS, HAPS, HZ3, PH3, RC, SWSP, TC3, & WM.**

5. The semi-annual reports shall be submitted each year by the following dates:

July 31 - for the reporting period January through June
January 31 - for the reporting period July through December

The first report for THIS PERMIT is due by January 31, 2020, and shall cover the period from July 1, 2019 through December 31, 2019. If the Permittee cannot submit any report when due, the Industrial Pretreatment Engineer must be notified of the reason for the delay before the due date and the date by which the report will be submitted.

6. The Permittee must meet the additional reporting requirements defined in ENDORSEMENT(S):
TR6-EVERY 2 YRS

7. All submittals and reports shall be delivered to the following:

Southside Water Reclamation Facility
4201 2nd Street, SW
Albuquerque, New Mexico 87105
Attn: Industrial Pretreatment Engineer

PART IV STANDARD CONDITIONS

1. Prohibited Pollutant Discharges

The Permittee shall comply with the requirements for Prohibited Pollutants in the Sewer Use and Wastewater Control Ordinance.

2. Right of Entry

The Permittee shall allow the Industrial Pretreatment Engineer, or his/her authorized representative, to enter upon the premises of the Permittee immediately upon presentation of proper identification. Such entry shall be for the purposes of facility and/or records inspection or sampling. Entry shall be allowed at all reasonable hours, including any time that any process is active which results in a waste discharge to the Water Authority sanitary sewer system.

3. Records Retention

The Permittee shall retain and preserve for not less than three (3) years all records, books, documents, reports, memoranda, phone calls, correspondence, and summaries thereof, relating to monitoring, sampling, or chemical analysis made by, or on behalf of, the Permittee with respect to process waste discharges. All records that pertain to matters that are the subject of special orders, or any other enforcement or litigation activities brought by the Water Authority, shall be retained and preserved by the Permittee until all enforcement activities have concluded and all periods of limitation for any and all appeals have expired. The Permittee shall make records available for inspection and copying.

4. Confidential Information

Except for data determined to be confidential as defined in the Sewer Use and Wastewater Control Ordinance, all reports required under this permit shall be available for inspection at the office of the Industrial Pretreatment Engineer.

5. Recording of Results

The following information shall be recorded for all measured samples taken in conjunction with the endorsements of this permit:

- a. The exact person(s) performing sampling.
- b. The location, date, and time of sampling.
- c. The dates that all analyses were performed.
- d. The person(s) performing the analyses.
- e. The analytical techniques or methods used.
- f. The results of all analyses.

6. Dilution

The Permittee shall not increase the use of potable or process water or, in any way attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

7. Proper Disposal of Hazardous Substances and Pretreatment Wastes

The holding, shipment and disposal of hazardous substances and pretreatment wastes shall be in accordance with Section 405 of the Clean Water Act and Subtitles C and D of Resource Conservation and Recovery Act (RCRA).

8. Signatory Requirements

All reports required by this permit shall be signed by the Authorized Representative.

9. Revocation of Permit

The permit issued to the Permittee by the Water Authority may be revoked when, after inspection, monitoring, or sample analysis, it is determined that federal, state, or local laws, ordinances, or regulations are being violated. Falsification or intentional misrepresentation of data or statements pertaining to the permit application or any other required reporting form may also be cause for permit revocation.

10. Limitation on Permit Transfer

This Wastewater Discharge Permit is issued to the Permittee and is not assignable to another user or transferable to any other location without the prior written approval of the Water Authority. Transfer of ownership of the permitted facility shall obligate the purchaser to seek written approval by the Water Authority prior to any discharge of waste to the Water Authority sanitary sewer system.

11. Falsifying Information or Tampering with Monitoring Equipment

Knowingly making any false statement on any report or other document required by this permit, or knowingly rendering any device or method inaccurate may result in punishment under the criminal laws of the Water Authority as well as civil penalties and relief as available.

