



September 24, 2019

Certified Mail/Return Receipt 7017 2400 0000 1040 7126

Mr. Mark Sciacchitano
Director, Civil Engineer Division
United States Air Force, Joint Base Langley Eustis - Eustis
1407 Washington Boulevard
Fort Eustis, VA 23604-5332

Dear Mr. Sciacchitano:

Enclosed is HRSD Industrial Wastewater Discharge Permit No. 0505. Please note the following revisions to your permit.

- The revised facility name, effective and expiration dates in facility information in Section I.
- The revised permit flow quantities and limits for TOT in effluent discharge limitations in Section II.
- The revised list of pretreatment devices in special conditions in Section V.
- The addition of language prohibiting hazardous waste pharmaceutical discharge to the sewer in special conditions in Section V, #6.

Please discard all current Permit pages and replace with this revised Permit.

Also enclosed, please find a copy of the EPA required annual inspection of your industrial waste pretreatment program that was conducted on August 14, 2019. We appreciate your cooperation in scheduling and conducting the inspection.

Should you have any questions, please feel free to contact Ms. Kira N. Stokes at (757) 833-1751 or p3data@hrsd.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Martin', is written over a light blue horizontal line.

Michael Martin
Chief of Pretreatment & Pollution Prevention

MM/mem

Enclosures

cc: Mr. Jonathon M. Colmer, Water Quality Program Manager
Ms. Loan Pham, DEQ, TRO
Ms. Kira N. Stokes, HRSD

PO Box 5902, Virginia Beach, VA 23471-0902 • 757.460.7045 • Fax 757.464.3985

Commissioners: Frederick N. Elofson, CPA, Chair • Maurice P. Lynch, PhD, Vice-Chair • Vishnu K. Lakdawala, PhD
Michael E. Glenn • Stephen C. Rodriguez • Willie Levenston, Jr. • Ann W. Templeman • Elizabeth A. Taraski, PhD
www.hrsd.com



Hampton Roads Sanitation District

Direct Wastewater Discharge Permit No. 0505-2

SECTION I FACILITY INFORMATION

In accordance with all terms and conditions of the Hampton Roads Sanitation District Industrial Wastewater Discharge Regulations, and in accordance with any applicable provision of Federal or State law or regulation;

Permission is Hereby Granted to: **United States Air Force**
for Joint Base Langley Eustis - Eustis
at 1407 Washington Boulevard, Fort Eustis, VA 23604

Classified as: **Significant Industrial User**

<u>NAICS Code</u>	<u>Description</u>
928110	National Security

For the contribution of **Industrial Wastes (National Security, Military Training Facility)**

into the Hampton Roads Sanitation District through **NEWP-IWD-USA-FTEUSTIS to Williamsburg Treatment Plant.**

This Permit is based on information provided in the permit application, which together with the following conditions and requirements is considered a part of this Permit. This Permit is not transferable.

Effective Date: **October 01, 2019**

Expiration Date: **September 30, 2022**

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General Manager
(By Direction)



Hampton Roads Sanitation District
Direct Wastewater Discharge Permit No. 0505-2

SECTION II
EFFLUENT DISCHARGE LIMITATIONS

The limitations set forth below shall be met at all times. In addition, all other effluent limitations and general discharge prohibitions set forth in the Hampton Roads Sanitation District's Industrial Wastewater Discharge Regulations (current) and all applicable Federal and State limitations shall be met. Calendar day maximum is defined as the maximum for any sample obtained during a calendar day. Calendar month average is defined as the average of any number of daily values obtained during a calendar month.

Sampling Point Name: TOT			
Parameter	Minimum	Calendar Day Maximum	Calendar Month Average
Arsenic, total (As)		0.04 mg/L	0.04 mg/L
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)		1.0 mg/L	
¹ COD:BOD		6:1	
Cadmium, total (Cd)		0.04 mg/L	0.04 mg/L
Chromium, total (Cr)		1.9 mg/L	1.0 mg/L
Copper, total (Cu)		2.0 mg/L	1.0 mg/L
Cyanide, total (CN)		0.4 mg/L	0.2 mg/L
² HRSD Toxic Organics (TO)		2.13 mg/L	
Lead, total (Pb)		0.8 mg/L	0.4 mg/L
Mercury, total (Hg)		0.008 mg/L	0.004 mg/L
Nickel, total (Ni)		0.8 mg/L	0.4 mg/L
Phenolic Compounds (Phenols)		0.8 mg/L	0.4 mg/L
³ SGT-HEM (O&G)		50 mg/L	50 mg/L
Silver, total (Ag)		0.20 mg/L	0.10 mg/L
Zinc, total (Zn)		2.1 mg/L	1.0 mg/L
pH (pH)	5.0 SU		
⁴ Permit Flow (PF)		1,000,000 GPD	595,500 GPD

