



January 11, 2022

Tim Hagan  
President  
Howco Environmental Services, Inc.  
3701 Central Avenue  
St. Petersburg, Florida 33713

**Re: Renewal of Industrial Wastewater Discharge Permit # SPFL-562219-CIU-86-32**

Dear Mr. Hagan:

Enclosed please find the renewed industrial wastewater discharge permit (IWDP) # **SPFL-562219-CIU-86-32 for the facility located at 843 43<sup>rd</sup> Street South, St. Petersburg, Florida 33711**, which include the special permit conditions (Section 1 Part 9) proposed by the Director.

This IWDP is written on the premise that the City will conduct monthly compliance monitoring and analysis and weekly CBOD and COD analysis at your expense for the three year duration of the permit. Cost of analysis may vary due to fluctuations in lab costs. If there is a violation of any parameter included in the IWDP, you would be informed that extra City demand monitoring would be required at your expense.

If you wish to contract with a certified private laboratory of your own choosing to conduct the required self monitoring sampling and analysis, you will be required to submit the results of these analyses on a monthly schedule. In this case you should inform the City of your decision to use your own certified laboratory and the IWDP will be re-written to this effect.

Any objections you may have regarding this permit should be submitted in writing to the director within 45 days from the receipt of this letter otherwise you will be deemed to have accepted this permit and waived your right to request a hearing.

If no objections to the special permit conditions proposed by the Director are filed within the 45 day time period, you will be deemed to have accepted this permit and waived your right to request a hearing.

Thank you for your cooperation. Should you have any further questions, please do not hesitate to call me at (727) 892-5694 or Nick Kalpakis at (727) 892-5622

Sincerely,

Anthony White  
Industrial Pretreatment Coordinator

Enclosures



City of St. Petersburg  
Water Resources  
1650 Third Avenue N.  
St. Petersburg, FL 33713  
O: 727-893-7261



# INDUSTRIAL WASTEWATER DISCHARGE PERMIT

## CITY OF ST. PETERSBURG FLORIDA

PERMIT NUMBER SPFL-562219-CIU-86-32

In accordance with all the terms and conditions of Division 3 of Article III of Chapter 27, Section 302 through 314, of the St. Petersburg City Ordinance and any applicable provisions of Federal or State law or regulation:

**Howco Environmental Services, Inc.**


Is hereby granted permission to discharge industrial wastewater from a facility located at:

**843 43rd Street South  
St. Petersburg, Florida 33711**


This permit is granted in accordance with the renewal application filed in the office of the Director of Water Resources on October 01, 2021 and in conformity with the plans, specifications and other data which are filed with and considered as part of this permit, together with the appended named conditions and requirements.

**Effective January 15, 2022**

**To expire January 14, 2025**

  
**Nicholas Kalpakis**  
**Industrial Pretreatment Analyst**

Date 12/21/2021

  
**Anthony White**  
**Industrial Pretreatment Coordinator**

Date 12/21/2021

**Environmental Compliance Division  
CITY OF ST. PETERSBURG**



**CITY OF ST. PETERSBURG INDUSTRIAL PRETREATMENT PROGRAM  
SAMPLING AND ANALYTICAL COST BREAKDOWN**

Howco Environmental Services  
843 43rd Street South, St Petersburg, FL 33711

DATES: January 15, 2022 to January 14, 2025

SAMPLE TYPE	UNIT COST	TOTAL #	TOTAL COST
<i>Grab Sample</i>	\$50.00		
<i>Time Composite Sample</i>	\$150.00		
<i>Flow Composite Sample</i>	\$200.00	36	\$7,200.00
<b>GENERAL ANALYSIS</b>			
Antimony	\$10.00		
Arsenic	\$10.00	36	\$360.00
Barium	\$10.00		
Beryllium	\$10.00		
<i>Carbonaceous Biochemical Oxygen Demand</i>	\$13.00	156	\$2,028.00
* Boron	\$10.00	6	\$60.00
Cadmium	\$10.00	6	\$60.00
<i>Chemical Oxygen Demand</i>	\$19.50	156	\$3,042.00
<i>Chloride</i>	\$13.00	36	\$468.00
<i>Chromium (total)</i>	\$10.00	36	\$360.00
<i>Copper</i>	\$10.00	36	\$360.00
Cobalt	\$10.00	6	\$60.00
* Cyanide (total)	\$20.50	12	\$246.00
* Fluoride	\$17.50		
<i>Lead</i>	\$10.00	36	\$360.00
* Mercury	\$16.50	6	\$99.00
Molybdenum	\$10.00	6	\$60.00
<i>Nickel</i>	\$10.00	6	\$60.00
<i>pH</i>	\$5.00	36	\$180.00
* Phenol	\$22.50	36	\$810.00
Selenium	\$10.00	6	\$60.00
* Oil & Grease Total (1664-OG W)	\$30.50		
* Total Recoverable Petroleum Hydrocarbons	\$32.50	36	\$1,170.00
* Animal & Vegetable	calculated from Total Oil and Grease		
<i>Silver</i>	\$10.00	6	\$60.00
Sulfate	\$9.00		
* Sulfide	\$14.50		
Thallium	\$10.00		
Tin	\$10.00	6	\$60.00
<i>Total Suspended Solids</i>	\$7.80		
Zinc	\$10.00	36	\$360.00
<b>ORGANIC ANALYSIS</b>			
* EPA Method 602 (Purgeable Aromatics)			
* EPA Method 608 (Organochlorine Pesticides & PCBs)	\$72.50	6	\$435.00
* EPA Method 610 (Polynuclear Aromatic Hydrocarbons)			
<i>EPA Method 624(Purgeable Organics)</i>	\$62.50	36	\$2,250.00
* EPA Method 625 (Base-Neutral Extractables)			
* EPA Method 625 (Acid Extractables)			
* EPA Method 625 (Base Neutral/Acid Extractables)	\$122.50	12	\$1,470.00
<i>EPA Method 625 or 624 (NIST library search) 10 Cmpds</i>			
* Priority Pollutant Inorganics			
* Total Toxic Organic (624, 625, 608)		0	
			\$21,678.00
MONTHLY COST			\$602.17

Sub samples include \$2.50 each bottle disposal fee

\* - sample farmed out to a certified lab for analysis.

*italics means the amount charged is written in city code*

updated 11/17/21

**INDUSTRIAL WASTEWATER DISCHARGE PERMIT**

**PERMIT # SPFL-562219-CIU-86-32**

Issued by the

**CITY OF ST. PETERSBURG**

**FLORIDA**

to

**HAGAN HOLDING COMPANY d/b/a  
HOWCO ENVIRONMENTAL SERVICES**

843 43rd Street South

St. Petersburg, FL 33711

**PERMIT NO. SPFL-562219-CIU-86-32**

**CITY OF ST PETERSBURG INDUSTRIAL PRETREATMENT PROGRAM**

**INDUSTRIAL WASTEWATER DISCHARGE PERMIT**

**Permit No. SPFL-562219-CIU-86-32**

In accordance with the provisions of Chapter 27, Article III, Sewers and Sewage Disposal, Division 3, Section 27-302 thru 314 of the St. Petersburg City Code, Hagan Holding Company, d/b/a/ Howco Environmental Services located at 843 43rd Street South, St. Petersburg, Florida 33711 is hereby authorized to discharge treated industrial process wastewater to the City of St. Petersburg's sanitary sewer system only through the outfall identified herein and in accordance with the flow rates, effluent limitations, monitoring requirements, and other conditions set forth in Section 1 (Specific) and Section 2 (General) attached hereto and incorporated by reference herein as part of this Industrial Wastewater Discharge Permit (IWDP).

Compliance with this IWDP does not relieve the permittee of its obligation to comply with all pretreatment regulations, standards or requirements under local, State and Federal laws, including any such laws, regulations, standards, or requirements that may become effective during the term of this IWDP.

Noncompliance with the terms and conditions of this IWDP shall constitute a violation of the St. Petersburg sewer use ordinance.

This permit shall become effective on **January 15, 2022** and shall expire at midnight on **January 14, 2025**.

The permittee shall not discharge after the date of expiration. If the permittee wishes to continue to discharge after this expiration date an application must be filed for reissue of this permit in accordance with the requirements of Section 27-309(o) of the St. Petersburg City Code, a minimum of 90 days but not more than 120 days prior to the expiration date.



**Anthony White**  
**Industrial Pretreatment Coordinator**

Date: 12/21/2021



**Nicholas Kalpakis**  
**Industrial Pretreatment Analyst**

Date: 12/21/2021

**Environmental Compliance Division**  
**CITY OF ST. PETERSBURG**

**PERMIT NO. SPFL-562219-CIU-86-32**

**PERMITTEE**

**Howco Environmental Services**  
843 43<sup>rd</sup> Street South  
St. Petersburg, FL 33711

**SECTION 1. SPECIFIC CONDITIONS**

**PART 1. OPERATION AND EFFLUENT ORIGINS**

**A. Description and Regulation of Operation**

Hagan Holding Company d/b/a/ Howco Environmental Services, operating at 843 43<sup>rd</sup> Street South, St. Petersburg, Florida 33711 is identified for the purposes of this Industrial Wastewater Discharge Permit (IWDP) as a centralized waste treatment (CWT) facility. The facility uses Tanker trucks to collect contaminated oils and selected industrial wastewaters. Contaminated oils are treated to recover the oil for resale. Pollutants are removed from contaminated industrial wastewaters by passing them through a multiple process pretreatment system prior to discharge to the sanitary sewer.

