Clean Water Services
2550 SW Hillsboro Highway
Hillsboro, Oregon 97123-9379
(503) 681-3600
Source Control Fax: (503) 681-5138

Effective: November 12, 2021
Expiration: November 22, 2024
Permit # 133207

ISSUED TO:
Intel Corporation
Ronler Acres Campus
2501 NE Century Blvd
Hillsboro, OR 97124

PERMIT CLASSIFACTION:
Categorical Industrial User: 40 CFR 469.18 subpart A and Local Limits

SOURCE COVERED BY THIS PERMIT:
Electrical and Electrical Components: Semiconductor Subcategory

TYPE OF WASTE	OUTFALL	LOCATION
Pretreated wastewater – N2	6	45.548182, -122.919670
Pretreated wastewater – PAWN	7	45.546118, -122.920073
Pretreated wastewater – WATR	8	45.548367, -122.922496
Pretreated wastewater – CALC	10	N/A
(Inactive) Pretreated wastewater – IWW	5	45.542600, -122.923735

Permitting Authority

Under the regulations set forth by 40 CFR Part 403 and the Authority of the Clean Water Services' (District) Nondomestic Waste Ordinance No. 42 (NDWO), or as amended, Intel Corporation – Ronler Acres Campus (herein known as Permittee) is hereby authorized to discharge to the Rock Creek Advanced Wastewater Treatment Facility, from the outfalls identified in Section 1.A., into the Public Owned Treatment Works (POTW), which also includes sewer pipes, pump stations, force mains and other conveyances owned or operated by the District or a City that convey wastewater to the District's POTW treatment plant in accordance with the conditions set forth in this nondomestic waste discharge permit (herein know as permit). The Permittee through this permit acquires no property interest by virtue of the permit approval, and that continued approval is expressly contingent on compliance with all applicable federal, state, local and District requirements.

Permit Basis

This permit is issued based on the information provided in the Baseline Monitoring Report (BMR) and District's Nondomestic Waste Permit Application (Application), submitted on May 1, 2018, for an Industrial Waste Discharge Permit.

Duty to Comply

Permittee is obligated to comply with this permit and all applicable nondomestic waste and pretreatment regulations, standards, or requirements under local, state, and federal laws, including any such regulations, standards, requirements, or laws that may become effective during the term of this permit.

Civil and Criminal Penalties

Noncompliance with any term or condition of this permit, or any compliance schedule, will constitute a violation of the District's NDWO. Noncompliance may be grounds for administrative action or enforcement proceedings including administrative penalties by the District (of up to $5,000 per day per violation), civil, injunctive relief and summary abatement, as identified in the District's NDWO or as amended. The District is authorized to refer violations of District Rules to the proper authorities for investigation and enforcement as criminal matters.

Transferability

A permittee holding a nondomestic waste discharge permit may transfer the permit to a new owner or operator only if the permittee gives advance notice to the District and the District approves the transfer. The transferring permittee must provide a copy of the permit to the new owner or operator. Failure to provide the District advance notice of a transfer is good cause for the District to revoke the permit. The transfer of the permit and the transfer of any associated Equivalent Dwelling Units (EDUs) are separate actions, each independently subject to District approval, in accordance with the NDWO.

Duty to Reapply

A permittee that desires to continue a discharge regulated by this permit after the expiration date of the permit must apply for renewal of this permit by submitting a complete permit application, in accordance with NDWO, no less than 90 days prior to the expiration of the existing permit. The District may grant permission in writing to submit a renewal application at a later date. The District will not grant permission for a renewal application to be submitted later than the existing permit's expiration date.

An expired permit for which the permittee timely applies for renewal continues in effect until the District issues a renewed permit, denies the application for renewal, or until the permit is revoked or suspended.

District Representative _____ Date: 11/3/2021

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SECTION 1 EFFLUENT LIMITATIONS

1.A. Permitted Outfalls

During the effective period of this permit, the Permittee is authorized to discharge process wastewater from the outfalls defined below: (Refer to diagram on last page of this permit for outfall locations). The discharge from the permitted outfalls shall not exceed the specified effluent limitations in the tables below:

Outfall 5 (inactive): **Wastewater from semiconductor manufacturing – IWW**
Only applicable if discharge from this outfall occurs

Table 1: EFFLUENT LIMITATIONS OUTFALL 5

Outfall	Parameter	Minimum Daily Concentration	Maximum Daily Concentration	Monthly Average Concentration	Units
5	pH[1]	> 5.0	≤ 12.50	--------	S.U.
5	pH[2]	> 6.0	< 11.0	--------	S.U.
5	Total Toxic Organics (40 CFR 469)[3,4]	------	1.34	--------	mg/L
Outfall	**Parameter**	**Time outside of daily pH range**		**Method**	**Units**
5	pH Excursions[5]	<60		Continuous	minutes

1 Any pH value either continuous or grab less than 5.0 or greater than or equal to 12.50 is a violation.
2 Any pH grab sample that is less than 6.0 or greater than 11.0 is a violation: 40 CFR 403.5(d).
3 Concentrations have been calculated using the combined wastestream formula: 40 CFR 403.6(e).
4 Semi-annual total toxics organics (TTO) sampling is required by this permit for items listed in 40 CFR 469.11. In lieu of testing, an approved Toxic Organics Management Plan (TOMP) pursuant to 40 CFR 469.12 and a TTO certification statement pursuant to 40 CFR 469.12 must be substituted for the aforementioned TTO sampling.
5 If during the calendar day (12:00 am to 11:59 pm) a pH measurement by continuous monitoring exceeds the permit limit of 6.0 to 11.0 for the accumulated time of greater than 60 minutes, a violation occurs.

Outfall 6: **Wastewater from nitrogen gas manufacturing – N2**
Located on the south side of North Support Road, across the street from the N2 yard (north of North Support Road). Outfall is located inside a locked grate.