1 Analyses exceeding the 6:1 COD:BOD ratio limitation will require that the actual daily flow be compared to the applicable Discharge Volume/COD Criteria Concentration as indicated under the COD:BOD Ratio Authorization Criteria which is available at www.hrsd.com. If the actual daily flow is not available, the permitted calendar month average flow will be used.

2 No single parameter concentration shall exceed 1.0 mg/L.

3 Limit given is expressed in two significant figures.

4 The flow quantities listed are not enforced as Permit limitations.



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SECTION II
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Sampling Point Name: OWTS			
Parameter	Minimum	Calendar Day Maximum	Calendar Month Average
Arsenic, total (As)		0.4 mg/L	0.4 mg/L
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)		1.0 mg/L	
¹ COD:BOD		6:1	
Cadmium, total (Cd)		0.4 mg/L	0.4 mg/L
Chromium, total (Cr)		20.0 mg/L	8.0 mg/L
Copper, total (Cu)		20.0 mg/L	8.0 mg/L
Cyanide, total (CN)		4.0 mg/L	2.0 mg/L
² HRSD Toxic Organics (TO)		2.13 mg/L	
Lead, total (Pb)		8.0 mg/L	4.0 mg/L
Mercury, total (Hg)		0.08 mg/L	0.04 mg/L
Nickel, total (Ni)		8.0 mg/L	4.0 mg/L
Phenolic Compounds (Phenols)		8.0 mg/L	4.0 mg/L
³ SGT-HEM (O&G)		400 mg/L	400 mg/L
Silver, total (Ag)		2.0 mg/L	1.00 mg/L
Zinc, total (Zn)		20.0 mg/L	8.0 mg/L
pH (pH)	5.0 SU		
⁴ Permit Flow (PF)		19,999 GPD	12,000 GPD

¹ Analyses exceeding the 6:1 COD:BOD ratio limitation will require that the actual daily flow be compared to the applicable Discharge Volume/COD Criteria Concentration as indicated under the COD:BOD Ratio Authorization Criteria which is available at www.hrsd.com. If the actual daily flow is not available, the permitted calendar month average flow will be used.

² No single parameter concentration shall exceed 1.0 mg/L.

³ Limit given is expressed in three significant figures.

⁴ The flow quantities listed are not enforced as Permit limitations.



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SECTION III
MONITORING REQUIREMENTS

The following sample(s) shall be collected as specified:

Sampling Point	Quantity	Type	Frequency	Parameter(s)
TOT HRSD pump station (Bldg 1619) bar screen area or manhole in parking lot adjacent to pump station	1	Composite	Quarterly	Zinc, total
TOT HRSD pump station (Bldg 1619) bar screen area or manhole in parking lot adjacent to pump station	1	Grab	Quarterly	pH
OWTS Manhole near Bldg 410	1	Grab	Quarterly	pH SGT-HEM (O&G)

1. Composite samples shall be comprised of at least fifteen (15) minute aliquots composited for the twenty-four (24) hour process discharge day obtained in no fewer than 22 hours and no more than 26 hours.
2. For quarterly monitoring requirements, the first sample shall be collected between January and March, the second sample collected between April and June, the third sample collected between July and September, and the fourth sample collected between October and December of each calendar year in varying months when process discharges occur.
3. Oil & Grease (O&G) samples must be collected, preserved, stored and transported in the same container. O&G samples shall not be obtained by pumping. HEM may be analyzed in lieu of SGT-HEM; however, if the result from HEM is greater than the permitted limit for SGT-HEM, the SGT-HEM portion must also be analyzed. Both HEM and SGT-HEM must be reported following all data submittal requirements.
4. **Certified** results of all analyses for samples collected from the permitted sampling point(s) in a calendar month must be received in this office by the tenth (10th) day of the following month. Transmitting data by facsimile or emailing to p3data@hrsd.com are acceptable methods for meeting this deadline. **Original signatures are not required for submittals to HRSD; however, original certification statements/signatures that are not submitted to HRSD's Pretreatment & Pollution Prevention Division must be retained by the industry for a period of three (3) years.**