This facility is identified under parts (1), (2) and (5) of the definition of a "significant industrial user" contained in Section 27-302 of the St. Petersburg City Code. This facility is identified as a Centralized Waste Treatment Point Source Facility and is subject to the federal regulations established in 40 CFR Part 437 at the "end of process". This facility is also subject to St. Petersburg's general and specific wastewater pollutant limits and local limits contained in Section 27-307 of the St. Petersburg City Code. St. Petersburg's limits apply at the "end of pipe" total facility discharge.

The facility has submitted an amended "Baseline Monitoring Report" dated August 19, 2003 in which they requested that the facility be regulated under Subcategory D (sub-parts B and C) of the 40 CFR Part 437 regulations for multiple wastestreams - oils and organics. On October 29, 2003 the facility submitted an "equivalent treatment" evaluation of the treatment train to substantiate their capability to treat mixed batches of oily and organic bearing wastewaters to acceptable removal rates. This evaluation has been accepted by the City and this IWDP is issued based on a 40 CFR Part 437.46(a) and (e), Subcategory D, Subparts B and C, categorization of the facility.

Any change in the operation, construction or treatment process of the pretreatment system must be approved by the Director at least 30 days prior to the change taking place.

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**B. Origins of Wastewater**

Wastewater discharged to the Water Reclamation Facility (WRF) from this facility is described below.

<b>Wastestream Designation</b>	<b>Wastestream description</b>
Wastestream 1	<p>Receipts of oily wastes as defined by 40 CFR 437.2(p). Oily wastes are wastes and/or used materials that contain oil and grease (generally at or in excess of 100 mg/L) from manufacturing, processing facilities or other commercial operations. This wastestream is regulated by 40 CFR 437. Such receipts include:</p> <ul style="list-style-type: none"><li>• used oils,</li><li>• oil-water emulsions or mixtures,</li><li>• lubricants,</li><li>• coolants,</li><li>• contaminated groundwater clean-up from petroleum sources,</li><li>• used petroleum products,</li><li>• oil spill clean-up,</li><li>• bilge water,</li><li>• rinse/wash waters from petroleum sources,</li><li>• interceptor wastes,</li><li>• off-specification fuels,</li><li>• underground storage Tank remediation waste, and</li><li>• Tank clean out from petroleum or oily sources.</li></ul>
Wastestream 2	<p>Receipts of organic wastes defined by 40 CFR 437.2(r). Organic wastes means wastes and/or used materials that contain organic pollutants, but not a significant quantity of oil and grease (generally less than 100 mg/L) from manufacturing or processing facilities or other commercial operations. Such receipts include:</p> <ul style="list-style-type: none"><li>• landfill leachate,</li><li>• contaminated groundwater clean-up from non-petroleum sources,</li><li>• solvent-bearing wastes,</li><li>• off-specification organic product,</li><li>• still bottoms,</li><li>• byproduct glycols,</li><li>• wastewater from paint washes,</li><li>• wastewater from adhesives and/or epoxies,</li><li>• wastewater from chemical product operations, and</li><li>• Tank clean-out from organic, non-petroleum sources.</li></ul>
Wastestream 3	<p>Wastewater generated on-site from used oil processing. This wastestream is regulated by 40 CFR 437.</p>
Wastestream 4	<p>Wastewater generated on-site from CWT operations besides used oil processing. This wastestream is regulated by 40 CFR 437 such wastewater includes:</p> <ul style="list-style-type: none"><li>• equipment/area wash down,</li><li>• water separated from recovered/recycled materials,</li></ul>



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Wastestream 4 cont.	<ul style="list-style-type: none"><li>• contact/wash water from recovery and treatment operations (e.g. filtrate from solids de-watering),</li><li>• transport container wash down,</li><li>• solubilization wastewater,</li><li>• laboratory-derived wastewater,</li><li>• air pollution control wastewater,</li><li>• Contaminated storm water (e.g. storm water collected within secondary containment structures.).</li></ul>
Wastestream 5	Sanitary wastewater from lavatories, lavatory floor drains, sinks, showers, water coolers, etc.

Wastewater from any other source shall not be processed without the prior permission of the Director in writing.

**C. Pretreatment System – permittee employs the following pretreatment equipment and /or procedures**

<b>Wastestream Designation</b>	<b>Pretreatment Description</b>
Wastestream 1	Gravity separation, emulsion breaking, coagulation, flocculation, dissolved air floatation and air stripping are used to remove oily wastes from this wastestream. Gravity separation is conducted on a batch basis in Tanks 153, 154, 160-165. On a batch basis the wastewater is treated in one of two Dissolved Air Flotation units where the pH is raised to 9.9 units using sodium hydroxide followed by a chemical feed of flocculants added to the cone bottom tank designated as Tank 192. Sludges from the cone is drawn off to a sludge holding Tank to be pressed. The treated wastewater passes thru a sand filter, tray stripper and chlorine dioxide generator before being stored in one of four treated wastewater Tanks 151R1, Tank 152C (consisting of tanks 147, 148 and 149 connected together with influent and effluent manifolds creating one-60,000 gal storage tank) or 166R2. After tests of the treated water indicate it is suitable for discharge, the wastewater passes thru a tower stripper and Parshall Flume before entering the city sewer system.
Wastestream 2	Treated using the same treatment steps listed above, except for raising the pH to 10.9 units with sodium hydroxide.
Wastestream 3 and 4	Treated using the same treatment steps listed in Wastestream 1.
Wastestream 5	No pretreatment is required for this wastestream.

Wastewaters from the on-site waste oil processing plant and the various industrial and commercial collection sites, as indicated above, are treated by passing them through a pretreatment system. The schematics of this pretreatment system have been submitted to the City of St. Petersburg as part of the application for the original IWDP in a document entitled "Howco waste-processing flow schematic" together with the update of this schematic prepared by Vlastimir W. Djordjevic, P.E. of 6733 1<sup>st</sup> Avenue South, St. Petersburg and dated May 17, 1999. Further modifications to this system together with an updated schematic diagram submitted on December 13, 2018. All operations regulated by this IWDP shall pass through the following treatment train:

1. All untreated wastewaters shall enter the system through the untreated water entry manifold.



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2. Untreated water shall be stored or blended in any of the Tanks labeled 153, 154, 160, 161, 162, 163, 164, or 165.
3. Water from any of the above Tanks shall be discharged into the batch treatment Tank labeled "Treatment Tank 192".
4. Treated water from Treatment Tank 192 shall pass directly through the sand filter, shallow tray air stripper and the chlorine dioxide generator. If the chlorine dioxide generator is off-line, potassium permanganate is used as an alternative treatment. (See Figure 1 on page 7).
5. From the shallow tray air stripper and the chlorine dioxide generator, treated effluent shall be discharged through the valve manifold system to either Tank 151R1, Tank 152C (consisting of tanks 147, 148 and 149 connected together with influent and effluent manifolds creating one-60,000 gal storage tank), or Tank 166R2 [see the photograph of the valve manifold system (figure 3) and schematic diagram of the system (figure 1) of this IWDP]. The valve manifold system shall be constructed so that effluent can only be directed to flow from the tray stripper pipeline to either Tank 151R1, Tank 152C or Tank 166R2. When the handles on the valve manifold system are moved to the discharge position through a 90 degree turn, the effluent from either Tank 151R1, Tank 152C, or Tank 166R2 is directed towards the center valve on the manifold labeled "discharge effluent". Depending on the position of the operating handle, the center valve shall allow effluent from either Tank 151R1, Tank 152C or Tank 166R2 to flow to the tower stripper and on to the effluent pipeline through the Parshall Flume to the sewer system as shown in Figure 1 of this IWDP. The center valve shall be constructed so that effluent from Tank 151R1, Tank 152C and Tank 166R2 cannot at any time be discharged at the same time to the tower stripper pipeline. Tank 192 will also be used to hold the discharge from the sand-filter when it is backwashed from Tank 166R2. Provisions shall also be made to ensure that the wastewater in any of the three tanks, 151R1, Tank 152C or 166R2 can be returned prior to the tray stripper treatment system if at any time it is determined to be unsuitable for discharge to the sewer system.

Any proposed modifications to the pretreatment system made during the duration of this IWDP must be reported to the Director at least 30 days before implementation. Updated "as built" plans of the system must be submitted to the Director as soon as any approved modifications have been installed.

All wastewaters must pass through all pretreatment processes indicated in the updated schematic prior to discharge to the sewer system. No pretreatment process may be bypassed without the prior written permission of the Director.

**PART 2. EFFLUENT LIMITATIONS**

**A. Outfall**

During the period from January 15, 2022, to January 14, 2025, the permittee is authorized to discharge processed wastewater to the City of St. Petersburg's sanitary sewer system from the pipeline running from the discharge side of the tower stripper and through the Parshall Flume as indicated in the modified wastewater pretreatment process flow diagram document submitted as part of the application for this IWDP and included in Figure 1 on page 7 and in an aerial photograph on page 8 of this IWDP.