Table 2: EFFLUENT LIMITATIONS OUTFALL 6

Outfall	Parameter	Minimum Daily Concentration	Maximum Daily Concentration	Monthly Average Concentration	Units
6	pH[1]	> 5.0	≤ 12.50	--------	S.U.
6	pH[2]	> 6.0	< 11.0	--------	S.U.
Outfall	**Parameter**	**Time outside of daily pH range**		**Method**	**Units**
6	pH Excursions[3]	<60		Continuous	minutes

1 Any pH value either continuous or grab less than 5.0 or greater than or equal to 12.50 is a violation.
2 Any pH grab sample that is less than 6.0 or greater than 11.0 is a violation: 40 CFR 403.5(d).
3 If during the calendar day (12:00 am to 11:59 pm) a pH measurement by continuous monitoring exceeds the permit limit of 6.0 to 11.0 for the accumulated time of greater than 60 minutes, a violation occurs.

Outfall 7: **Wastewater from semiconductor manufacturing – PAWN**
Located in an outbuilding off West Garrett Drive, directly across from PAWN Phase 1.

Table 3: EFFLUENT LIMITATIONS OUTFALL 7

Outfall	Parameter	Minimum Daily Concentration	Maximum Daily Concentration	Monthly Average Concentration	Units
7	pH[1]	> 5.0	≤ 12.50	--------	S.U.
7	pH[2]	> 6.0	< 11.0	--------	S.U.
7	Total Toxic Organics (40 CFR 469)[3,4]	------	1.37	--------	mg/L
Outfall	**Parameter**	**Time outside of daily pH range**		**Method**	**Units**
7	pH Excursions[5]	<60		Continuous	minutes

1 Any pH value either continuous or grab less than 5.0 or greater than or equal to 12.50 is a violation.
2 Any pH grab sample that is less than 6.0 or greater than 11.0 is a violation: 40 CFR 403.5(d).
3 Concentrations have been calculated using the combined wastestream formula: 40 CFR 403.6(e).
4 Semi-annual total toxics organics (TTO) sampling is required by this permit for items listed in 40 CFR 469.11. In lieu of testing, an approved Toxic Organics Management Plan (TOMP) pursuant to 40 CFR 469.12 and a TTO certification statement pursuant to 40 CFR 469.12 must be substituted for the aforementioned TTO sampling.
5 If during the calendar day (12:00 am to 11:59 pm) a pH measurement by continuous monitoring exceeds the permit limit of 6.0 to 11.0 for the accumulated time of greater than 60 minutes, a violation occurs.

Outfall 8: **Wastewater from semiconductor manufacturing – WATR**
Located behind (east of) building RS4; south of the WATR treatment system.

Table 4: EFFLUENT LIMITATIONS OUTFALL 8

Outfall	Parameter	Minimum Daily Concentration	Maximum Daily Concentration	Monthly Average Concentration	Units
8	pH[1]	> 5.0	≤ 12.50	--------	S.U.
8	pH[2]	> 6.0	< 11.0	--------	S.U.
8	Total Toxic Organics (40 CFR 469)[3,4]	------	1.34	--------	mg/L
	Parameter	**Time outside of daily pH range**		**Method**	**Units**
8	pH Excursions[5]	<60		Continuous	minutes

1 Any pH value either continuous or grab less than 5.0 or greater than or equal to 12.50 is a violation.
2 Any pH grab sample that is less than 6.0 or greater than 11.0 is a violation: 40 CFR 403.5(d).
3 Concentrations have been calculated using the combined wastestream formula: 40 CFR 403.6(e).
4 Semi-annual total toxics organics (TTO) sampling is required by this permit for items listed in 40 CFR 469.11. In lieu of testing, an approved Toxic Organics Management Plan (TOMP) pursuant to 40 CFR 469.12 and a TTO certification statement pursuant to 40 CFR 469.12 must be substituted for the aforementioned TTO sampling.
5 If during the calendar day (12:00 am to 11:59 pm) a pH measurement by continuous monitoring exceeds the permit limit of 6.0 to 11.0 for the accumulated time of greater than 60 minutes, a violation occurs.

Outfall 10: **Wastewater from semiconductor manufacturing: CALC**
Used for calculated limits. No physical location.

Table 5: EFFLUENT LIMITATIONS OUTFALL 10

Outfall	Parameter	Maximum Daily Average	Maximum Daily Load	Monthly Average Load	Units
10	Calculated copper[1,4]: 5, 7, 8	--------	5.0	--------	lbs/day
10	Calculated arsenic[2,4]: 5, 7, 8	--------	--------	1.436	lbs/day
10	Calculated temperature[3,4]: 5, 6, 7, 8	77	--------	--------	°F

1 Calculated copper daily load to be calculated and submitted, in addition to individual weekly copper analyses from each outfall.
2 Calculated arsenic monthly average load to be calculated and submitted, in addition to individual weekly arsenic analyses from each outfall.
3 Calculated maximum daily average temperature to be calculated and submitted, in addition to individual maximum daily temperature readings from each outfall. Calculation method to be defined in Temperature Management Plan identified in Section 3.A.
4 Outfall 5 is inactive. If discharge from this outfall occurs, it will be used in calculations.

SECTION 2 MONITORING REQUIREMENTS

Permittee is required to monitor effluent from the indicated outfalls for the following characteristics and parameters at the frequency listed in the tables below. Monitoring requirements for outfall 5 are only applicable if discharge from this outfall occurs. No monitoring requirements table required for outfall 10.