12. Modification or Revision of the Permit

- a. The terms and conditions of this permit may be subject to modification or revision by the Water Authority at any time that limitations and requirements in the Sewer Use and Wastewater Control Ordinance are modified, or with other just cause.
- b. This permit may be modified to incorporate conditions resulting from an enforcement action.
- c. The terms and conditions of this permit may be modified in response to new federal pretreatment standards promulgated by the U.S. Environmental Protection Agency (EPA).
- d. Any permit modification which results in new conditions shall include a reasonable time schedule for compliance.

13. Duty to Reapply

A Permittee may apply for the reissuance of an expiring wastewater discharge permit by submitting a complete permit application in accordance with § 3-4-4 of the Water Authority Sewer Use and Wastewater Control Ordinance, not less than thirty (30) days prior to the expiration of the Permittee's existing wastewater discharge permit.

14. Severability

The provisions of this permit are severable. If any provision of the permit, or application of the provision to a given circumstance, is judged invalid, the application of the provision to other circumstances, and the remainder of this permit, shall not be affected.

15. Property Rights

The issuance of this permit does not convey any property rights, real or personal, or any exclusive privileges. It does not authorize any invasion of personal rights and does not preempt any federal, state, or local regulations.

16. Penalties for Violations

Failure to comply with this permit and/or the Sewer Use and Wastewater Control Ordinance, may subject the Permittee to enforcement actions prescribed by the said Ordinance and/or applicable actions outlined in the Water Authority's EPA approved Enforcement Response Plan (ERP). Based on the nature of non-compliance, enforcement actions may include: Notice of Violations, Regulatory Compliance Schedules, Fines, Administrative Assessments, Administrative Orders, Civil Action, Permit Revocation and/or Termination Of Service. A copy of the Sewer Use and Wastewater Control Ordinance is provided with this permit. A copy of the ERP will be provided to the Permittee upon request and is also given to the Permittee in the event non-compliance escalates to require a Conciliation Meeting.

17. Prohibition of Bypass of Permitted Pretreatment Facilities

Bypass of permitted pretreatment facilities is prohibited except under any of the following conditions:

- a. If it is for essential maintenance to assure efficient operation and it does not cause effluent limitations to be exceeded;
- b. If it is unavoidable to prevent loss of life, personal injury or severe property damage; or
- c. If it is approved in advance by the Industrial Pretreatment Engineer.

ENDORSEMENT A52

40 CFR 469 CATEGORICAL DISCHARGE LIMITS
ELECTRICAL & ELECTRONIC COMPONENTS
SUBPART A - SEMICONDUCTOR
469.16 Pretreatment Standards for Existing Sources (PSES)

COMPLIANCE REQUIREMENT: The Permittee shall comply at all times with the Code of Federal Regulations, 40 CFR Part 469.A.16, Pretreatment Standards for Existing Sources (PSES).

40 CFR 469.A.16 PSES Categorical Discharge Limits for Semiconductor Manufacture are as follows:

Pollutant	Daily Maximum Limit	Monthly Average Limit
TTO ¹	1.37 mg/L	n/a

¹Total Toxic Organics

In lieu of monitoring for TTO, the Permittee must fill out the certification statement in endorsement TC3.

MONITORING REQUIREMENT: None required by the Permittee.

REPORTING REQUIREMENT: TC3 certification in semi-annual report.

Replaced by revised endorsement, effective July, 8, 2020. New CE Endorsement is located at the end of this Permit.

ENDORSEMENT CE

SPECIAL WASTESTREAM POLLUTANT LIMITATIONS FOR PERMIT 2021

COMPLIANCE REQUIREMENT:

The concentration of Cerium at the permitted sampling point shall not exceed the discharge limits shown below:

POLLUTANT	MAXIMUM FOR ANY 1-DAY	MONTHLY AVERAGE
Cerium	12.0 mg/L	3.0 mg/L

All analysis must be performed using EPA approved methods as approved by Industrial Pretreatment Program (Pretreatment).

A higher limit may be considered later date if not listed at the Southside Water Reclamation Plant (SWRP) with the permit and biosolids.