The permittee shall apply in writing to the Director for permission to discharge processed wastewater at any other outfall than the one indicated above. Reasons for the change and detailed plans and drawings of the proposed new outfall must accompany the request.

**B. Specific Discharge Limitations**

During the period from January 15, 2022, to January 14, 2025, the discharge from the outfall listed above shall not exceed the following effluent limitations identified in Table 1 on page 13. Effluent from this outfall consists of processed wastewater discharged at end of pipe from the pretreatment system as described and documented in the original application for this IWDP.

Howco Environmental Services is authorized to discharge industrial wastewater with higher concentrations of Total Oil & Grease than the limit of 400 mg/L, as set forth in the City's Municipal Code Chapter 27, Article III, Division 3, Section 27-307(a)(7). Howco submitted a technical evaluation (located in Howco's digital folder) prepared by Environmental Engineering Consultants, Inc. on November 19, 2021, as required per City Municipal Code Chapter 27, Article III, Division 3, Section 27-307(a)(7), demonstrating that the Total Oil & Grease concentrations in Howco's industrial discharge will have no adverse effects to the City's wastewater collection and treatment facilities or to the biosolids and reclaimed water generated from those facilities.

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Figure 1 - Process and Flow Diagram of Waste treatment at Howco

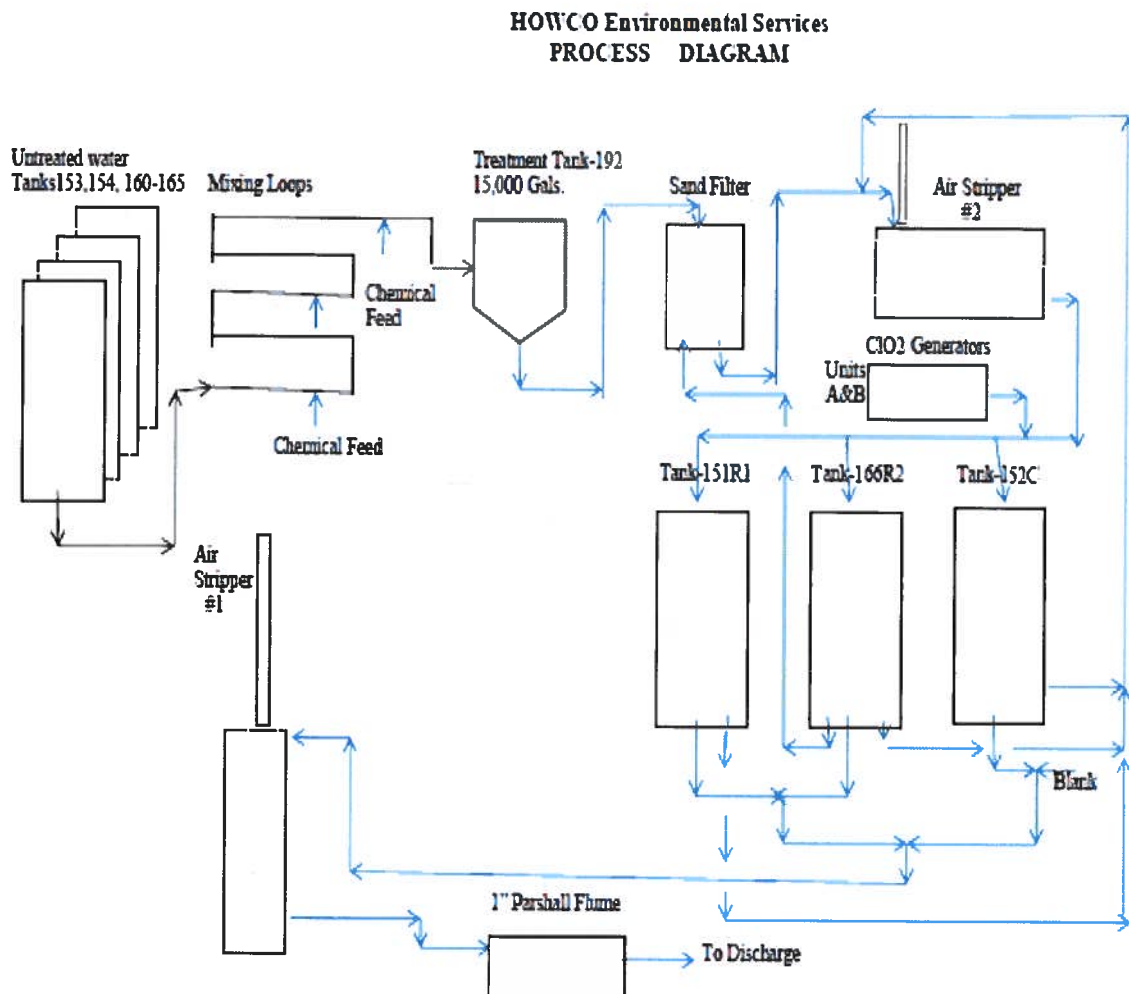




Figure 2 - Aerial Photograph of Howco Environmental Services

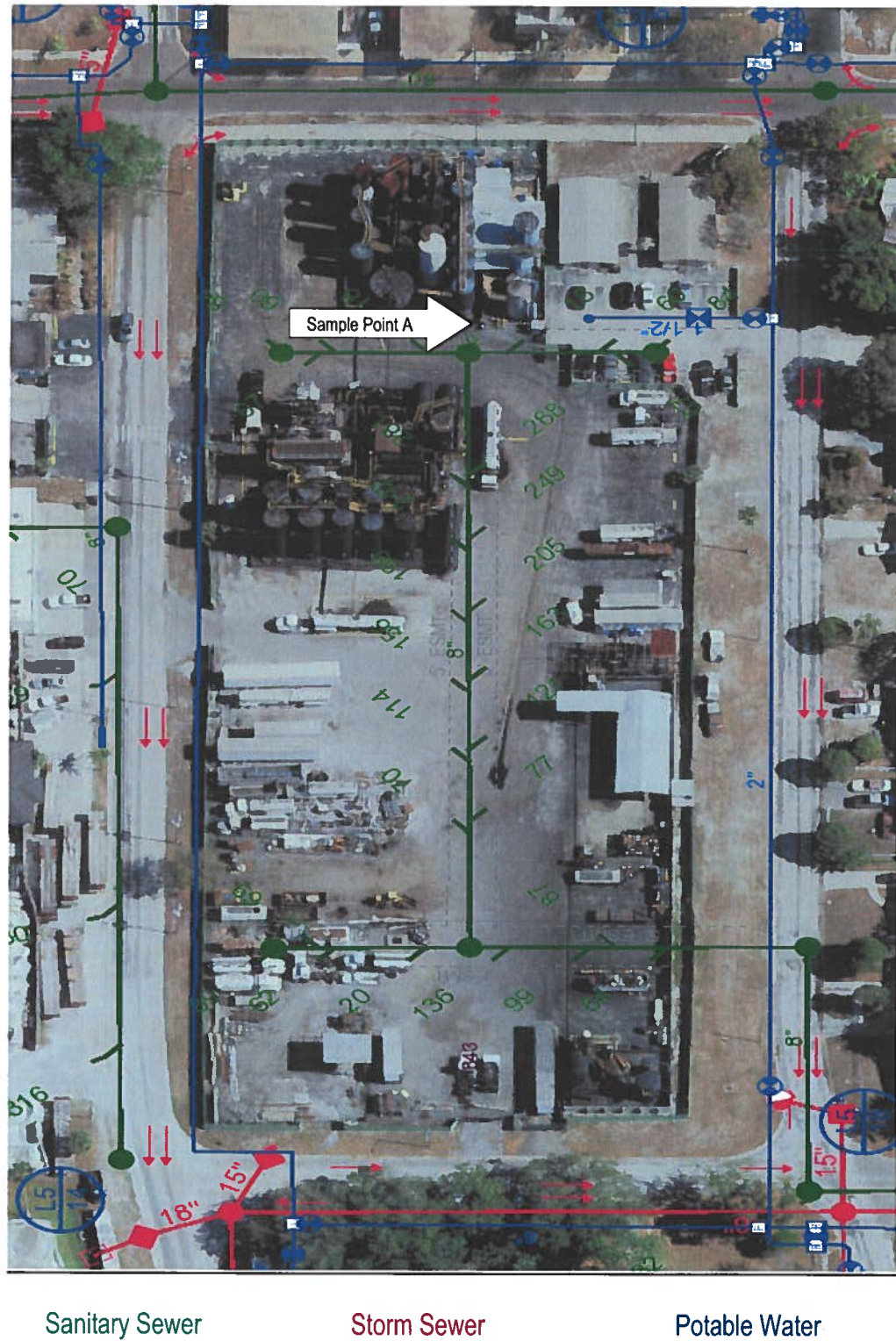
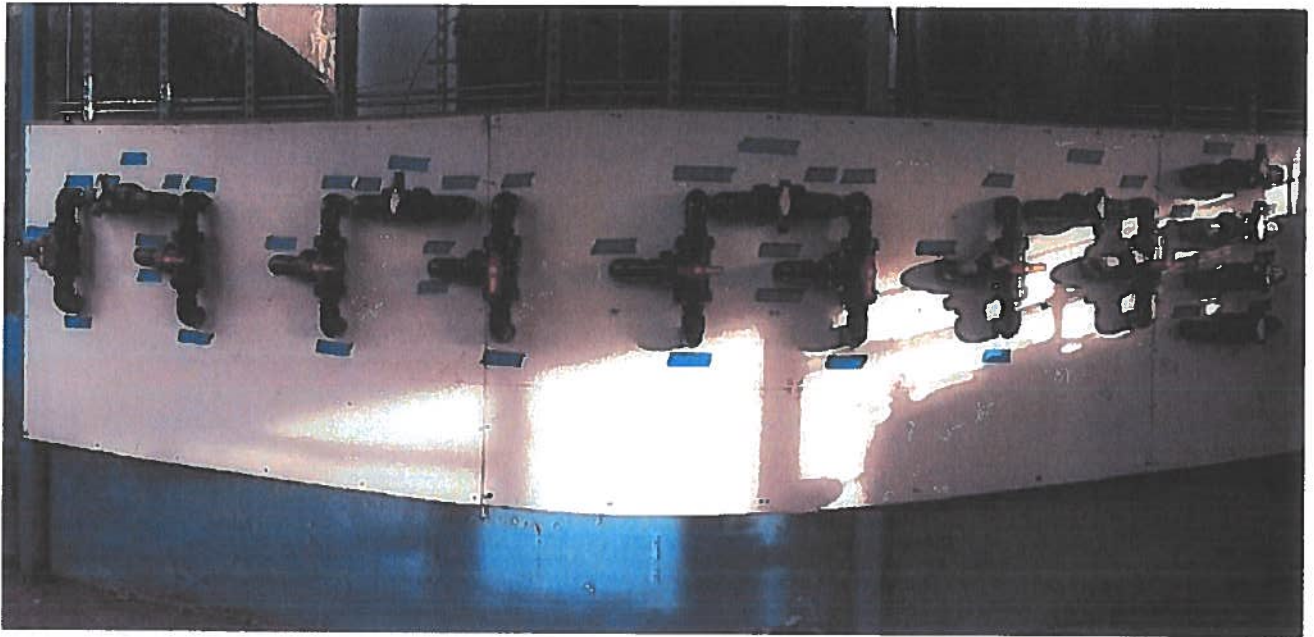
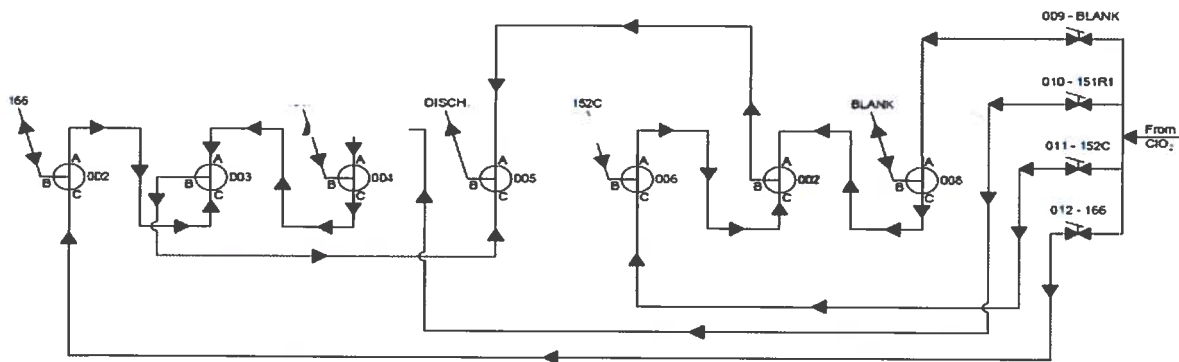


