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

March 28<sup>th</sup>, 2025

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 do not hesitate to call or email me at 505-289-3439 or [tpeacock@abcwua.org](mailto: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

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Authorization to discharge under the Sewer Use and Wastewater Control Ordinance

Permit No. 2021A  
Intel Corporation

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: 1. CIU, and 2. (a) Significant Flow over 25kgpd

Pretreatment: Yes: Acid Waste Neutralization System (AWN), Fluoride Wastewater System (HFW), Concentrated Copper Waste Treatment (CCW), Slurry Copper Waste System (SCW), Trimix Treatment System (TMXW), and Fenton Azole Wastewater Treatment (FTW).

Category: ELECTRONICAL & ELECTRIC COMPONENT SUBPART A - SEMICONDUCTOR

Part: 469.16 Standards: PSES Discharge: AVG: 1.9 MGD, Max: 2.4 MGD

Total Facility Combined Wastestream Discharge: AVG: 2.6 MGD, Max: 3.82 MGD

(Must notify if flow is planned to increase or decrease by 20% for loading evaluation)

Product/Service: MANUFACTURE OF SILICON WAFERS WITH INTEGRATED CIRCUITS

SIC Code No.(s): 3674

Zone Atlas Map No.: A-13

Special Provisions: Yes (Endorsements attached)

This permit shall become effective on April 1<sup>st</sup>, 2025 and the authorization to discharge shall expire at midnight November 30<sup>th</sup>, 2029.

Signed this 28<sup>th</sup> day of March 2025

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

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:

<b>Endorsement</b>	<b>Description</b>
A52	40 CFR 469.16
CN	CYANIDE CERTIFICATION (SA)
DC	DISCHARGE CONTROL PLAN RECEIVED
ES	EXTRA STRENGTH SURCHARGE
FM6	AVERAGE & DAILY EFFLUENT FLOW MONITORING (SA)
FOGS	FATS, OILS, GREASE AND SOLIDS REQUIREMENTS (SA)
HAPS	HAZARDOUS AIR POLLUTANTS CERTIFICATION (SA)
HZ3	HAZARDOUS & PRETREATMENT WASTE FOR 2021A (SA)
LOAD3	POLLUTANT LOADING LIMITS FOR 2021A (SA)
PFAS	PFAS MONITORING REQUIREMENTS (SA)
PH3	pH MONITORING FOR PERMIT 2021A (SA)
RC	REPORTING CERTIFICATION (SA)
SCH	PLUMBING SCHEMATIC RECEIVED
SM-INTEL	SELF MONITORING REQUIREMENTS FOR 2021A
SWSP	SPECIAL WASTSTREAMS POLLUTANT LIMITATIONS (SA)
TC3	TOMP CERTIFICATION STATEMENT (SA)
TDS	TDS MONITORING REQUIREMENTS (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:** Local Limits 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): **CN, FM6, FOGS, HAPS, HZ3, LOAD3, PFAS, PH3, RC, SWSP, TC3, TDS & 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 July 31, 2025, and shall cover the period from January 1, 2025, through June 30, 2025. 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: Updated TOMP due November 30<sup>th</sup>, 2025, 2027, & 2029.**  
**LOAD3, PFAS and TDS: Quarterly SMR**  
**SWSP: Semi-Annual SMR**
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

- a. All reports required by this permit shall be signed by the Authorized Representative.
- b. Change in Authorized Representative. Written or email notification shall be submitted to this office within 15 days detailing who the permanent/or temporary replacement of 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.

## **SPECIAL PROVISION ENDORSEMENTS**

**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 469.16 Subpart A Pretreatment Standards for Existing Sources (PSES).

40 CFR 469.16 Subpart A PSES Categorical Discharge Limits for Semiconductor Manufacture are as follows:

<b>Pollutant</b>	<b>Daily Maximum Limit</b>	<b>Monthly Average Limit</b>
TTO <sup>1</sup>	1.37 mg/L	N/A

<sup>1</sup>Total Toxic Organics

In lieu of monitoring for TTO, the Permittee must implement the Toxic Organic (Solvent) Management Plan approved by the control authority as well as submit the certification statement in endorsement TC3.