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SECTION III
MONITORING REQUIREMENTS

5. If no discharge occurs from the **OWTS** sample point during the calendar month, then a certified "No Discharge" statement must be received in this office by the tenth (10th) day of the following month. Transmitting statements by facsimile or submitted to p3data@hrsd.com are acceptable methods for meeting this deadline. **Original signatures are not required for submittals to HRSD; however, original certification statements/signatures that are not submitted to HRSD's Pretreatment & Pollution Prevention Division must be retained by the industry for a period of three (3) years..**
6. The Permittee shall report at least the same number of significant figures as the permit limit for a given parameter. Regardless of the rounding convention used by the Permittee, the Permittee shall use the convention consistently, and shall ensure that consulting laboratories employed by the Permittee use the same convention.
7. All analyses shall be performed in accordance with Section 502 of the HRSD Industrial Wastewater Discharge Regulations.



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SECTION IV
METERING REQUIREMENTS

Metering shall be as follows:

Meter Type	Primary Purpose	Frequency of Reading	Reading Type	Calibration Certification	Installed Location	HRSD Unique Identifier
EFFL	Billing & Compliance	Daily (M-F)	Totalizer Reading	Annual	Final pump station (Building 1619)	5709730671

1. All meters requiring Meter Reading Submittals, as indicated in the above table, must be received in this office by the tenth (10th) day of the following month. Transmitting summaries by facsimile or submitted to p3data@hrsd.com are acceptable methods for meeting this deadline. **Original signatures are not required for submittals to HRSD; however, original certification statements/signatures that are not submitted to HRSD's Pretreatment & Pollution Prevention Division must be retained by the industry for a period of three (3) years..**
2. All meters requiring Calibration/Certification, as indicated in the above table, shall be certified as accurate to manufacturer's specifications annually and a copy of the certification shall be received in this office no later than December 31st of each year. Transmitting certifications by facsimile or emailing to p3data@hrsd.com are acceptable methods for meeting this deadline. **Original signatures are not required for submittals to HRSD; however, original certification statements/signatures that are not submitted to HRSD's Pretreatment & Pollution Prevention Division must be retained by the industry for a period of three (3) years..**



Hampton Roads Sanitation District
Direct Wastewater Discharge Permit No. 0505-2

SECTION V
SPECIAL CONDITIONS

1. All pretreatment equipment shall be maintained as outlined below, or more frequently, to achieve compliance with effluent limitations listed in this Permit and the HRSD Industrial Wastewater Discharge Regulations.

Type	Name	Location	Valve	Inspection Frequency	Maintenance Frequency
Amalgam Separator	DOCS Dental Ft Eustis	Trailer in parking lot of Building 601	None	As Needed	Manufacturer's Specifications
Amalgam Separator	McDonald Army Health Center (Dental Clinic)	Building 576	None	As Needed	Manufacturer's Specifications
Amalgam Separator	Tignor Dental Facility	Building 669	None	As Needed	Manufacturer's Specifications
Amalgam Trap	DOCS Dental Ft Eustis	Trailer in parking lot of Building 601	None	As Needed	Manufacturer's Specifications
Amalgam Trap	McDonald Army Health Center (Dental Clinic)	Building 576	None	As Needed	Manufacturer's Specifications
Amalgam Trap	Tignor Dental Facility	Building 669	None	As Needed	Manufacturer's Specifications
Food Service Grease Control Device	Burger King	Building 1328	None	As Needed	25% Rule
Food Service Grease Control Device	BX Food Court	Building 1386	None	As Needed	25% Rule
Food Service Grease Control Device	Commissary	Building 1382 B	None	As Needed	25% Rule
Food Service Grease Control Device	Commissary	Building 1382 A	None	As Needed	25% Rule
Food Service Grease Control Device	Fort Eustis Army Reserve Center	Building 1034	None	As Needed	25% Rule
Food Service Grease Control Device	Fort Eustis Club	Building 2123	None	As Needed	25% Rule
Food Service Grease Control Device	General Stanford Elementary School	Building 929	None	As Needed	25% Rule
Food Service Grease Control Device	Lakeside Catering	Building 828	None	As Needed	25% Rule