Figure 3 - Photo of Valve configuration



**3-WAY DISCHARGE MANIFOLD SYSTEM**



**FLOW DIAGRAM OF 3-WAY DISCHARGE MANIFOLD SYSTEM**



C. Total Daily Flow Volume and Flow Rate

Continuous flow volumes during all periods of discharge shall be measured by an approved flow volume measurement device, the ultrasonic flow meter, located in the process line at the Parshall Flume just prior to the point of discharge to the sewer. This flow measurement device must be capable of directly reporting gallons per day and gallons per minute on a continuous basis. The total volume displayed will be recorded at the same time each day in a field notebook. The concentration of the Chemical Oxygen Demand (COD) and Boron as set forth in Part 3 Paragraph A of this section shall determine the rate of flow in gallons per minute as shown in Table 2 in Part 3 Paragraph A of this IWDP on page 15. The total mass of COD shall never exceed 3,000 pounds per day and/or the mass of Boron shall never exceed 4.0 (four) pounds per day. The wastewater volume shall never exceed 36,000 gallons per day under any circumstances.

Continuous flow rates during all periods of discharge shall be measured by an approved flow rate measurement device. Flow measurement/controller device(s) shall be used to set the flow rate for discharge based on the maximum allowable mass COD and Boron discharge limit as set forth in Table 2 in Part 3, paragraph A of the section. The flow measurement/controller device(s) must be capable of either directly reporting flow rates on a continuous permanent record or by the use of a software interrogation program to download this information to a computer. The flow rate in any one day period may be variable depending on the COD and Boron concentration and maximum allowable mass COD and Boron discharge limit. The flow rate shall never exceed 25 gallons per minute under any circumstances. The flow measurement device(s) are to be calibrated on a semi-annual basis as required per the St. Petersburg's City Code Sec. 27-308, (b)(4). Calibration records shall be maintained and made available upon request.

*Added*

Flow measurement is currently performed by an ultrasonic transducer, mounted above the 1" Parshall flume. The transducer's signal is fed to a Precision Digital flow controller and Totalizer. The controller compares the actual discharge flow-rate to the set point and signals the Valworx, Model Positoner 4-20mA/0-10VDC to adjust the flow accordingly. The controller also sends a signal to the Honeywell circular chart recorder, which records the flow on a permanent record.

D. Chemical Oxygen Demand (COD) Limitations

COD limitations on the wastewater discharge from the facility shall be as follows:

- a. The maximum mass discharge of COD at any instantaneous time throughout the discharge period shall not exceed **2.085 pounds per minute** as calculated by the following formula. COD in pounds per minute = (discharge volume in millions of gallons per day multiplied by COD concentration in mg/l multiplied by a conversion constant of 8.34) divided by 1,440 minutes per day. A table showing the maximum allowable discharge volume at various COD concentrations is included as Table 2 of this IWDP on page 15.
- b. The maximum concentration of COD at any instantaneous time throughout the discharge period shall never exceed **40,000 mg/L**, even when the mass discharge limit is not being exceeded.

E. Boron (B) Limitations

Boron limitations on the wastewater discharge from the facility shall be as follows:



**PERMIT NO. SPFL-562219-CIU-86-32**

- a. The maximum mass discharge of Boron at any instantaneous time throughout the discharge period shall not exceed **4.0 (four) pounds per day or 0.0028 pounds per minute** = (discharge volume in millions of gallons per day multiplied by Boron concentration in mg/l multiplied by a conversion constant of 8.34) divided by 1,440 minutes per day. A table showing the maximum allowable discharge volume at various Boron and COD concentrations is included as Table 2 of this IWDP on page 15.
- b. The maximum concentration of Boron at any instantaneous time throughout the discharge period shall never exceed **74.01 mg/l**, even when the mass discharge limit is not being exceeded.

**PART 3. SAMPLING AND MONITORING REQUIREMENTS**

**A. Operation, Sampling and Monitoring of the Discharge Tank System**

**1. Operation**

The permittee shall update the standard operating procedure (SOP) for the discharge of wastewater from either Tank 151R1, Tank 152C or Tank 166R2. Howco's SOP HWI-051 Revision 11 on file at the City is incorporated as part of this IWDP. The valve manifold system is configured to fill Tank 151R1, Tank 152C or Tank 166R2 from the tray stripper outlet. Howco's SOP HWI-051 Revision 5 and any related SOPs shall be used to operate this manifold.

**2. Sampling**

For the determination of Boron concentration the permittee will be allowed to sample untreated water. This allowance is granted based on the following two criteria:

- a. Information gained from a study conducted by the permittee in February 2008 indicated that there is no significant removal of Boron during the treatment process.
- b. Sample results of treated water would have a minimum turn-around of 24 hours, this would delay the discharge of the water in that particular tank. This delay could keep the permittee from treating additional batches of water which may hinder their ability to maintain normal day-to-day operations. Also, the City recognizes that there would be extra costs incurred by the permittee to expedite the analysis of Boron. The city concedes that by sampling the untreated water, costs can be minimized without sacrificing the accuracy of the Boron concentration in the discharge.

The values obtained shall be used on mixtures as well as individual batches of untreated water to determine the applicable flow rate for discharge.

For the determination of Chemical Oxygen Demand (COD), the following procedure shall be followed. When either Tank 151R1, Tank 152C or Tank 166R2 has been filled with wastewater, grab samples of wastewater shall then be taken from the TOP, MIDDLE, and BOTTOM of the Tank by approved methods to be detailed in Howco's "Sampling of Treated Water-HWI-WP-051.1" SOP. Each of these samples shall be analyzed in the permittee's laboratory for Chemical Oxygen Demand (COD) by an approved method to be detailed in Howco's "COD Testing Procedure-HWI-WP-051.2" SOP. The highest numerical value of these three COD results shall be used to determine applicable flow rate for discharge.