Table 6: MONITORING REQUIREMENTS FOR OUTFALL 5

Outfall	Parameter	Method	Frequency	Units
5	Discharge Flow	Flow meter	Continuous	MGD
5	pH	Instantaneous	Continuous (inline)	S.U.
5	Ammonia nitrogen	24 hour flow-proportional composite	Once per week	mg/L
5	Nitrite/nitrate nitrogen	24 hour flow-proportional composite	Once per week	mg/L
5	Temperature[2]	Instantaneous	Continuous (inline)	°F
5	Total arsenic	24 hour flow-proportional composite	Once per week	mg/L
5	Total chemical oxygen demand	24 hour flow-proportional composite	Once per week	mg/L
5	Total copper	24 hour flow-proportional composite	Once per week	mg/L
5	Total dissolved solids	24 hour flow-proportional composite	Once per week	mg/L
5	Total phosphate as phosphorus	24 hour flow-proportional composite	Once per week	mg/L
5	Total Toxic Organics[1] (40 CFR 469)	24 hour flow-proportional composite	Semi-annually[3]	mg/L
	Local Limits Parameters	**Method**	**Frequency**	**Units**
5	Total cadmium	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total chromium	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total cyanide	Grab	Semi-annually	mg/L
5	Total lead	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total mercury	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total molybdenum	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total nickel	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total selenium	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total silver	24 hour flow-proportional composite	Semi-annually	mg/L
5	Total zinc	24 hour flow-proportional composite	Semi-annually	mg/L

[1] Semi-annual TTO sampling is required by this permit for items listed in 40 CFR 469.11. In lieu of testing, an approved TOMP pursuant to 40 CFR 469.12 and a TTO certification statement pursuant to 40 CFR 469.12 must be substituted for the aforementioned TTO sampling.
[2] Temperature monitoring will be as described in the Temperature Management Plan identified section 3.A.
[3] Semi-annually means January to June; July to December.

Table 7: MONITORING REQUIREMENTS FOR OUTFALL 6

Outfall	Parameter	Method	Frequency	Units
6	Discharge Flow	Flow meter	Continuous	MGD
6	pH	Instantaneous	Continuous (inline)	S.U.
6	Temperature[1]	Instantaneous	Continuous (inline)	°F
Outfall	**Local Limits Parameter**	**Method**	**Frequency**	**Units**
6	Total arsenic	24 hour composite[3]	Semi-annually[2]	mg/L
6	Total cadmium	24 hour composite	Semi-annually	mg/L
6	Total chromium	24 hour composite	Semi-annually	mg/L
6	Total copper	24 hour composite	Semi-annually	mg/L
6	Total cyanide	Grab	Semi-annually	mg/L
6	Total lead	24 hour composite	Semi-annually	mg/L
6	Total mercury	24 hour composite	Semi-annually	mg/L
6	Total molybdenum	24 hour composite	Semi-annually	mg/L
6	Total nickel	24 hour composite	Semi-annually	mg/L
6	Total selenium	24 hour composite	Semi-annually	mg/L
6	Total silver	24 hour composite	Semi-annually	mg/L
6	Total zinc	24 hour composite	Semi-annually	mg/L

[1] Temperature monitoring will be as described in the Temperature Management Plan identified in section 3.A.
[2] Semi-annually means January to June; July to December.
[3] Per 40 CFR 122.21(g)(7)(i) a 24 hour composite is achieved by obtaining a minimum of 4 grab samples within a 24 hour period.

Table 8: MONITORING REQUIREMENTS FOR OUTFALL 7

Outfall	Parameter	Method	Frequency	Units
7	Discharge flow	Flow meter	Continuous	MGD
7	pH	Instantaneous	Continuous (inline)	S.U.
7	Ammonia nitrogen[3]	24 hour flow-proportional composite	Once per week	mg/L
7	Azoles[1]	24 hour flow-proportional composite	See plan[1]	mg/L
7	Nitrite/nitrate nitrogen[3]	24 hour flow-proportional composite	Once per week	mg/L
7	Temperature[4]	Instantaneous	Continuous (inline)	°F
7	Total arsenic	24 hour flow-proportional composite	Once per week	mg/L
7	Total chemical oxygen demand	24 hour flow-proportional composite	Once per week	mg/L
7	Total cobalt	24 hour flow-proportional composite	Once per week	mg/L
7	Total copper	24 hour flow-proportional composite	Once per week	mg/L
7	Total dissolved solids	24 hour flow-proportional composite	Once per week	mg/L
7	Total fluoride	24 hour flow-proportional composite	Once per week	mg/L
7	Total Kjeldahl nitrogen[3]	24 hour flow-proportional composite	Once per week	mg/L
7	Total Organic Carbon	24 hour flow-proportional composite	Once per week	mg/L
7	Total phosphate as phosphorus	24 hour flow-proportional composite	Once per week	mg/L
7	Total sulfate	24 hour flow-proportional composite	Once per week	mg/L
7	Total suspended solids[3]	24 hour flow-proportional composite	Once per week	mg/L
7	Total toxic organics[2] (40 CFR 469)	24 hour flow-proportional composite	Semi-annually[5]	mg/L
Outfall	**Local Limits Parameter**	**Method**	**Frequency**	**Units**
7	Total cadmium	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total chromium	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total cyanide	Grab	Semi-annually	mg/L
7	Total lead	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total mercury	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total molybdenum	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total nickel	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total selenium	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total silver	24 hour flow-proportional composite	Semi-annually	mg/L
7	Total zinc	24 hour flow-proportional composite	Semi-annually	mg/L

1 Monitor as described in the Nitrification Inhibition Management Plan identified in Section 3.A.
2 Semi-annual TTO sampling is required by this permit for items listed in 40 CFR 469.11. In lieu of testing, an approved TOMP pursuant to 40 CFR 469.12 and a TTO certification statement pursuant to 40 CFR 469.12 must be substituted for the aforementioned TTO sampling.
3 Inline data and analyzers will be as described in the Probe and Analyzer Data and Maintenance Plan identified in section 3.A.
4 Temperature monitoring will be as described in the Temperature Management Plan identified in section 3.A.
5 Semi-annually means January to June; July to December.