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Type	Name	Location	Valve	Inspection Frequency	Maintenance Frequency
Food Service Grease Control Device	Madison Child Development Center	Building 926	None	As Needed	25% Rule
Food Service Grease Control Device	McDonald Army Health Center	Building 576	None	As Needed	25% Rule
Food Service Grease Control Device	Pershing Avenue Child Development Center	Building 1140	None	As Needed	25% Rule
Food Service Grease Control Device	Pizza Hut	Building 677 A	None	As Needed	25% Rule
Food Service Grease Control Device	Pizza Hut	Building 677 B	None	As Needed	25% Rule
Food Service Grease Control Device	Resolute Dining Facility	Building 695	None	As Needed	25% Rule
Food Service Grease Control Device	School Age Services	Building 925	None	As Needed	25% Rule
Food Service Grease Control Device	Strike Zone Bowling Center	Building 675	None	As Needed	25% Rule
Food Service Grease Control Device	Subway	Building 704	None	As Needed	25% Rule
Food Service Grease Control Device	The Grille at the Pines	Building 3518	None	As Needed	25% Rule
Food Service Grease Control Device	TRADOC Headquarters Snack Bar	Building 950	None	As Needed	25% Rule
Food Service Grease Control Device	Warrior's Cafe	Building 2300 A	None	As Needed	25% Rule



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Type	Name	Location	Valve	Inspection Frequency	Maintenance Frequency
Food Service Grease Control Device	Warrior's Cafe	Building 2300 B	None	As Needed	25% Rule
Oil/Water Separator	10th Battalion Motor Pool	Building 886	None	Monthly	As Needed
Oil/Water Separator	10th Transportation Battalion Motor Pool	Building 851	Sanitary/Storm Auto	Monthly	As Needed
Oil/Water Separator	AAFES Car Wash	Building 703	None	Monthly	As Needed
Oil/Water Separator	Aviation Support Facility	Building 2448	None	Monthly	As Needed
Oil/Water Separator	Aviation Support Facility Washrack	Building 2448	Sanitary/Storm Auto	Monthly	As Needed
Oil/Water Separator	Elevator Sump Admin Building	Building 662	None	Monthly	As Needed
Oil/Water Separator	Elevator Sump ATMT-RM HQ Center	Building 210	None	Monthly	As Needed
Oil/Water Separator	Equipment Concentration Site #93	Building 2505	None	Monthly	As Needed
Oil/Water Separator	FCD Compound	Building 2411A	None	Monthly	As Needed
Oil/Water Separator	Fire Department/Security Forces	Building 648	None	Monthly	As Needed
Oil/Water Separator	Fire Station #2 Air Field	Building 2401	None	Monthly	As Needed
Oil/Water Separator	Helicopter Maintenance Training Facility	Building 27600	None	Monthly	As Needed
Oil/Water Separator	JBLE-Eustis US Army Reserve Center Maintenance Shop (A)	Building 1035	Sanitary/Storm Auto	Monthly	As Needed
Oil/Water Separator	JBLE-Eustis US Army Reserve Center Maintenance Shop (B)	Building 1035	None	Monthly	As Needed



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Type	Name	Location	Valve	Inspection Frequency	Maintenance Frequency
Oil/Water Separator	Mud Rack	Building 2705	Sanitary/Storm Auto	Monthly	As Needed
Oil/Water Separator	Port Security Unit USCG	Building 2744	Sanitary/Storm Auto	Monthly	As Needed
Oil/Water Separator	POV Car Wash	Building 659	None	Monthly	As Needed
Oil/Water Separator	US Army University Elevator Sump	Building 2112	None	Monthly	As Needed
Oil/Water Separator	US Falcon Hangar Left Side	Building 2413 B	None	Monthly	As Needed
Oil/Water Separator	US Falcon Hangar Right Side	Building 2413 A	None	Monthly	As Needed
Oil/Water Separator	US Falcon Hangar Washrack	Building 2414	Sanitary/Storm Auto	Monthly	As Needed
Sedimentation Trap	AAFES Car Wash	Building 703	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	Aviation Support Facility Washrack	Building 2448	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	Equipment Concentration Site #93	Building 2505	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	Fire Department/Security Forces	Building 648	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	JBLE-Eustis US Army Reserve Center Maintenance Shop	Building 1035	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	Mud Rack	Building 2705	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	Port Security Unit USCG	Building 2744	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	POV Car Wash	Building 659	None	As Needed	Manufacturer's Specifications
Sedimentation Trap	US Falcon Hangar Washrack	Building 2414	None	As Needed	Manufacturer's Specifications
Water Treatment System	Third Port Oily Water Treatment System	Building 410	None	As Needed	Manufacturer's Specifications