The final flow rate shall be calculated so that not more than 2.085 pounds of COD per minute and not more than 0.0028 pounds of Boron per minute are discharged to the City's sewer system by a method to be described in the SOP. Examples of allowable flow rates at different COD and Boron concentrations are tabulated on page 15 of this IWDP. Whichever numerical value from the COD and the Boron analyses results in the lowest flow rate as identified on Table 2 on page 15 will be used to set the flow rate for the discharge of the batch tank. This will be verified by measuring the level in the one inch Parshall Flume. Once the discharge flow rate has been determined, the SOP must itemize in detail the exact sequence in which the valves and flow meters must be set to ensure this calculated flow rate is maintained throughout the duration of the discharge period. Once any of the three Tanks has begun to discharge at the calculated rate, it must be emptied at that discharge rate.

While one of the three Tanks is in the process of emptying, COD samples may be taken on the TOP, MIDDLE and BOTTOM of either of the other two Tanks that has received all of the batch discharge and is no longer being filled. Once again, the highest numerical value of these three COD results shall be used to determine the applicable flow rate for discharge purposes of the new Tank. In addition the concentration of Boron can be determined using results from all associated untreated water sources. That Boron value will be used to determine the applicable flow rate for the discharge. Whichever numerical value from the COD and the Boron analyses results in the lowest flow rate as identified on Table 2 on page 15 will be used to set the flow rate for the discharge of the batch tank. This will be verified by measuring the level in the one inch Parshall Flume.

Once any one of the three Tanks has been emptied, the valve manifold system may then be reconfigured to fill either of the other Tanks that are full and have been configured for a new flow rate. The exact methodology of the discharge changeover from one Tank to another including the sequence in which valves, flow meter controls, etc., shall be operated, must be described in detail in the SOP.

### 3. Monitoring

Separate log sheets of all COD and Boron analyses on each batch discharge shall be maintained for Tanks 151R1, 152C and 166R2. These log sheets shall also contain the total volume data for each batch and the calculated flow rate for each maximum batch COD concentration. The logs shall also contain the result of each required DAILY flow composite COD analysis as referred to in Part 3D below. A sample of this recordkeeping form is attached to this IWDP as the **Discharge Tank Monitoring Requirement Form**. A copy of the completed form for each batch discharge performed during that month shall be maintained on-site for the City to review during periodic inspections.

The **Batch Discharge Tank Summary Form** attached to this IWDP shall be completed for each batch discharge for the reporting month and shall be submitted with the monthly report

**Table 1 - EFFLUENT LIMITATIONS**

PARAMETERS (c)	Footnote	Maximum Daily Average (d)	Max. Monthly Average (d)	UNITs
2,4,6Trichlorophenol		155.0	106.0	ug/l
Arsenic		300.0	-	ug/l
Bis(2 ethyl hexyl) phthalate		267.0	158.0	ug/l
Boron	a	74.01	-	mg/l
Boron	a	4.0		#/day
BTEX	f,g	2000.0	-	ug/l
Cadmium		120.0	-	ug/l
Carbazole		392.0	233.0	ug/l
cBiochemical Oxygen Demand	b	40000.0	-	mg/l
Chemical Oxygen Demand	a	3000.0	-	#/day
Chemical Oxygen Demand	a	40000.0	-	mg/l
Chlorides		1350.0	-	mg/l
Chromium		947.0	487.0	ug/l
Cobalt		56400.0	18800.0	ug/l
Copper		405.0	301.0	ug/l
Cyanide		200.0	-	ug/l
EPA method 624	i	2000.0		ug/l
EPA method 625	i	2000.0		ug/l
Flow	a	25.0	-	GPM
Flow Total	a	36000.0	-	GPD
Fluoranthene		787.0	393.0	ug/l
Lead		222.0	172.0	ug/l
p-Cresol		698.0	205.0	ug/l
Mercury		70.0	-	ug/l
Molybdenum		-	-	ug/l
MTBE	f,g	-	-	-
n-Decane		5790.0	3310.0	ug/l
Nickel		1120.0	-	ug/l
n-Octadecane		1220.0	925.0	ug/l
o-Cresol		1920.0	561.0	ug/l
pH	j	<5, >11.5	-	Units
Phenol (total)	h	2130.0	-	ug/l
Selenium		270.0	-	ug/l
Silver		720.0	-	ug/l
Tin		249.0	146.0	ug/l
TRPH (HEM-SG)	e	100.0	-	mg/l
TTO (EPA Methods 608, 624 & 625)	i	2130.0	-	ug/l
Zinc	k		1.34	#/day
Zinc		0.928		#/day



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**Footnotes for effluent limitation Table 1.**

- a. See Part 2C above.
- b. Carbonaceous Biochemical Oxygen Demand is the quantity of oxygen utilized in the carbonaceous biochemical oxidation of organic matter excluding nitrification under standard laboratory procedure in five (5) days at twenty (20) degrees centigrade, expressed in terms of milligrams per liter.
- c. See Part 3D below.
- d. All limits in **bold type** are 40 CFR Part 437.46(e) standards developed by the U.S. Environmental Protection Agency and are applicable at the "end of process". All limits in ordinary type are local limits developed by the City of St. Petersburg and are applicable at the "end of pipe".
- e. Hexane Extraction Method, Silica Gel is to be used to determine Total Recoverable Petroleum Hydrocarbons (TRPH), known as HEM-SG.
- f. BTEX is the total for benzene, toluene, ethyl benzene and all xylene isomers. This parameter shall be calculated from the results of the EPA Method 602 (or 624.1) test. Total BTEX limit of 2,000 ug/l shall not be exceeded.
- g. EPA Method 602 includes all purgeable aromatic compounds and shall report scans of xylenes and MTBE. MTBE shall not be counted towards the total concentration limit for BTEX. EPA Method 624.1 or 6100B may be substituted for this test provided the BTEX and MTBE parameters are reported.
- h. Total Phenol must be analyzed by EPA Method 420.1 or 420.2
- i. Total Toxic Organics (TTO) shall mean the summation of all quantifiable values greater than 10 ug/l of the volatile compounds, acid compounds, base/neutral compounds and pesticides identified by the EPA in the NPDES regulations at 40 CFR Part 122 Appendix D, Table II and included on page 19 of this IWDP.
- j. pH acceptable range is  $\geq 5$  and  $\leq 11.5$  pH Standard Units.
- k. Monthly Zinc Categorical limit of 4460.0 ug/L converted to mass base limit of 1.34 #/day, calculated by multiplying the permitted maximum allowable daily flow of 36,000 gpd (0.036 mg/d) by the Zinc monthly limit of 4.46 mg/L (4460.0 ug/L) multiplied by 8.34 lbs/gal.

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**Table 2 – Maximum Allowable Flow Rates at Concentrations for Boron and COD**

<b>Flow GPM</b>	<b>Boron mg/l</b>	<b>COD mg/l</b>	<b>Gallons per day</b>
25.0	13.32	9,992	36,000
24.5	13.59	10,196	35,280
24.0	13.88	10,408	34,560
23.5	14.17	10,630	33,840
23.0	14.48	10,861	33,120
22.5	14.80	11,102	32,400
22.0	15.14	11,355	31,680
21.5	15.49	11,619	30,960
21.0	15.86	11,895	30,240
20.5	16.25	12,185	29,520
20.0	16.65	12,490	28,800
19.5	17.08	12,810	28,080
19.0	17.53	13,147	27,360
18.5	18.00	13,503	26,640
18.0	18.50	13,878	25,920
17.5	19.03	14,274	25,200
17.0	19.59	14,694	24,480
16.5	20.19	15,139	23,760
16.0	20.82	15,613	23,040
15.5	21.49	16,116	22,320
15.0	22.20	16,653	21,600
14.5	22.97	17,228	20,880
14.0	23.79	17,843	20,160
13.5	24.67	18,504	19,440
13.0	25.62	19,215	18,720
12.5	26.65	19,984	18,000
12.0	27.76	20,817	17,280
11.5	28.96	21,722	16,560
11.0	30.28	22,709	15,840
10.5	31.72	23,790	15,120
10.0	33.31	24,980	14,400
9.5	35.06	26,295	13,680
9.0	37.01	27,756	12,960
8.5	39.18	29,388	12,240
8.0	41.63	31,225	11,520
7.5	44.41	33,307	10,800
7.0	47.58	35,686	10,080
6.5	51.24	38,431	9,360
6.0	55.51	40,000	8,640
5.5	60.56	40,000	7,920
5.0	66.61	40,000	7,200
4.5	74.01	40,000	6,480

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**Sampling Point**

During the period from January 15, 2022, to January 14, 2025, the City, its authorized representative, or the permittee shall collect samples and monitor the process wastewater discharge from the sample point in the 1" Parshall Flume located in the pipeline between the discharge side of the pretreatment system and the end of pipe outfall to the sanitary sewer. This is the only sampling point that is approved by the Director for the permittee's collection of process wastewater samples and shall be designated **Sample Point A**.