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Table 9: MONITORING REQUIREMENTS FOR OUTFALL 8

Outfall	Parameter	Method	Frequency	Units
8	Discharge flow	Flow meter	Continuous	MGD
8	pH	Instantaneous	Continuous (inline)	S.U.
8	Ammonia nitrogen[3]	24 hour flow-proportional composite	Once per week	mg/L
8	Azoles	24 hour flow-proportional composite	See plan[1]	mg/L
8	Hydrogen peroxide[3]	Grab	Once per week	mg/L
8	Nitrite/nitrate nitrogen[3]	24 hour flow-proportional composite	Once per week	mg/L
8	Temperature[4]	Instantaneous	Continuous (inline)	°F
8	Total arsenic	24 hour flow-proportional composite	Once per week	mg/L
8	Total chemical oxygen demand	24 hour flow-proportional composite	Once per week	mg/L
8	Total cobalt	24 hour flow-proportional composite	Once per week	mg/L
8	Total copper	24 hour flow-proportional composite	Once per week	mg/L
8	Total dissolved solids	24 hour flow-proportional composite	Once per week	mg/L
8	Total fluoride	24 hour flow-proportional composite	Once per week	mg/L
8	Total Kjeldahl nitrogen[3]	24 hour flow-proportional composite	Once per week	mg/L
8	Total Organic Carbon	24 hour flow-proportional composite	Once per week	mg/L
8	Total phosphate as phosphorus	24 hour flow-proportional composite	Once per week	mg/L
8	Total sulfate	24 hour flow-proportional composite	Once per week	mg/L
8	Total suspended solids[3]	24 hour flow-proportional composite	Once per week	mg/L
8	Total toxic organics[2] (40 CFR 469)	24 hour flow-proportional composite	Semi-annually[5]	mg/L
Outfall	**Local Limits Parameter**	**Method**	**Frequency**	**Units**
8	Total cadmium	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total chromium	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total cyanide	Grab	Semi-annually	mg/L
8	Total lead	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total mercury	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total molybdenum	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total nickel	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total selenium	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total silver	24 hour flow-proportional composite	Semi-annually	mg/L
8	Total zinc	24 hour flow-proportional composite	Semi-annually	mg/L

1 Monitor as described in the Nitrification Inhibition Management Plan identified in Section 3.A.
2 Semi-annual TTO sampling is required by this permit for items listed in 40 CFR 469.11. In lieu of testing, an approved TOMP pursuant to 40 CFR 469.12 and a TTO certification statement pursuant to 40 CFR 469.12 must be substituted for the aforementioned TTO sampling.
3 Inline data and analyzers will be as described in the Probe and Analyzer Data and Maintenance Plan identified in section 3.A.
4 Temperature monitoring will be as described in the Temperature Management Plan identified in section 3.A.
5 Semi-annually means January to June; July to December.

2.B. Representative Sampling and Analysis Procedures

Samples and measurements taken as required by this permit must be representative of the volume and nature of the monitored discharge. All samples will be taken at the monitoring points specified in this permit, and unless otherwise specified, before the permitted discharge joins or is diluted by any other waste streams, body of water or substance.

The permittee providing the results of analyses to the District as part of this permit must ensure that such sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR part 136 and amendments thereto. Where 40 CFR part 136 does not contain sampling or analytical techniques for the pollutant in question, or where the Administrator determines that the part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analysis shall be performed by using validated analytical methods or any other applicable sampling and analytical procedures, including procedures authorized by the District.

2.C. Grab vs. Composite Sample Pollutants

For any constituents listed in Tables 1 through 9 of this permit, grab samples must be used for pH (unless using a continuous monitoring device), cyanide, total phenols, oil and grease, sulfide, and volatile organic compounds. For all other pollutants, 24-hour composite samples must be obtained through flow-proportional composite sampling techniques, unless the District authorizes time-proportional composite sampling or grab sampling.

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SECTION 3 PERMIT CONDITIONS

3.A. Additional Permit Conditions

The following additional permit conditions apply.

a. The target level for phosphorus at the outfalls is less than 3.0 mg/L.
b. Permittee shall operate and maintain an approved fluoride removal system based on approved Fluoride Management Plan. Plan has been received and approved by the District on July 15, 2019.
c. Hydrogen Peroxide Management Plan has been received and approved by the District on September 5, 2019.
d. Temperature Management Plan has been received and approved by the District on September 5, 2019.
e. IWW Diversion Plan has been received and approved by the District on September 5, 2019.
f. Nitrification Inhibition Management Plan has been received and approved by the District on September 5, 2019.
g. Maintain list of online analyzers and inline monitoring probes associated with monitoring requirements tables. Monitoring requirements for reporting of electronic data package submittals will be approved by the District (see tables 8 and 9). Probe and Analyzer Data and Maintenance Plan will be due to the District no later than **90 days from permit effective date.**

3.B. Report on Compliance

Within 90 days following the date for final compliance with an applicable Categorical Pretreatment Standard, or, in the case of a New Source, within 90 days following commencement of the introduction of wastewater into the sewer system, the Permittee subject to Pretreatment Standards and Requirements will submit to the District a Report on Compliance as required in 40 CFR 403.12(d) in order to determine compliance status.

☒ Original Report on Compliance received by the District **in February 1998.**

☒ D1X Mod 2 Report on Compliance received by the District on **February 10, 2020.**

☐ Report on Compliance is due to the District no later than 90 days after the first silicon out of D1X Mod 3.

3.C. Solvent and/or Toxic Organic Management Plan (SMP/TOMP)

In lieu of requiring monitoring for TTO, the SMP/TOMP certification statement and this plan are required to assess the uses and disposal procedures related to solvents and/or toxics presence and usage on the premises.

☒ A Solvent and/or Toxic Organic Management Plan has been received on October 15, 2021 and approved by the District on October 29, 2021.

3.D. Slug Discharge Control Plan

The District requires the permittee to implement a Slug Discharge Control Plan or other action to control slug discharges. A Slug Discharge Control Plan must include, at a minimum, the following:

1. Description of discharge practices, including nonroutine batch discharges, rate of discharge (e.g., pump rate, peak flow rate, flow variation);
2. Description of stored chemicals;
3. Procedures for immediately notifying the District of any accidental or slug discharge, as required by Section 10.b of the NDWQ; and
4. Procedures to prevent adverse impact from any accidental or slug discharge. Such procedures include, but are not limited to, inspection and maintenance of storage areas, handling, and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, including solvents, and/or measures and equipment for emergency response.