**MONITORING REQUIREMENT:** None required by the Permittee.

**REPORTING REQUIREMENT:** Submit TC3 certification in semi-annual report.

**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 DC**

DISCHARGE CONTROL PLAN UPDATE  
(SLUG CONTROL PLAN)

COMPLIANCE REQUIREMENT: The Permittee has submitted an updated DISCHARGE CONTROL PLAN (SLUG CONTROL PLAN) to the Industrial Pretreatment Engineer with the permit renewal application.

**The DISCHARGE CONTROL PLAN is approved and up to date as of the permit effective date: 04/01/2025.**

## **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 and/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 over a year during routine Albuquerque Bernalillo County Water Utility Authority monitoring. Surcharge rates can be found in the Water and Sewer Rate Ordinance and are reassessed on a routine basis. Assessment of surcharges is conducted by the Industrial Pretreatment Program (IPP) on a yearly basis and billed monthly on your water bill under "Extra Strength Surcharge" line item.

**MONITORING REQUIREMENT:** None required by the Permittee.

**REPORTING REQUIREMENT:** The Permittee shall submit a monthly flowmeter log along with a calibration report in their Semi-annual Report for the IPP to use this measured and verifiable discharge flow. Flow meter calibration/verification must be conducted at a minimum of once per year to be considered accurate and verifiable.

Alternatively, the Permittee may submit calculated wastewater discharge flow based on potable water monthly bills minus consumption of water within the facility. The consumption must be verifiable, such as via production recipes and production rates.

Estimates of flow may not be used for the purposes of calculating ESSC.

The Industrial Pretreatment Program will use your wastewater flow, if confirmed to be accurate and verifiable, to calculate the extra strength loading.

Otherwise, the IPP will use 95% of the facilities potable water meter Winter Water Average, as defined in the Water and Sewer Rate Ordinance

**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 Industrial 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 Industrial 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

Source of Flow Data (meter, calculation, estimate etc.)

\_\_\_\_\_

**ENDORSEMENT FOGS**

**FATS, OILS, GREASE AND SOLIDS DISCHARGE REQUIREMENTS**

**COMPLIANCE REQUIREMENT:** The Permittee's facility has been deemed as a Fats, Oils, Grease, and Solids (FOGS) discharger and shall comply with section 3-3-2 of the Sewer Use and Wastewater Control Ordinance and the FOGS Policy. These requirements include the installation and routine maintenance of a Grease Interceptor (Also known as an Interceptor, Clarifier, Separator, Grease Trap, Oil Water Separator, Solids Separator/Interceptor, Grease Removal System/Device). The Permittee shall periodically inspect the operation of these devices and remove accumulated FOGS 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 FOGS materials in accordance with the Ordinance and FOGS Policy.

**REPORTING REQUIREMENT:** The Permittee shall document in each semi-annual report the method used to dispose of materials removed from Grease Interceptors. 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.

\* \* \* \*

**FOGS SHIPPING CERTIFICATION STATEMENT – NO SHIPMENTS**

I hereby certify that the permitted facility HAS active grease interceptors and NO shipments of accumulated fats, oils, grease, and/or solids have occurred during this reporting period.

Facility Name: \_\_\_\_\_

Permit No.: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_  
Authorized Representative

\* \* \* \*

**FOGS SHIPPING CERTIFICATION STATEMENT - SHIPMENTS**

I hereby certify that the permitted facility HAS active grease interceptors and shipments of accumulated fats, oils, grease and/or solids 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 Publicly Owned Treatment Works (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 – NO SHIPMENTS

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

\* \* \* \*

HAZARDOUS SUBSTANCES AND PRETREATMENT WASTES CERTIFICATION  
STATEMENT - SHIPMENTS

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 LOAD3**

#### **POLLUTANT LOADING LIMITS FOR PERMIT 2021A**

Intel Corp. is the largest Industrial discharger in the Water Authority's service area discharging to the Southside Water Reclamation Plant (SWRP). As such, Intel has the highest potential to affect swings in influent pollutant loading. Due to previous issues with Ammonia at the SWRP the ammonia loading limits will remain on Intel's permit.