**C. Flow Measurement**

The flow monitoring device referred to in Part 2C above will accurately measure the rate of flow that is being discharged to the sewer system. The ultrasonic meter shall be calibrated, at a minimum, semi-annually and maintained by the permittee to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. The devices shall be capable of measuring flows with a maximum deviation of less than 10 percent from true discharge rates throughout the range of expected discharge volumes. The total number of gallons discharged daily to the sanitary sewer throughout each month must be recorded on the **Daily/Weekly Compliance Report Form** which must be submitted to the City with each monthly compliance report. Also, the daily flow rate fluctuations and their duration must be recorded either in a log or in graphical form and this record must be submitted to the City with each monthly compliance report.

**D. Sampling and Analysis (at Sample Point A only)**

The City, or its authorized representative, shall supply all sampling equipment and shall collect samples of the permittee's wastewater discharge from the approved sampling point for the parameters listed in the table below at the indicated frequencies.

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**Table 3 - Frequency of Monitoring**

<b>PARAMETERS</b>	<b>Footnote</b>	<b>Frequency</b>	<b>Sample Type (a)</b>
pH	a, b	Monthly	Grab Sample
2,4,6-Trichlorophenol	a, c	Jan, Apr, July, Oct.	Flow composite
Bis(2ethylhexyl)phthalate	a, c	Jan, Apr, July, Oct.	Flow composite
Carbazole	a, c	Jan, Apr, July, Oct.	Flow composite
Cyanide	a, b	Jan, Apr, July, Oct.	Grab Sample
EPA method 625	a, c	Jan, Apr, July, Oct.	Flow composite
Fluoranthene	a, c	Jan, Apr, July, Oct.	Flow composite
p-Cresol (3&4-Methlyphenol)	a, c	Jan, Apr, July, Oct.	Flow composite
n-Decane	a, c	Jan, Apr, July, Oct.	Flow composite
n-Octadecane	a, c	Jan, Apr, July, Oct.	Flow composite
o-Cresol (2-Methlyphenol)	a, c	Jan, Apr, July, Oct.	Flow composite
Boron	a, c	January, July	Flow composite
Cadmium	a, c	January, July	Flow composite
Cobalt	a, c	January, July	Flow composite
Mercury	a, c	January, July	Flow composite
Molybdenum	a, c	January, July	Flow composite
Nickel	a, c	January, July	Flow composite
Selenium	a, c	January, July	Flow composite
Silver	a, c	January, July	Flow composite
Tin	a, c	January, July	Flow composite
Total Toxic Organics (TTO)	a, b, c	January, July	Grab/Flow composite sample
Arsenic	a, c	Monthly	Flow composite
BTEX	a, b, d	Monthly	Computation
Chlorides	a, c	Monthly	Flow composite
Chromium	a, c	Monthly	Flow composite
Copper	a, c	Monthly	Flow composite
EPA Method 624 / 6200B	a, b	Monthly	Grab Sample
Lead	a, c	Monthly	Flow composite
MTBE	b, d	Monthly	Grab Sample
Phenol (total)	a, b	Monthly	Grab Sample
Total Recoverable Petroleum Hydrocarbons (HEM-SG)	a, b	Monthly	Grab Sample
Zinc	a, c	Monthly	Flow composite

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**Footnotes for Table 3**

- a. Types of samples collected by the permittee, or its authorized representative, shall be as representative as possible of the volume and nature of the permittee's wastewater discharge throughout the daily period of facility operation. All samples for monitoring requirements shall be performed by the permittee or its authorized representative; City laboratory or its subcontractor, all of which are certified by the Florida Department of Health for environmental analysis and shall be performed in accordance with 40 CFR Part 136 and The Florida Department Of Environmental Protection's Standard Operating Procedures For Laboratory Operations and Sample Collection known as DEP-SOP-001/01 (revised April 16, 2018) FS-2400 Wastewater Sampling as cited in FAC 62-160.210 and amendments thereto.. The City reserves the right to spot check sampling procedures by the permittee or its contract laboratory at any time (see Section 2, Part 3(A)(c) of this IWDP). All Laboratory analytical reports prepared by the industrial user or control authority shall comply with Rule 62-160.340, FAC, per Rule 62-625.600(6), FAC.
- b. Discrete grab samples must be used for pH, total phenols, cyanide, volatile organics and HEM-SG. •
- c. Aliquots of equal volumes of wastewater shall be taken on a flow proportional basis throughout the daily discharge period of the permittee. A minimum of 12 aliquots shall be composited to generate the final sample. All equipment used for sampling and analysis must be routinely calibrated, inspected and maintained to ensure accuracy.
- d. BTEX is the sum of benzene, toluene, ethylbenzene and total xylene. MTBE is methyl-tert-butyl ether.

In addition, the City or its authorized representative will provide the analyses for the samples collected by Howco and delivered to the City laboratory during normal business hours, 7:00 am to 4:30 pm (unless arrangements are agreed upon beforehand.). These samples are listed below

PARAMETERS	Frequency	Sample Type
cBiochemical Oxygen Demand	Weekly	Flow composite
Chemical Oxygen Demand	Weekly	Flow composite

The City will provide the sample bottles and chain of custody forms to Howco. Howco will deliver the samples in the provided sample bottles with the completed paperwork.

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**Table 4 - TOTAL TOXIC ORGANICS LIST**

**Volatile Compounds  
(EPA Method 624)**

1. Acrolein
2. Acrylonitrile
3. Benzene
4. Bromoform
5. Carbon tetrachloride
6. Chlorobenzene
7. Chlorodibromomethane
8. Chloroethane
9. 2-chloroethylvinyl ether
10. Chloroform
11. Dichlorobromomethane
12. 1,1-dichloroethane
13. 1,2-dichloroethane
14. 1,1-dichloroethylene
15. 1,2-dichloropropane
16. 1,3-dichloropropylene
17. Ethylbenzene
18. Methyl bromide
19. Methyl chloride
20. Methylene chloride
21. 1,1,2,2-tetrachloroethane
22. Tetrachloroethylene
23. Toluene
24. 1,2-trans-dichloroethylene
25. 1,1,1-trichloroethane
26. 1,1,2-trichloroethane
27. Trichloroethylene
28. Vinyl chloride

**Acid compounds  
(EPA Method 625)**

29. 2-chlorophenol
30. 2,4-dichlorophenol
31. 2,4-dimethylphenol
32. 4,6-dinitro-o-cresol
33. 2,4-dinitrophenol
34. 2-nitrophenol
35. 4-nitrophenol
36. p-chloro-m-cresol

37. Pentachlorophenol
38. Phenol
39. 2,4,6-trichlorophenol

**Base/Neutral Compounds  
(EPA Method 625)**

40. Acenaphthene
41. Acenaphthylene
42. Anthracene
43. Benzidine
44. Benzo(a)anthracene
45. Benzo(a)pyrene
46. 3,4-benzofluoranthene
47. Benzo(ghi)perylene
48. Benzo(k)fluoranthene
49. bis(2-chloroethoxy)methane
50. bis(2-chloroethyl)ether
51. bis(2-chloroisopropyl)ether
52. bis(2-ethylhexyl)phthalate
53. 4-bromophenyl phenyl ether
54. Butylbenzyl phthalate
55. 2-chloronaphthalene
56. 4-chlorophenyl phenyl ether
57. Chrysene
58. Dibenzo(a,h)anthracene
59. 1,2-dichlorobenzene
60. 1,3-dichlorobenzene
61. 1,4-dichlorobenzene
62. 3,3-dichlorobenzidene
63. Diethyl phthalate
64. Dimethyl phthalate
65. Di-n-butyl phthalate
66. 2,4-dinitrotoluene
67. 2,6-dinitrotoluene
68. Di-n-octyl phthalate
69. 1,2-diphenylhydrazine  
(as azobenzene)
70. Fluoranthene
71. Fluorene
72. Hexachlorobenzene
73. Hexachlorobutadiene

74. Hexachlorocyclopentadiene
75. Hexachloroethane
76. Indeno(1,2,3-cd)pyrene
77. Isophorone
78. Naphthalene
79. Nitrobenzene
80. N-nitrosodimethylamine
81. N-nitrosodi-n-propylamine
82. N-nitrosodiphenylamine
83. Phenanthrene
84. Pyrene
85. 1,2,4-trichlorobenzene

**Pesticides (EPA Method 608)**

86. Aldrin
87. Alpha-BHC
88. Beta-BHC
89. Gamma-BHC
90. Delta-BHC
91. Chlordane
92. 4,4'-DDT
93. 4,4'-DDE
94. 4,4'-DDD
95. Dieldrin
96. Alpha-endosulfan
97. Beta-endosulfan
98. Endosulfan sulfate
99. Endrin
100. Endrin aldehyde
101. Heptachlor
102. Heptachlor epoxide
103. PCB-1242 (Arochlor 1242)
104. PCB-1254 (Arochlor 1254)
105. PCB-1221 (Arochlor 1221)
106. PCB-1232 (Arochlor 1232)
107. PCB-1248 (Arochlor 1248)
108. PCB-1260 (Arochlor 1260)
109. PCB-1016 (Arochlor 1016)
110. Toxaphene

**Total concentration of all quantifiable values greater than 10 micrograms for compounds 1 thru 110 shall not exceed 2,130 ug/l. The list of Priority Pollutants included herein is taken from Federal NPDES Permit regulation 40 CFR Part 122, Appendix D, Table II.**



**PART 4. REPORTING REQUIREMENTS**

**A. Periodic Compliance Reports**

For each month, Howco Environmental Services must return the following reports including flow meter readings to the City of St. Petersburg.