Conditions of an approved Slug Discharge Control Plan are enforceable under this permit. The permittee is required to notify District immediately of any changes at their facility affecting the potential for a slug discharge.

☒ A Slug Discharge Control Plan has been received on October 15, 2021 and approved by the District on October 29, 2021.

3.E. Semi-annual Sampling

Semi-annual sampling, if required, may be performed at any time during the periods of January to June, and July to December. The results need to be reported to the District as indicated in Section 4 unless a violation has occurred, in which case the requirements of violation notification period specified in Section 5 and resampling/resubmitting shall prevail.

SECTION 4 REPORTING REQUIREMENTS

4.A. Self-Monitoring Report (SMR) Submission

The Permittee subject to sampling, testing, and reporting schedules required by the permit must submit periodic compliance reports, as stated in the federal regulations at 40 CFR 403.12(e) and (h). The reports are due on the tenth day of the month following discharge. Written reports will be deemed to have been submitted on the date postmarked. For reports that are not mailed, postage prepaid, into a mail facility serviced by the United States Postal Service, the date of receipt of the report by the District will govern. For any information faxed or emailed to the District, the Permittee must mail the original to the District within seven days or at a later date if prior approval is received from the District.

Submit all reports to:
Clean Water Services
Attn: Environmental Services
2550 SW Hillsboro Highway
Hillsboro, Oregon 97123

4.B. Self-Monitoring Report Data

The Permittee must use a District-approved industrial user self-monitoring report form and indicate the date, parameter, concentration, and unit of measurement of all effluent monitoring requirements for which sampling, analysis and flow measurement were performed during the calendar month preceding the submission of each report.

Table 10: REQUIREMENTS FOR MONTHLY SELF-MONITORING REPORT

Outfall	Parameter	Method	Frequency	Units
5, 6, 7, 8	Discharge Flow	Flow meter	Daily	MGD
5, 6, 7, 8	Beginning totalizer reading	Flow meter	First day of each month	MGD
5, 6, 7, 8	End totalizer reading	Flow meter	Last day of each month	MGD
5, 6, 7, 8	Average flow	Calculated	Monthly	MGD
5, 6, 7, 8	Maximum flow	Measured	Daily	MGD
5, 6, 7, 8	pH readings (min and max)	Measured	Daily	S.U.
5, 6, 7, 8	pH maximum	Measured	Monthly	S.U.
5, 6, 7, 8	pH minimum	Measured	Monthly	S.U.
5, 6, 7, 8	Monitoring requirements	Analytical Results	See Tables 6 to 9	See Tables 6 to 9
10	Effluent limitations	Calculated	See Table 5	See Table 5

4.C. Submittal of Pollutant Analysis

The Permittee is subject to reporting requirements in 40 CFR 403.12(e) (periodic compliance reports). If the Permittee monitors any regulated pollutant more frequently than required by the District, using the procedures specified in 40 CFR Part 136 and from the identified compliance sampling location, defined on the last page of this permit, the results of the monitoring must be included in the compliance report.

4.D. Signatory Requirements/Certification Statement

All required reports shall be signed by an authorized representative of the permittee and must include the signed certification statement, as required by 40 CFR 403.12(l) and 403.6(a)(2)(ii):

> "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 knowing violations."

4.E. In Lieu of Required Monitoring for TTO

In lieu of requiring monitoring for TTO, the District requires this statement to be included as a comment to the self-monitoring (periodic) reports required by 40 CFR 403.12(e).

> "Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation 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 of the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to Clean Water Services."

4.F. Application Provision for New or Changed Discharges

Except as provided in Section 6.c.4 of the District's NDWO, any person required to obtain a nondomestic waste discharge permit who proposes to begin or recommence discharging nondomestic waste into the POTW must apply for such permit no less than 90 days prior to the proposed beginning or recommencing of such discharge. New discharges requiring a nondomestic waste discharge permit are not allowed prior to issuance of such permit. The District may request new BMR and Permit applications if facility changes warrant additional or updated information on the processes, ownership, or use.

4.G. Reporting Requirements for Categorical Standards, Effective Date

The District will require a report submitted by categorical industrial users (CIUs) within 180 days after the effective date of an applicable Categorical Standard, or at least 90 days prior to commencement of discharge for New Sources that contains specific facility information including flow and pollutant concentration data. For Existing Sources, the report must also certify as to the compliance status of the facility with respect to the Categorical Standards.

SECTION 5 NOTIFICATION REQUIREMENTS

5.A. Violation Notification Requirement

If sampling performed by the Permittee indicates a permit violation, the Permittee must notify the District within 24 hours once aware of the violation. The Permittee must repeat the sampling and analysis and submit the results of the repeat analysis to the District within 30 days after becoming aware of the violation, as required by 40 CFR 403.12(g). The Permittee must continue to notify the District of resampling and analysis results until compliance is demonstrated.

5.B. Notification of Significant Changes

The Permittee must immediately report any substantial changes, both increases and decreases, in production, volume or character of the wastewater discharge, or deviate from the terms and conditions of this permit, per the requirements in 40 CFR 403.12(j) and 403.6(c)(7). These may be caused by permanent or temporary changes to the premises or operations. Unless emergency situations prevail, the District requires the permittee to report changes at least 30 days prior to being implemented. Failure to follow notification requirements is a permit violation.

5.C. Notification of Slug Discharge or Spill

The Permittee must immediately notify the District of slug discharges or accidental discharges of substances prohibited by Section 8.D of this permit and the NDWO. This notification must include the location of the discharge, type of waste, concentration, and volume, if known, and corrective actions taken. The Permittee must notify the District immediately of any changes at their facility affecting the potential for a Slug Discharge.

5.D. Hazardous Waste Notification Provision

The Permittee is required to notify the District, the U.S. EPA Resource Conservation and Recovery Act Director and the Oregon State Hazardous Waste Director within 90 days of the effective date of a published Resource Conservation and Recovery Act ruling of a discharge (or changed discharge) of a listed or characteristic hazardous waste to the sanitary sewer, as required by 40 CFR 403.12(p). The District requires notification even if the results of the hazardous material sampling are submitted on self-monitoring reports.