Intel will continue to cover the all treatment and Intel sampling of Cerium.

MONITORING REQUIREMENT:

The Permittee is required to sample the site discharge for the above pollutant weekly (once per month) at the permitted sample point. Sample to be taken using 24-hour composite.

REPORTING REQUIREMENT:

The Permittee is required to report weekly sample data monthly (once per month) to the treatment. Permittee is required to include this data in their Semi-Annual Report of the "Special Wastewater Report".

After the initial monitoring period (July – December 2019) monitoring permittee will review production and current/future production on-site to re-evaluate discharge limits, monitoring and reporting requirements. Until an official endorsement has been made, all compliance, monitoring and reporting requirements remain in effect.

ENDORSEMENT CN

CYANIDE CERTIFICATION

COMPLIANCE REQUIREMENT: See below.

MONITORING REQUIREMENT: None required by the Permittee.

REPORTING REQUIREMENT: The Permittee shall report either the presence or absence of Cyanide compounds on the premises during the reporting period. Example CYANIDE CERTIFICATION STATEMENTS are shown below. The Permittee shall submit the appropriate certification statement shown below with each semi-annual report submittal.

* * * *

CYANIDE CERTIFICATION STATEMENT (CYANIDE NOT PRESENT)

I hereby certify that no cyanide compounds are stored or used on the premises at this time and that no cyanide compounds were stored or used on the premises during the current permit reporting period. I further certify that the presence of any cyanide compound on the premises shall be reported to the Industrial Pretreatment Engineer (289-3439) within 24 hours of receipt of the compound, regardless of the intended use or disposition of the material.

Facility Name: _____

Permit No.: _____ Date: _____

Signature: _____ Title: _____

Authorized Representative

* * * *

CYANIDE CERTIFICATION STATEMENT (CYANIDE PRESENT)

I hereby certify that cyanide compounds were stored or used on the premises during the current permit reporting period.

Facility Name: _____

Permit No.: _____ Date: _____

Signature: _____ Title: _____

Authorized Representative

ENDORSEMENT ES

EXTRA STRENGTH SURCHARGE

COMPLIANCE REQUIREMENT: The Permittee will be required to pay for the additional costs to treat wastewater containing BOD, COD, Ammonia or TSS in excess of the strengths established for normal domestic wastewater in the Sewer Use and Wastewater Control Ordinance. The strength of the wastewater from the permitted facility will be determined from samples collected during routine Albuquerque Bernalillo County Water Utility Authority monitoring. Assessment of surcharges, if any, will be done by the Customer Services Division.

MONITORING REQUIREMENT: None required by the Permittee.

REPORTING REQUIREMENT: None required by the Permittee

ENDORSEMENT FM6

AVERAGE AND DAILY EFFLUENT FLOW MONITORING

COMPLIANCE REQUIREMENT: The Permittee must meet the requirements of 40 CFR 403.12(e)(1), and shall submit to the Pretreatment Program, along with the semi-annual report during the months of January and July, a report which shall include a record of measured or estimated average and maximum daily flows of the effluent from this facility for the reporting period. The report shall also include a copy of this endorsement, with the relevant information filled in below.

The Pretreatment Program may allow for verifiable estimates of these flows, where justified by cost or feasibility considerations.

MONITORING REQUIREMENT: Average and maximum daily flows of all regulated process streams and, as necessary, other effluent streams from the facility.

REPORTING REQUIREMENT: The Permittee shall submit information showing the measured average daily and maximum daily flow, in gallons per day to the Pretreatment Program from each of the following:

1. Regulated process streams; and
2. Other streams as necessary to allow use of the Combined Wastestream Formula.

The Permittee shall submit flowmeter calibration documentation with the semi-annual reports.