A completed copy of EACH of the following:

1. Sampling and Analysis form for each batch discharge sampling event
2. Discharge tank monitoring requirement form for each batch
3. Batch discharge summary form for each month
4. Certification statement signed by the Approved Representative
5. Daily total discharge in gallons for the calendar month
6. Copy of the chart recording of the flow rate and duration for each week

The due date for submission of periodic compliance reports is **thirty days after** the last day of the month in which the samples were taken. Reports will be considered to be late and a late fee of \$50 will be levied if a report is submitted after the due date. If a report is submitted more than 30 days after the due date, the facility will be deemed to be in significant noncompliance. Appropriate enforcement proceedings will be initiated by the City according to the Industrial Pretreatment Program's "Enforcement Response Plan".

A report shall be considered incomplete and in violation of reporting requirements if it does not contain all of the above required forms.

**B. Extra Monitoring**

If the permittee monitors its discharge for any pollutant more frequently than required by this IWDP, using test procedures prescribed in 40 CFR Part 136 or amendments thereto, or otherwise approved by EPA or as specified in this IWDP, the results of such monitoring shall be included in the calculation and results shall be reported in the monthly reports and submitted to the Director. Such increased monitoring frequency shall also be indicated on the monthly reports.

**C. Automatic Resampling**

If the results of the permittee's wastewater analysis indicate a violation has occurred, the City Shall:

- a. Inform the permittee within 24 hours of becoming aware of the violation; and
- b. Carry out demand monitoring, sampling and pollutant analysis for the parameter in violation within 30 days of becoming aware of the violation, unless it notifies the permittee of the violation and requires the permittee to perform the repeat analysis, and
- c. Report the results of the second analysis in writing to the permittee, and

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d. Initiate such escalating enforcement procedures as are allowed for in, and required by, the City of St. Petersburg's City Code and the Enforcement Response Plan, to achieve compliance with pretreatment regulations and requirements.

**D. Accidental Discharge Report**

The permittee shall notify the Director immediately upon the occurrence of an upset, as defined in Section 27-302(a) of the St. Petersburg City code, an accidental discharge of substances prohibited by Section 27-307 of the St. Petersburg City Code, any slug loads or spills that may enter the public sewer. During normal business hours the Director should be notified by telephone at (727) 892-5694. At all other times, the Director should be notified by telephone at 893-7261 after 4:30 p.m. Monday - Friday or weekends and holidays. The permittee shall inform the Director that it is an industrial discharge facility and shall include location of discharge, date and time thereof, type of waste, including concentration and volume, and corrective actions taken. The permittee's notification of accidental releases in accordance with this section does not relieve it of other reporting requirements that arise under local, State, or Federal laws.

Within five (5) days following an accidental discharge, the permittee shall submit to the Director a detailed written report. The report shall specify:

- a. Description and cause of the upset, slug or accidental discharge, the cause thereof, and the impact on the permittee's compliance status. The description should also include location of discharge, type, concentration and volume of waste.
- b. Duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur.
- c. All steps taken or to be taken to reduce, eliminate, and prevent recurrence of such an upset, slug, accidental discharge, or other conditions of noncompliance.

**E. Periodic Certification Statement**

The permittee shall submit a periodic certification statement to the Control Authority once a year on May 1<sup>st</sup> as described in 40 CFR Part 437.41(b). A form for this report is attached to this IWDP

**F. Report Submission**

All reports required by this IWDP shall be submitted to the Director at the following address:

Water Resources Director  
c/o Industrial Pretreatment Coordinator  
Environmental Compliance Division  
City of St. Petersburg  
1650 3rd Avenue North  
St. Petersburg, FL 33713

**PART 5. SAMPLING AND ANALYTICAL COSTS**

The costs of sampling and analyses performed by the City Laboratory are included in Section 27-308(i) of the St. Petersburg City Code. Analyses not performed by the City Laboratory will be contracted out to similar, certified environmental laboratory and charged at the City's cost. Fees will only be imposed when non-compliance is detected from the sampling event.

**PART 6. DEMAND MONITORING COSTS**

Any required demand monitoring, inspections and surveillance deemed to be necessary as a result of a violation will be carried out by the City and charged directly to the permittee at the rates included in Section 27-308(i) of the St. Petersburg City Code or at the City's cost.

**PART 7. PRETREATMENT SERVICE CHARGE**

A pretreatment service charge based on the total discharge flow as measured by the certified water meter shall be levied monthly according to the charges assessed for Group C Industrial Users as detailed in Section 27-308(b) of the St. Petersburg City Code.

**PART 8. STRONG WASTE SURCHARGE**

A monthly strong waste surcharge may be levied if the permittee's wastewater exceeds the parameters indicated in Section 27-283(d) of the St. Petersburg City Code. The surcharge shall be calculated according to the procedures laid down in Section 27-283(d)(3) of the St. Petersburg City Code. The number of pounds of CBOD and COD discharged each month shall be calculated from the flow and concentration discharge data submitted by the certified laboratory for that month.

**PART 9. SPECIAL CONDITIONS**

A. The permittee shall post the front page of this IWDP on a suitable notice board where all employees have access to read it.

B. The Director reserves the right at any time throughout the duration of this IWDP to require the permittee to develop an accidental discharge/slug control plan which shall be approved by the Director and re-evaluated at least once every two (2) years. The accidental discharge/slug control plan should address at minimum, the requirements described in Section 27-307(n) of the St. Petersburg City Code. The permittee shall immediately notify the City of any changes at its facility affecting the potential for an accidental/slug discharge. The Control Authority (City of St. Petersburg) will satisfy the re-evaluation requirement by conducting the Spill/Slug Control Plan evaluation during the Industrial User's annual inspection, which, if deemed necessary, may require the permittee to submit an updated Spill/Slug Control Plan. **The permittee submitted a Slug Plan dated May 21, 2019.**



## SECTION 2. GENERAL REQUIREMENTS AND CONDITIONS

### PART 1. GENERAL CONDITIONS

All phrases and words used in this IWDP shall have the meanings assigned in Section 27-302 of the St. Petersburg City Code except where the content clearly indicates a different meaning.

#### A. Duty to Comply

The terms, conditions, requirements, limitations, and restrictions set forth herein are "IWDP conditions" and as such are binding upon the permittee. Failure to comply with the "IWDP conditions" may be grounds for administrative action, or enforcement proceedings pursuant to the authority of Sections 27-302 through 314 of the St. Petersburg City Code including civil or criminal penalties, injunctive relief, and summary abatement. The permittee is hereby placed on notice that the City of St. Petersburg will review this IWDP periodically and may initiate enforcement action for any violation of the "IWDP conditions" by the permittee, its agents, employees, servants or representatives.

#### B. Severability

The provisions of this IWDP are severable, and if any provision of this IWDP, or the application of any provision of this IWDP to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this IWDP, shall not be affected thereby.

#### C. IWDP Validity

This IWDP is valid only for the specific processes and operations applied for and incorporated in the application. Any unauthorized modification and/or deviation from the approved discharge application may constitute grounds for revocation and enforcement action by the City of St. Petersburg. This IWDP does not constitute a waiver or approval of any other City, State, Federal or other permits that may be required for other aspects of the total project which are not addressed in this IWDP.

#### D. Liability

This IWDP does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Federal law, Florida Statutes or regulations promulgated pursuant to Florida Statutes, and St. Petersburg City Codes.

#### E. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact to the public treatment plant or the environment resulting from noncompliance with this IWDP, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

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**F. IWDP modifications**

The terms, conditions, restrictions or requirements of this IWDP are subject to modification and change by the City during the term of the IWDP to accommodate new information, changed conditions and as Federal, State, Regional and Local laws, rules and regulations, and case decisions are modified or amended. Modifications may also be made to correct technical mistakes, erroneous interpretations of Federal, State, Regional or Local law, or typographical errors.

- (1) Except for the conditions outlined in paragraph (3) below, IWDP holders shall be notified of any proposed changes in their respective IWDP by the Director at least 60 days prior to the effective date of change. Any change or new condition in an IWDP shall include a provision for a reasonable time schedule for compliance.
- (2) IWDP holders shall petition the City for modification of their IWDP when:
  - a. any new manufacturing process creating a new wastewater discharge is installed at the facility.
  - b. any existing manufacturing process is expanded causing more than a 20% increase in wastewater discharge from that process.
  - c. any major change in a chemical process is installed such that the resulting chemical composition of the wastewater discharge may be significantly altered.
  - d. any other change is detected by the City's annual facility inspection that is determined by the Control Authority to warrant an IWDP modification.

The petition shall be filed with the Director together with the applicable modification fee not more than two business days after the user has reasonable basis to know that conditions will significantly change within the next calendar month. Such petition shall not relieve the IWDP holder of compliance with any existing IWDP conditions. The Director shall review such petitions with such supporting data as he deems necessary and take appropriate action. If substantial changes involving more than 50% of process or wastewater flow are involved, the Director shall require the user to submit a new application for an IWDP.