5.E. Affirmative Defense

Upset means an exceptional incident in which a discharger unintentionally and temporarily is in a state of noncompliance with applicable Pretreatment Standards or requirements due to factors beyond the reasonable control of the Permittee, and excluding noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

1. Effect of an upset. An Upset constitutes an affirmative defense to an action brought for noncompliance with categorical Pretreatment Standards if the requirements of Section 4.p.3 of the District's NDWO are met.
2. Conditions necessary for a demonstration of upset. The Permittee who wishes to establish the affirmative defense of Upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
    a. An Upset occurred and the Permittee can identify the cause(s) of the Upset;
    b. The facility was at the time being operated in a prudent and workmanlike manner and in compliance with applicable operation and maintenance procedures;
    c. The Permittee has submitted the following information to the District within 24 hours of becoming aware of the Upset (if this information is provided orally, a written submission must be provided within five days):
        i. A description of the Indirect Discharge and cause of noncompliance;
        ii. The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue;
        iii. Steps being taken and/or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

3. Burden of proof. In any enforcement proceeding the Permittee seeking to establish the occurrence of an Upset shall have the burden of proof.
4. The permittee will have the opportunity for a judicial determination on any claim of Upset only on appeal of a District enforcement action brought for noncompliance with categorical Pretreatment Standards.
5. Permittee responsibility in case of upset. The Permittee shall control production or all discharges to the extent necessary to maintain compliance with categorical Pretreatment Standards upon reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost, or fails.

5.F. Bypass

1. The Permittee may allow any bypass to occur that does not cause applicable Pretreatment Standards or requirements to be violated, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of paragraphs (2) and (3) of this section.
2. If a Permittee knows in advance of the need for a bypass, it shall submit prior notice to Environmental Services at least 10 days before the date of the bypass, if possible; a Permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards or requirements to Environmental Services within 24 hours from the time the Permittee becomes aware of the bypass. The Permittee must also provide a written report within 5 days from the time the Permittee becomes aware of the bypass. The written report shall contain the following:
    a. Description of the bypass and its cause;
    b. Duration of the bypass (including exact dates and times);
    c. If the bypass has not been corrected, the anticipated time it is expected to continue;
    d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass.
3. Bypass is prohibited and the District may take enforcement action against a Permittee for a bypass, unless:
    a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
    b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during the normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
    c. The Permittee submitted notices as required under paragraph 2 of this section.

SECTION 6 Local Cost Recovery Program

This permit is issued based on the following:

Purchased Flow Capacity:

Monthly Average Flow = 7,191,064 gallons per day

Exceedance by the Permittee of its purchased flow capacity or strength surcharge established in this permit is not a violation of District Rules. The District will bill the Permittee directly for the excess without bringing a formal enforcement action, may compel the Permittee to purchase additional capacity, and may suspend or revoke this permit pursuant to Section 8.d of the District's NDWO.

The transfer of this permit and the transfer of any associated Equivalent Dwelling Units (EDUs) are separate actions, each independently subject to District approval pursuant to Section 6.1.3 of the District's NDWO.

Read and record any applicable flow meters daily on the self-monitoring report form. Report flow and service charge values as established in Section 4 of this permit.

SECTION 7 RECORD-KEEPING REQUIREMENTS

7.A. Sample and Analysis Records Requirements

The Permittee is subject to reporting requirements in 40 CFR Part 403.12. The Permittee must retain and preserve all records, books, documents, memoranda, reports, correspondence, and summaries thereof, relating to monitoring, sampling and chemical analyses made by or on behalf of the Permittee in connection with its discharge. Such records will be subject to review by the District, DEQ or EPA, and must include for all samples:

1. The date(s), exact place, method(s), and time of sampling or measurements;
2. The name of the person(s) taking the samples;
3. The date(s) the analyses were performed;
4. Person(s) who performed the analyses;
5. The analytical techniques or methods used; and
6. The results of such analyses.

7.B. Record Retention and Availability

The Permittee will retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities, permit terms and documentation associated with Best Management Practices for a minimum of three years. The permittee will make all records required by this permit available for inspection and copying by the District, the DEQ Director and the EPA Regional Administrator. The retention period will be automatically extended for the duration of any unresolved litigation concerning the Permittee or the District, when requested by DEQ or EPA, or when the District has specifically notified the Permittee of a longer retention period.

SECTION 8 STANDARD CONDITIONS

8.A. Inspection and Entry

a) The District is authorized to carry out all inspections, surveillance, and monitoring procedures necessary to determine, independent of information supplied by Permittees, compliance or noncompliance with this permit and District Rules. The District is authorized to enter any premises of the Permittee in which a discharge source, treatment system, or production area is located or in which records are required to be kept to ensure compliance with this permit and District Rules. The District may, at reasonable times, have access to and copy any records, inspect any monitoring equipment or method required by District Rules, and sample any effluents that the owner or operator of a source of discharge is required to sample.

b) Inspections may include visual observation of the premises, collection of ambient data, collection of samples, taking of photographs, inspection and copying of documents, and interviewing employees, contractors, and other witnesses.

c) If security measures at the premises are in force that require proper identification and clearance before entry, the Permittee or authorized person must make necessary arrangements so that, upon presentation of suitable identification, the District will be permitted to enter without delay for the purposes of performing the inspection.

8.B. Dilution Prohibition

The Permittee may not use potable or process water to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the standards set forth in this discharge permit or any District ordinances, or in lieu of proper disposal of any material as solid waste.