Average Daily Flow: _____ gallons per day

Peak Daily Flow: _____ gallons per day

Peak Daily Flow occurred on: _____ date

ENDORSEMENT GS

GREASE TRAPS, SAND TRAPS AND OIL/WATER SEPARATORS

COMPLIANCE REQUIREMENT: Facilities with grease traps, sand traps or oil/water separators shall periodically inspect the operation of these devices and remove accumulated grease, sand, oil or grit as required to prevent discharge of such pollutants (or materials) to the sanitary sewer.

MONITORING REQUIREMENT: The Permittee shall perform periodic inspections, as required, to assure timely removal of accumulated materials.

REPORTING REQUIREMENT: The Permittee shall document in each semi-annual report the method used to dispose of materials removed from grease traps, sand traps or oil/water separators. This must include a narrative statement, along with copies of the manifest forms for each material removed from the Permittee's facility during the reporting period. If no materials are removed during the reporting period, a statement of that fact must be submitted. Sample statements are provided below.

* * * *

GREASE, SAND, OIL OR GRIT SHIPPING CERTIFICATION STATEMENT – NO SHIPMENTS

I hereby certify that the permitted facility HAS active grease traps, sand traps or oil/water separators and NO shipments of accumulated grease, oil, sand or grit have occurred during this reporting period.

Facility Name: _____
Permit No.: _____ Date: _____
Signature: _____ Title: _____
Authorized Representative

* * * *

GREASE, SAND, OIL OR GRIT SHIPPING CERTIFICATION STATEMENT - SHIPMENTS

I hereby certify that the permitted facility HAS active grease traps, sand traps or oil/water separators and shipments of accumulated grease, oil, sand or grit HAVE occurred during this reporting period. Copies of manifests are attached.

Facility Name: _____
Permit No.: _____ Date: _____
Signature: _____ Title: _____
Authorized Representative

ENDORSEMENT HAPS

HAZARDOUS AIR POLLUTANTS CERTIFICATION

COMPLIANCE REQUIREMENT: The Permittee shall not use the treatment and controls located at the POTW to comply with its National Emission Standards for Hazardous Air Pollutants (NESHAP).

MONITORING REQUIREMENT: None required by the Permittee.

REPORTING REQUIREMENT: The Permittee shall submit the appropriate certification statement shown below with each semi-annual report submittal.

* * * *

NESHAP CERTIFICATION STATEMENT

I hereby certify that this facility does not use the treatment and controls located at the POTW to comply with its NESHAP.

Facility Name: _____

Permit No.: _____ Date: _____

Signature: _____ Title: _____

Authorized Representative

ENDORSEMENT HZ3

HAZARDOUS SUBSTANCES AND PRETREATMENT WASTES
FOR PERMIT # 2021A

COMPLIANCE REQUIREMENT: The permittee shall insure that: 1) all pretreatment processes are handled in accordance with applicable Resource Conservation and Recovery Act (RCRA) regulations, 2) no materials removed by a pretreatment process are reintroduced into the wastestream, and, 3) hazardous substances stored on-site are not discharged to the sanitary sewer. In other words, disposal of pretreatment wastes or hazardous substances into the sanitary sewer is strictly forbidden.

MONITORING REQUIREMENTS: None required by the Permittee.

REPORTING REQUIREMENTS: The permittee shall document in each semi-annual report, the method used to dispose of materials removed by the pretreatment process and/or hazardous substances stored on-site. This must include a narrative statement, along with a summary of all hazardous materials generated from the New Mexico site for the reporting period. All original manifests are to be maintained in the permittee's regulatory files and be available to the Water Authority upon request. If no hazardous substances or pretreatment wastes are removed during the reporting period, a statement of that fact must be submitted. Sample statements are provided.

* * * *

HAZARDOUS SUBSTANCES AND PRETREATMENT WASTES CERTIFICATION
STATEMENT

I hereby certify that NO shipments of hazardous substances or pretreatment wastes have occurred during this reporting period.