Due to stringent fluoride Water Quality Standards on the Rio Grande, fluoride loading to SWRP must be limited from Intel to keep SWRPs discharge from causing exceedances of these standards. Both acute (daily) and chronic (monthly) loading limits have been established based on a fair but large allocation of the current Max Allowable Industrial Loading (MAIL). These loading limits will remain in affect unless significant changes in the industrial community in the Water Authority's service area occurs. At which point re-allocation of fluoride loading will be evaluated.

**COMPLIANCE REQUIREMENT:** The Permittee is required to discharge less than the loading limits specified below:

<b>Pollutant</b>	<b>Maximum For Any 1-Day</b>	<b>Monthly Average</b>	<b>Monitoring Frequency</b>
Ammonia	5,418 lb./day	2,200 lb./day	Monthly
Fluoride	724 lb./day	230 lb./day	Monthly

**MONITORING REQUIREMENT:** The Permittee shall sample the site discharge on a monthly basis. Each monthly 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 Hach method 10031 for Ammonia and SM 4500-FC or EPA 300 for Fluoride or another method approved by the Industrial Pretreatment Engineer. Monitoring by the permittee may be increased at the discretion of the Industrial Pretreatment Engineer.

**REPORTING REQUIREMENT:** The Permittee shall notify the Industrial Pretreatment Engineer (505-289-3439) via telephone within 24 hours if Ammonia or Fluoride load is greater than the loading limits specified above. If the Industrial Pretreatment Engineer does not answer, the shift supervisor at the SWRP control room should be notified (505-289-3411).

The Permittee shall report on a quarterly basis Ammonia and Fluoride in the Quarterly Self-Monitoring Report (SMR) as specified in the SM-Intel Endorsement. In addition to the SM-Intel requirements, the following shall also be included in the Quarterly SMR:

- Provide in an excel spreadsheet format all daily results (mg/L), daily average flow (MGD), monthly average (mg/L), daily and monthly loading (lb./day) calculated and compared against limits. (Loading in lb./day shall be calculated using the average flow during each day when samples are collected, then an average of daily loads to equate the monthly average)
- Include all client reports to be in compliance with the SM Endorsement, including accreditation/certification summary and QA/QC results.
- For samples analyzed onsite, the Permittee shall conduct accuracy checks semi-annually per the analytical method and submit the results with each semi-annual report.

## **ENDORSEMENT PFAS**

### **PFAS MONITORING REQUIREMENTS**

The Water Authority has collected baseline data in anticipation of Per- and polyfluoroalkyl substances (PFAS) monitoring and point source identification requirements in the Water Authority's forthcoming NPES permit. The permittee has been identified as a permitted industrial user with known PFAS in the discharge and will be required to monitor and report on PFAS.

**COMPLIANCE REQUIREMENT:** The permittee shall sample for all 40 PFAS species as identified in EPA Method 1633.

**MONITORING REQUIREMENT:** The Permittee shall sample the site discharge on a quarterly basis. Each quarterly monitoring event must be performed four (4) days in a row.

All monitoring must be collected as grab samples using non-PFAS containing equipment. All analysis shall be run under approved EPA method 1633 (2024). Monitoring by the permittee may be increased, decreased, or ceased at the discretion of the Industrial Pretreatment Engineer.

**REPORTING REQUIREMENT:** The Permittee shall report on a quarterly basis the PFAS data via the Quarterly Self-Monitoring Report (SMR) as specified in the SM-Intel Endorsement.

In addition to the SM-Intel requirements, the following shall also be included in the Quarterly SMR:

- Provide in an excel spreadsheet format all daily results (ng/L), daily average flow (MGD) and loading (lb./day) calculated. (Load lb./day shall be calculated using the average flow during each day when samples are collected.)
- Include all client reports to be in compliance with the SM Endorsement, including accreditation/certification summary and QA/QC results.

### **ENDORSEMENT PH3**

#### **pH MONITORING FOR PERMIT 2021A**

**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 for 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 SCH**

PLUMBING SCHEMATIC

COMPLIANCE REQUIREMENT: The Permittee was required and has submitted an updated Plumbing Schematic and Process Flow Diagram (PFD) to the Industrial Pretreatment Engineer.

**The Plumbing Schematic and Process Flow Diagram are up-to-date as of permit effective date 04/01/2025**

## **ENDORSEMENT SM - INTEL**

### SELF-MONITORING REQUIREMENTS FOR PERMIT 2021A

**COMPLIANCE REQUIREMENT:** Per 40 CFR 403.12(o) 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 routinely sample the effluent flow because the Water Authority monitors, except were required in other permit endorsements. However, if the Permittee does sample and meets the above criteria, results must be submitted.