8.C. Permit Modification

a) The District may modify this permit for good cause, including, but not limited to, the following:

1. To incorporate any new or revised federal, state, or local Pretreatment Standards or requirements;
2. To address significant alterations or additions to the Permittee's operation, processes, or wastewater volume or character since the time of the permit issuance;
3. A change in the POTW that requires either a temporary or permanent reduction or elimination of the permitted discharge;
4. Information indicating that the Permittee's discharge poses a threat to the POTW, the POTW's operation or maintenance, District personnel, the health and safety of the public, the District's beneficial use of biosolids, recycled water, or any product produced by the POTW or byproducts, or the environment;
5. Violation of any term or condition of this permit;
6. Misrepresentations or failure to fully disclose all relevant facts in the Permittee's application or in any required reporting;
7. To correct typographical or other errors in this permit;
8. To reflect a transfer of the facility ownership or operation to a new owner or operator if requested; or
9. To allow the District to remain in compliance with regulatory requirements, including permit terms, and state and federal law.

b) The District will notify the Permittee of any proposed modification to its permit 30 days prior to the effective date of the modification.

8.D. Federal and Local General Discharge Prohibitions

a) General Prohibitions: No person may discharge or cause to be discharged into the POTW any nondomestic waste that causes Pass Through, Interference, or Disruption. This general prohibition and the specific prohibitions in Section 4.a and 4.b of the District's NDWO apply to all persons regardless of whether they are subject to Categorical Pretreatment Standards or any other national, state, or local Pretreatment Standards or Requirements, or whether they hold a permit to discharge nondomestic waste to the POTW.

b) Specific Prohibitions: No person may discharge or cause to be discharged into the POTW, directly or indirectly, any of the following nondomestic wastes:

1. Any substance in a quantity sufficient to create a potential for fire or explosion, including: discharges with a closed cup flashpoint of less than 140 °F, using the test methods specified in 40 CFR 261.21; and any discharge that creates two consecutive readings on an explosive hazard meter at any point in the POTW to exceed five percent, or any single reading to exceed 10 percent of the lower explosive limit;
2. Any substance that will cause corrosive structural damage to the POTW, but in no case any substance having a pH less than 5.0 or equal to or exceeding 12.5, unless the works is specifically designed to accommodate such discharges, except commercially available drain cleaners used in conformance with the manufacturer's instructions;
3. Any solid or viscous substance in a quantity sufficient to cause, potentially cause, or contribute to, restriction or obstruction of flow in the POTW. Such substances may include, but are not limited to: solids exceeding one-half inch in any dimension, viscous substances such as petroleum oil, mineral oil, animal or vegetable fats, oils and greases, and any substance that is solid or viscous at temperatures between 32 and 150 °F;
4. Any substance, including oxygen demanding pollutants (BOD5, etc.) discharged to the POTW at a flow rate or concentration that will or may cause interference or disruption;
5. Any substance that, alone or in combination with other substances, will or may through the creation of toxic, malodorous, or noxious gases, vapors or fumes: create a public nuisance, create a hazard to human or animal life, create a hazard to worker health or safety, or prevent safe entry into any portion of the POTW for inspection, maintenance, or repair;
6. Any discharge to the POTW having a temperature that will inhibit biological activity in a POTW treatment plant, but in no case any discharge with a temperature at the point of discharge into the POTW exceeding 104 °F (40 degrees C);
7. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference, pass through, or disruption;
8. Any trucked or hauled wastes, except in accordance with Section 5.f of the District's NDWO.
9. Any radioactive wastes in amounts exceeding those established by state or federal regulations;
10. Any residues from the pretreatment of waste, except in conformance with this permit or other authorization to do so;
11. Any substance that would be a hazardous waste pursuant to 40 CFR 261 or OAR Chapter 340, Division 101, if otherwise disposed of, except as provided in 40 CFR 403.12(p) and in conformance with this permit or other authorization to do so;

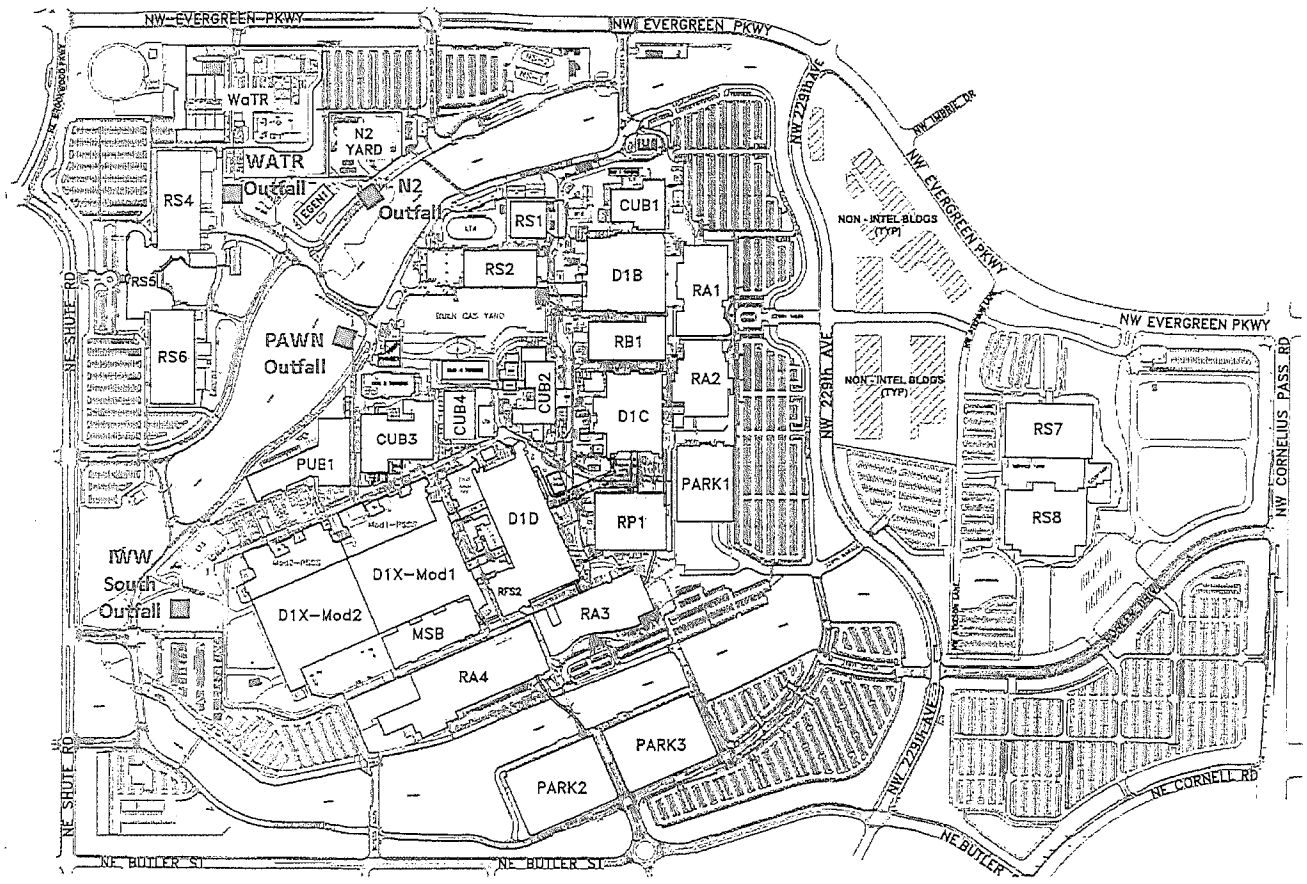
c) No person may process or store substances whose discharge is prohibited by this section in such a manner that they could be discharged to the POTW in violation of the prohibition.