Facility Name: _____

Permit No.: _____ Date: _____

Signature: _____ Title: _____
Authorized Representative

US EPA ID. No. _____ (IF APPLICABLE)

* * * *

HAZARDOUS SUBSTANCES AND PRETREATMENT WASTES CERTIFICATION
STATEMENT

I hereby certify that shipments of hazardous substances or pretreatment wastes HAVE occurred during this reporting period. A summary of these shipments has been included with this report.

Facility Name: _____

Permit No.: _____ Date: _____

Signature: _____ Title: _____

Authorized Representative

US EPA ID. No. _____ (IF APPLICABLE)

ENDORSEMENT PH3

2021A pH MONITORING

COMPLIANCE REQUIREMENT: The Permittee is required to maintain a system to monitor the pH of the effluent from each acid waste neutralization unit continuously. This monitoring is required for information purposes only. The Permittee is required to maintain a system to monitor the pH of the effluent from the site outfall continuously. Compliance with the pH limit this permit will be determined at the designated sampling point at the site outfall.

MONITORING REQUIREMENT: See above.

REPORTING REQUIREMENT: The Permittee shall notify the Industrial Pretreatment Engineer within 24 hours of becoming aware of a pH excursion at the Site Vault lasting more than 60 minutes including circumstances and corrective action taken.

The Permittee shall include with each semi-annual report, the results of pH monitoring conducted at the permit sample point during the reporting period. Results reported must include:

- 1) Daily maximum and time of occurrence.
- 2) Daily minimum and time of occurrence.
- 3) Duration in minutes of each individual excursion above or below limits set in this permit. Limits are those stated in the Ordinance unless otherwise noted.

As noted in 40 CFR 401.17

- 1) The total time during which the pH values are outside the required range of pH values shall not exceed seven (7) hours and 26 minutes in any calendar month.
- 2) No individual excursion from the range of pH values shall exceed 60 minutes.

ENDORSEMENT RC

REPORTING CERTIFICATION

COMPLIANCE REQUIREMENT: The Permittee is required to certify all materials and information submitted with semi-annual reports is accurate and complete.

MONITORING REQUIREMENT: None

REPORTING REQUIREMENT: The Permittee must complete, sign and submit the Reporting Certification (shown below) with each semi-annual report.

* * * * *

REPORTING CERTIFICATION

Facility Name: _____

Permit Number: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

(Signature)

Authorized Representative

Title

Date

ENDORSEMENT SM

SELF-MONITORING

COMPLIANCE REQUIREMENT: Per 40 CFR 403.12(n) the Permittee is required to submit all test results from self-monitoring sampling meeting the following criteria:

- Obtained at the designated sample site;
- Obtained through appropriate sampling techniques; and
- Analyzed in accordance with the procedures established in 40 CFR 136.

MONITORING REQUIREMENT: The Permittee is not required to sample the effluent flow because the Water Authority monitors. However, if the Permittee does sample and meets the above criteria, results must be submitted.

REPORTING REQUIREMENT: Within 14 days after the Permittee becomes aware of sample results meeting the Compliance Requirement above, or 24 hours after the Permittee becomes aware of sample results indicating a violation of the Wastewater Discharge Permit, the Permittee is required to submit the following:

- The date, exact place, method, and time of sampling and the names of the person or persons taking the samples;
- The dates analyses were performed;
- Who performed the analyses;
- The analytical techniques/methods used; and
- The results of such analyses.

The Permittee subject to the reporting requirements established in this section shall retain for a minimum of three (3) years any records of monitoring activities and results, and shall make such records available for inspection and copying. This period of retention shall be extended during the course of any unresolved litigation regarding the Permittee or Water Authority or when requested by the Industrial Pretreatment Engineer.

NOTE: Split samples between the Permittee and the Water Authority, which meet the Compliance Requirement, will be averaged. All other samples, which meet the Compliance Requirement, will be used as individual sampling events. All samples, which meet the Compliance Requirement, will be used to determine the following:

- Violations of the Permittee's Wastewater Discharge Permit; and/or
- Significant non-Compliance (see Section 3-9-1 of the Water Authority Sewer Use and Wastewater Control Ordinance).