**REPORTING REQUIREMENT:** The Permittee shall report on a quarterly basis all self-monitored sampling results, including non-required or split sampling results meeting the Compliance Requirements above. The report titled "Quarterly Self-Monitoring Report" (SMR) shall be submitted via email by the last day of the month proceeding the end of each pretreatment calendar quarter. Below is a summary of these due date for each quarter:

**Q1 (July-September): October 31<sup>st</sup>**  
**Q2 (October-December): January 31<sup>st</sup>**  
**Q3 (January-March): April 30<sup>th</sup>**  
**Q4 (April-June): July 31<sup>st</sup>**

Q2 and Q4 SMRs may be included in the Semi-Annual Reports as they have the same due dates. Unless specified differently in other permit endorsements. The Permittee shall report within 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 in the Quarterly SMR:

- 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 Indium, Gallium, Platinum, and Cerium the separate endorsements have been compiled into a single Special Wastestream Pollutant Limitations endorsement with reduced monitoring.

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

<b>Pollutant</b>	<b>Maximum For Any 1-Day</b>	<b>Monthly Average</b>	<b>Monitoring Frequency</b>
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
Cerium	12.0 mg/L	3.0 mg/L	Semi-Annually

**MONITORING REQUIREMENT:**

Indium, Gallium, Platinum, and Cerium: 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.

The Water Authority has the option of recouping the costs from the Permittee for Pretreatment sampling. Monitoring by the permittee may be increased at the discretion of Pretreatment.

**REPORTING REQUIREMENT:**

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 SWSP report shall:

- Be provided in an excel spreadsheet format with all daily results (mg/L) and monthly average (mg/L) compared against limits. Daily and monthly loading (lb./day) calculated. (Loading in lb./day shall be calculated using the average flow during each day when samples are collected, then an average of daily loads to equate the monthly average)
- Include all client reports to be in compliance with the SM Endorsement, including accreditation/certification summary and QA/QC results.

**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 during this reporting period. 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 TDS**

### TDS MONITORING REQUIREMENTS

The Water Authority has collected baseline data in anticipation of Total Dissolved Solids (TDS) monitoring and potential point source identification requirements in the Water Authority's forthcoming NPES permit. The permittee has been identified as a permitted industrial user with known TDS in the discharge and will be required to monitor and report on TDS.

**COMPLIANCE REQUIREMENT:** The permittee shall sample and report for TDS.

**MONITORING REQUIREMENT:** The Permittee shall sample the site discharge on a quarterly basis. Each quarterly monitoring event must be performed four (4) days in a row.

All monitoring must be collected as grab samples. All analysis shall be run under Standard Method 2540-C 2015 or other approved EPA method. This analysis shall be completed by an accredited laboratory. Monitoring by the permittee may be increased, decreased, or ceased at the discretion of the Industrial Pretreatment Engineer.

**REPORTING REQUIREMENT:** The Permittee shall report on a quarterly basis the TDS data via the Quarterly Self-Monitoring Report (SMR) as specified in the SM-Intel Endorsement.

In addition to the SM-Intel requirements, the following shall also be included in the Quarterly SMR:

- Provide in an excel spreadsheet format, all daily results (mg/L), daily average flow (MGD) and loading (lb./day) calculated. (Load lb./day shall be calculated using the average flow during each day when samples are collected.)
- Include all client reports to be in compliance with the SM Endorsement, including accreditation/certification summary and QA/QC results.

## **ENDORSEMENT TR6**

### TOXIC ORGANIC (SOLVENT) MANAGEMENT PLAN FOR PERMIT 2021A

**COMPLIANCE REQUIREMENT:** Per 40 CFR 469 as documented in Endorsement A52, 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. 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.

**Updated TOXIC ORGANIC (SOLVENT) MANAGEMENT PLAN shall be submitted to the Industrial Pretreatment Engineer no later than November 30<sup>th</sup>, 2025, 2027, & 2029.**

## **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.

**PART V**

**SEWER USE AND WASTE WATER CONTROL ORDINANCE**