CleanWater Services
2550 SW Hillsboro Highway
Hillsboro, Oregon 97123-9379
(503) 681-3600
Source Control Fax (503) 681-5138

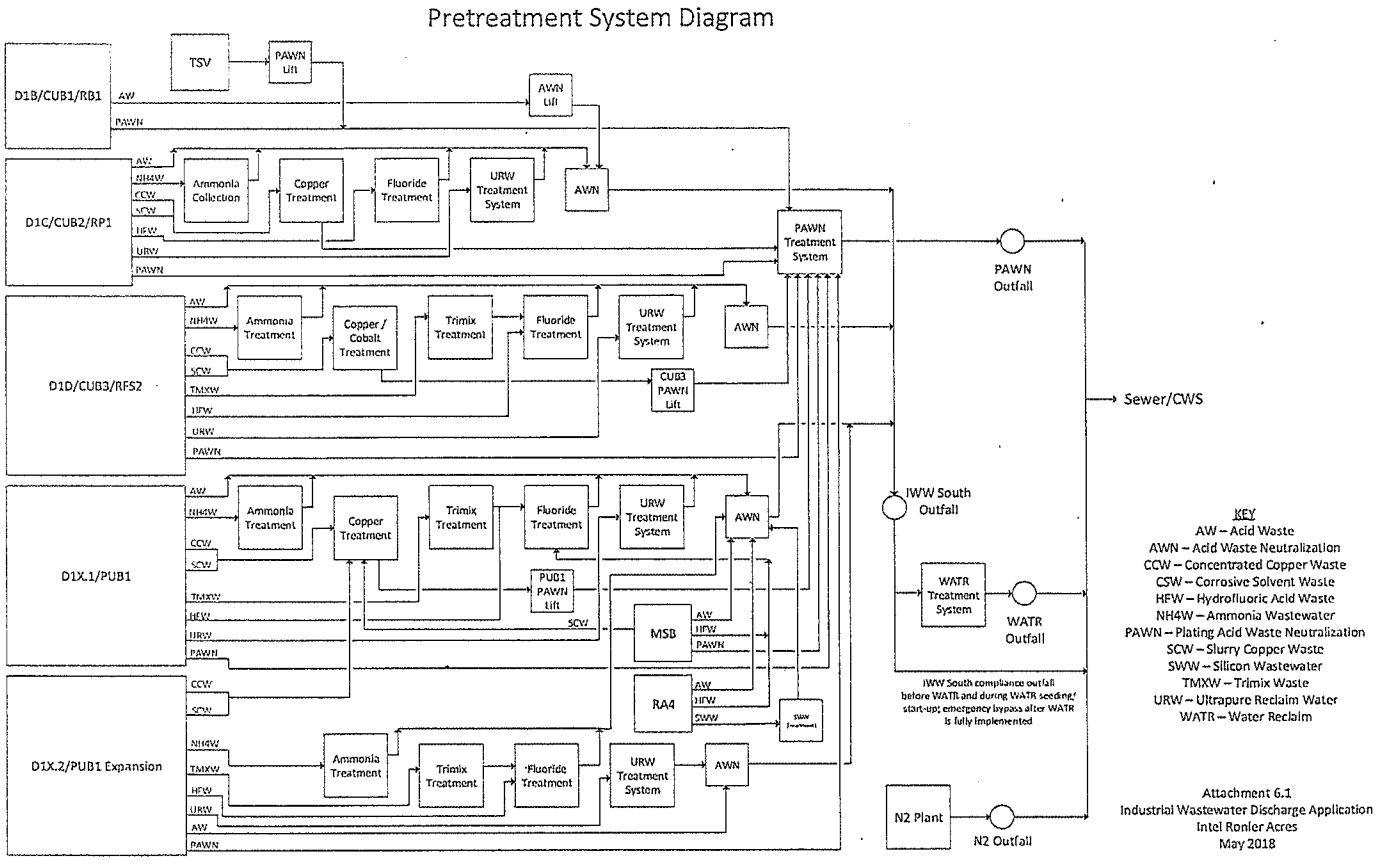
Effective: November 12, 2021
Expiration: November 22, 2024
Permit # 133207

SAMPLE SITE LOCATIONS

The following outfall sample sites are the official District and Permittee sample collection locations. All samples collected for compliance monitoring must be obtained from these sites.



Pretreatment System Diagram



Attachment 6.1
Industrial Wastewater Discharge Application
Intel Ronler Acres
May 2018

Permit ID# 12895

☐ **Original** to File ☐ Copy to User ☐ Copy to City ☐ Copy to WQL ☐ Copy to Accounting