ENDORSEMENT SWSP

SPECIAL WASTESTREAM POLLUTANT LIMITATIONS FOR PERMIT 2021

Based on compliance with previously established limits for Ammonia, Indium, Gallium, and Platinum, the separate endorsements have been compiled into a single Special Wastestream Pollutant Limitations endorsement. CE, cerium endorsement will remain separate until compliance can be proven.

COMPLIANCE REQUIREMENT: The concentration of the following pollutants at the permitted sampling point shall not exceed the discharge limits below:

Pollutant	Maximum For Any 1-Day	Monthly Average	Monitoring Frequency
Ammonia	5,418 lbs/day	2,200 lbs/day	Weekly*
Indium	0.30 mg/L	n/a	Semi-Annually**
Gallium	3.125 mg/L	n/a	Semi-Annually**
Platinum	0.10 mg/L	n/a	Semi-Annually**

MONITORING REQUIREMENT:

*Ammonia: The permittee is required to sample the site discharge weekly (once per week) using Hach method 10031, or another method approved by the Industrial Pretreatment Engineer/Program (Pretreatment).

**Indium, Gallium, and Platinum: The permittee is required to sample the site discharge semi-annually. Each semi-annual monitoring event must be performed four (4) days in a row.

All monitoring must be conducted using a 24 hour composite sampler at the permitted sample point. All analysis shall use 40 CFR 136 EPA approved methods unless approved by Pretreatment. If the EPA method is not applicable, the permittee must submit production values and calculations in each semi-annual report that show the concentrations of the above pollutants at the site outfall.

Monitoring by the permittee may be increased at the discretion of Pretreatment

The Water Authority has the option of recouping the costs from the Permittee for Pretreatment sampling.

REPORTING REQUIREMENT: The Permittee shall notify the Industrial Pretreatment Engineer via telephone (505-289-3439) within 12 hours if any Ammonia load is greater than the monthly average limit. If the Industrial Pretreatment Engineer does not answer, the shift supervisor at the SWRP control room shall be notified (505-289-3411). If any other limit is exceeded, follow standard permit reporting requirements.

The Permittee shall report Ammonia monthly results by the 10th of each month.

The Permittee shall report on a semi-annual basis via the Semi-Annual (SA) report all "Special Wastestream Pollutants" in a single report of that title. The report shall:

- Be provided in an excel spreadsheet format with all results, flow and lbs/day load calculated and compared against limits.
- Include all client reports to be in compliance with the SM Endorsement.
- Semi-annually the Permittee shall conduct accuracy checks per the analytical method and submit the results with each semi-annual report.

ENDORSEMENT TC3

TOXIC ORGANIC MANAGEMENT PLAN CERTIFICATION STATEMENT

COMPLIANCE REQUIREMENT: The most recent TOXIC ORGANIC (SOLVENT) MANAGEMENT PLAN (TOMP) submitted by the Permittee to the Industrial Pretreatment Engineer, remains in effect. The Permittee must notify the Industrial Pretreatment Engineer, in writing, of any changes to the TOMP.

MONITORING REQUIREMENT: None required by the Permittee.

REPORTING REQUIREMENT: The Permittee shall continue to submit a TOXIC ORGANIC MANAGEMENT PLAN CERTIFICATION STATEMENT with each semiannual report. A sample certification statement has been provided below.

* * * *

TOXIC ORGANIC MANAGEMENT PLAN CERTIFICATION STATEMENT

Based upon my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan (TOXIC ORGANIC MANAGEMENT PLAN (TOMP)) submitted to the Industrial Pretreatment Engineer.