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SPECIAL CONDITIONS

2. All sanitary/storm diversion valves must be operated and maintained according to the manufacturer's specifications at all times.
3. An inspection/service log must be maintained for these pretreatment devices indicating the inspector's initials, inspection date and time, valve direction (if applicable), if oil and/or sediment residual removal is required, and actions taken to service the pretreatment device.
4. Residual materials removed from any industrial pretreatment device shall not be discharged directly or indirectly into the HRSD system. Food service grease control device residuals shall not be discharged directly into the HRSD system, however, food service grease control device residuals may be discharged indirectly by waste haulers holding HRSD Indirect Wastewater Discharge Permits at locations authorized by HRSD.
5. There shall be no visible free oil present at any time in the facility's permitted sampling point(s).
6. Pursuant to 40 CFR 266.505, all healthcare facilities are prohibited from discharging hazardous waste pharmaceuticals to the sewerage system.
7. There shall be no discharge of wastewater that has been in contact with Aqueous Film Forming Foam (AFFF) either directly or indirectly into the HRSD system.
8. All food service grease control devices (GCD) (including contractor owned) shall be pumped out completely when the total accumulation of surface fats, oils and grease, (FOG) including floating solids and settled solids, reaches twenty-five percent (25%) of the overall liquid volume. Decanting or discharging of removed wastewater back into the grease interceptor or into any portion of sanitary sewerage system is prohibited. At no time shall a GCD be cleaned less frequently than once every three (3) months unless allowed by HRSD for good cause shown. Such approval will be granted on a case-by-case basis upon submittal of a request by the permittee documenting reasons for the proposed frequency variance. HRSD shall not approve any request unless the permittee demonstrates that the frequency change will not result in the introduction of any greater quantities of FOG into the sanitary sewerage system than would otherwise be introduced, and in no event shall the content of food solids and fats, oils, and grease exceed twenty-five percent (25%) of the overall liquid depth of the device.
9. HRSD may establish a more frequent cleaning schedule if the GCD is found to be contributing FOG in quantities sufficient to cause line blockages or increased maintenance of the sanitary sewerage system.
10. Unless authorized by HRSD, the use of additives including, but not limited to, products that contain solvents, emulsifiers, surfactants, caustics, acids, enzymes or bacteria are prohibited for use as grease management control. Additives may be used to clean the drain lines so long as the usage of such additives will not cause FOG to be discharged from the GCD to the sewerage system. The use of additives shall not be substituted for the maintenance procedures required by this permit. HRSD shall not approve the use of any additives unless it is determined that such use will have no adverse effects upon the sanitary sewerage system.



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11. The Permittee must maintain a maintenance log for each GCD for the most current one (1) year period. The log must contain at a minimum the date the GCD was cleaned, the estimated volume, and the name of the commercial hauler, if applicable. HRSD may require additional record keeping and reporting, as necessary, to ensure compliance. The GCD maintenance log shall be available on-site for inspection and copying by authorized HRSD personnel.
12. Permit violations must be reported to the HRSD Pretreatment & Pollution Prevention Division in accordance with Section 302 of the HRSD Industrial Wastewater Discharge Regulations.
13. The Permittee is responsible for resampling and analysis of any violated parameter based on self-monitoring within thirty (30) days of becoming aware of the violation.
14. The Permittee must notify the HRSD Pretreatment & Pollution Prevention Division in writing (electronic communication is acceptable) no less than two weeks prior to any major sanitary sewer line cleaning in order to determine appropriate wastewater treatment, disposal, or monitoring requirements.
15. In accordance with Section 206 of the HRSD Industrial Wastewater Discharge Regulations, a permit renewal application must be received in this office at least 180 days prior to the expiration date of the existing Permit. Transmitting this document by facsimile or emailing to p3data@hrsd.com are acceptable methods for meeting this deadline. **Original signatures are not required for submittals to HRSD; however, original certification statements/signatures that are not submitted to HRSD's Pretreatment & Pollution Prevention Division must be retained by the industry for a period of three (3) years.**