Facility Name: _____

Permit No.: _____ Date: _____

Signature: _____ Title: _____

Authorized Representative

ENDORSEMENT TR6

TOXIC ORGANIC (SOLVENT) MANAGEMENT PLAN

COMPLIANCE REQUIREMENT: The Permittee is required to submit a TOXIC ORGANIC (SOLVENT) MANAGEMENT PLAN (TOMP) to the Industrial Pretreatment Engineer **every two (2) years (years 1, 3, and 5 of permit period) and when changes to the plan occur.** The Plan shall identify all toxic organics used onsite, quantities used and stored at the facility, procedures followed to prevent discharge and spills of these materials to the sanitary sewer, and the method of disposal used in place of discharge to the sanitary sewer. **The year one (1) TOXIC ORGANIC (SOLVENT) MANAGEMENT PLAN shall be submitted to the Industrial Pretreatment Engineer no later than October 15, 2019.** It is recommended that the TOMP be posted in the facility work area.

MONITORING REQUIREMENT: None required by the Permittee.

REPORTING REQUIREMENT: The Permittee shall also submit a TOXIC ORGANIC MANAGEMENT PLAN CERTIFICATION STATEMENT with each semi-annual report. The CERTIFICATION STATEMENT is included in this permit as Endorsement TC3.

ENDORSEMENT WM

POLLUTION PREVENTION THROUGH SOURCE REDUCTION AND WASTE MINIMIZATION

COMPLIANCE REQUIREMENT: Permittees shall endeavor, whenever feasible, to reduce or eliminate otherwise polluting substances in wastestream(s) by source reduction, waste minimization or more effective pretreatment.

MONITORING REQUIREMENT: None required by the Permittee.

REPORTING REQUIREMENTS: The Permittee shall include a narrative statement with each semi-annual report describing any source reduction, waste minimization or pretreatment efforts undertaken during the reporting period. If no such efforts are undertaken, the Permittee shall include a statement to that effect in the report.

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July 8, 2020

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www.abcwua.org

Intel Corporation
4100 Sara Rd, M/S RR5-465
Rio Rancho, NM 87124-1025
ATTN: Mindy Koch, NM Site CS Site Manager

RE: PERMIT AMENDMENT

PERMIT NO: 2021A
FACILITY LOCATION: 1600 Rio Rancho Blvd., Rio Rancho, NM

Dear Ms. Koch:

Wastewater Discharge Permit #2021A has been modified by amending Cerium monitoring requirements in Endorsement CE.

Please follow the requirements in Endorsement CE for your wastewater discharge. All other terms and conditions of Wastewater Discharge Permit #2021A remain the same.

Thank you for your cooperation with the Industrial Pretreatment Program. Please contact Travis Peacock, Industrial Pretreatment Engineer at 289-3434 or tpeacock@abcwua.org, if you have any questions regarding this amendment.

Sincerely,



Mark Kelly, P.E.
Compliance Division Manager

Enclosure(s)

ENDORSEMENT CE

**SPECIAL WASTESTREAM POLLUTANT LIMITATIONS
FOR PERMIT 2021**

The monitoring frequency has been lowered from weekly to monthly, then semi-annual thereafter as there have been no issues noted at Intel's outfall or SWRP.

COMPLIANCE REQUIREMENT:

The concentration of Cerium at the permitted sampling point shall not exceed the discharge limits shown below:

POLLUTANT	MAXIMUM FOR ANY 1-DAY	MONTHLY AVERAGE	MONITORING FREQUENCY
Cerium	12.0 mg/L	3.0 mg/L	CY '20 Monthly CY '21 Semi-annual*

All analysis must be conducted using EPA approved methods or method approved by Industrial Pretreatment Engineer/Program (Pretreatment).

Intel will continue to cover all sampling costs for Pretreatment and Intel sampling of Cerium.

MONITORING REQUIREMENT: The Permittee is required to sample the site discharge for the above pollutant monthly (once per month) at the permitted sample point. Samples to be taken using 24-hour composite sampler and to be coordinated with Pretreatment for SWRP influent/effluent sampling.

* Starting in January 2021, sampling will go down to semi-annually (4-day sample event) to mirror the other special waste stream pollutants (In, Ga, Pt).

REPORTING REQUIREMENT: The Permittee is required to report monthly sample data in their Semi-Annual Report as part of the "Special Wastestream Pollutant Report".