- (3) This IWDP may be immediately modified for the following reasons:
  - a. Significant violation of any terms or conditions of this IWDP.
  - b. Obtaining this IWDP by misrepresentation or failure to fully disclose all relevant facts.

**G. Property Rights**

The issuance of this IWDP does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any violation of Federal, State or Local laws or regulations.

**H. Limitation on IWDP Transfer**

This IWDP is issued exclusively to the facility referenced in Section 1 of this document and is valid only for the specific processes and operations, or specific discharges as indicated herein. This IWDP shall not be assigned, transferred or sold to a new owner, new significant industrial user, for different premises, or for a new or significantly changed operation without prior notification to the City approved by the Director in writing and a copy of the existing IWDP has been provided to the new owner or operator. An application for permission to transfer an IWDP shall contain the applicable transfer fee and be received by the Director at least thirty (30) days prior to the requested date of transfer. The application shall also contain a certification statement signed by an authorized representative of the new owner which:

- a. States that the new owner has no immediate intent to change the facility's operations or processes;
- b. Identifies the specific date on which the transfer is to occur;
- c. Acknowledges full responsibility for complying with the existing IWDP.

The Director may modify the conditions and requirements of the existing IWDP at the time of transfer or require the new owner to apply for a new IWDP depending on the data submitted in the IWDP transfer application.

**I. Duty to Reapply**

If the permittee wishes to continue an activity regulated by this IWDP after the expiration date of this IWDP, the permittee shall submit a completed reissuance application for this IWDP together with the applicable reissuance fee at least ninety (90) days before the expiration date of this IWDP.

**J. Continuation of Expired IWDP**

An expired IWDP will continue to be effective and enforceable until the IWDP is reissued provided:

- a. The permittee has submitted a complete IWDP application at least ninety (90) days prior to the expiration date of the user's existing IWDP.
- b. The failure to reissue the IWDP, prior to expiration of the previous IWDP, is not due to any act or failure to act on the part of the permittee.

**K. Dilution**

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



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**L. General Discharge Prohibitions**

The permittee shall not directly or indirectly discharge, cause or permit the discharge of any pollutant or wastewater which, acting alone or in conjunction with other substances present in the POTW, shall cause an interference with the operation or performance of the POTW or otherwise pass through the POTW. The permittee shall comply with all the general prohibitive discharge standards in Section 27-307(a) of the St. Petersburg City Code. This prohibition includes but is not limited to the following substances:

- a. Any substances which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the POTW or its operation. In no case shall pollutants or waste streams with a closed cup flashpoint of less than one hundred and forty (140) degrees Fahrenheit (60 degrees C), as determined by the test methods specified in 40 CFR 261.21, be discharged to the POTW. At no time shall two (2) successive readings on an explosion hazard meter at the point of discharge into the system (or at any point in the system) be more than five percent (5%), nor any single reading over ten percent (10%), of the lower explosive limit (LEL) of the meter.
- b. Any substances capable of causing corrosive damage to structures, equipment or personnel of the POTW, but in no case discharges with a pH lower than 5.0 or higher than 11.5;
- c. Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow of the sewers or interference with the operation of or which cause injury to the POTW including, but not limited to, uncomminuted garbage or food waste with particles greater than one-half inch (½") in any direction, paper dishes, cups, milk containers etc., either whole or ground by garbage grinders, animal guts or tissues, paunch manure, bones, hair, hides or fleshings, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar, asphalt residues, residues from refining or processing of fuel or lubricating oil, mud or glass grinding or polishing wastes;
- d. Any pollutant, including oxygen demanding (e.g. ethylene glycol) and conventional pollutants (BOD, COD, TSS, etc), released at a flow rate or pollutant concentration which may reasonably be expected to cause interference with the POTW. In no case shall a user's discharge have a flow rate or contain concentration or quantities of pollutants that exceeds 1.5 times the average twenty-four (24) hour concentration, quantities, or flow;
- e. Any substance having a temperature which will inhibit biological activity in the POTW treatment plant resulting in interference, but in no case wastewater with a temperature at the introduction into the POTW which exceeds forty (40) degrees Centigrade [one hundred and four (104) degrees Fahrenheit]. Unless a higher temperature is allowed under the user's IWDP, no user shall discharge into any sewer line or other appurtenance of the POTW, wastewater with a temperature exceeding sixty-five and five-tenths (65.5) degrees Centigrade [one hundred and fifty (150) degrees Fahrenheit];

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- f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in excess of 100 parts per million, or any substance containing toxic pollutants or hazardous wastes of sufficient quantity, either singularly or by interaction with other pollutants which may reasonably be expected;
  - 1. to injure or interfere with any wastewater collection system and/or wastewater treatment process;
  - 2. to constitute a hazard to humans, animals or plants;
  - 3. to create a toxic effect or pass through into the injection well system of the POTW;
  - 4. to create a toxic effect or pass through into the reclaimed water or sludge;
- g. Any water or waste containing fats, wax, grease, oils, or related substances of animal or vegetable origin, whether or not emulsified, in excess of four hundred (400) parts per million by weight or which may solidify or become viscous at temperatures between four and five-tenths (4.5) degrees Centigrade [forty (40) degrees Fahrenheit] and sixty-five and five-tenths (65.5) degrees Centigrade [one hundred fifty (150) degrees Fahrenheit]. Specifically prohibited is the heating of the contents of grease traps and subsequent discharge to the sewer system. The Director may allow discharges in excess of this standard as a permit condition upon the submission by the user of a technical evaluation prepared by professional engineer or other similar licensed professional demonstrating that the subject wastewater will have no adverse effects to the wastewater collection and treatment facilities or to the biosolids and reclaimed water generated from those facilities. Wastewater exceeding the limitations provided herein shall contain no visible sheen, shall not discharge any solid grease particles, shall not cause an accumulation of grease or create other unacceptable impact to the collection system downstream of the permitted facility, and shall not cause or contribute to any unacceptable impacts to the water reclamation facility or the biosolids and reclaimed water generated by that facility;
- h. Any storm water, surface water, unpolluted groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, swimming pool water or unpolluted industrial process waters, provided however, the same may be discharged into approved storm sewers, but not sanitary sewers. Such discharge which is not acceptable for discharge into the storm water system according to Federal or State law may be considered acceptable for sanitary discharge under this chapter upon proper application to the Director and issuance of a temporary industrial wastewater discharge permit;
- i. Any substances which result in the presence of toxic gases, vapors or fumes within the POTW or noxious or malodorous substances other than normal sewage which either alone or by interaction with other wastes are sufficient to cause acute worker health and safety problems, create a public nuisance or hazard to life, or are sufficient to prevent entry into the POTW or its appurtenances for maintenance, inspection and repair;

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- j. Any discharge containing compounds that are labeled for the control of pest species of any type, such as, but not limited to, acaricides, bactericides, fungicides, herbicides, molluscicides, nematocides and rodenticides.
- k. Any substance which may reasonably be expected to cause the POTW's effluent or any other product of the POTW such as residues, sludges or scums to be unsuitable for reclamation and reuse or to interfere with the reclamation process. This shall particularly include but not be limited to all forms of copper containing chemicals used for root control in sewers. In no case shall a discharge to the POTW be permitted which causes the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under Section 405 of the Act or any other Federal or State law or regulation applicable to any reclaimed product of the POTW;
- l. Any substance which may reasonably be expected to cause the POTW to violate its NPDES or State disposal system permit or the State or Federal water quality standards;
- m. Wastewater or wastes containing substances which are not reasonably amenable to treatment or reduction by the ordinary operation of the POTW;
- n. Any substances containing quantities of radioactive wastes or isotopes in excess of applicable State or Federal regulations or permits issued by State or Federal agencies;
- o. Any concentrated dye wastes, spent tanning solutions, or other wastes which are highly colored, or wastes which are of unusual volume, concentration of solids, or composition that may create obstruction to the flow in sewers, interfere with the POTW or impart color to the POTW effluent;
- p. Substances causing conditions at the POTW which violate any statute, rule or regulation of any public agency of this State or the United States;
- q. Any trucked or hauled pollutants except those lawfully discharged at specific points designated by the Director;

All discharges shall comply with all other applicable laws, regulations, standards, and requirements contained in Section 27-302 through 314 of the St. Petersburg City Code and any applicable State and Federal pretreatment laws, regulations, standards, and requirements including any such laws, regulations, standards, or requirements that may become effective during the term of this IWDP.

**M. Compliance with Applicable Pretreatment Standards and Requirements**

The permittee shall comply at all times with any and all applicable Local, State and Federal pretreatment standards and requirements including any such standards or requirements that may become effective during the term of this IWDP.

**N. Notification**

The Permittee shall promptly notify the control authority in advance of any change in the volume or character of pollutants in their discharge that may result in pass through or interference.



**PART 2. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS**

**A. Proper Operation and Maintenance**

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms of this IWDP. Proper operation and maintenance includes but is not limited to: effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the IWDP.

**B. Duty to Halt or Reduce Activity**

The permittee shall control production and/or all discharges to the extent necessary to maintain compliance with this IWDP 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 for the treatment facility is reduced, lost, or fails.

**C. Bypass of Treatment Facilities**

- a. Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury or severe property damage or no feasible alternatives exist.
- b. Bypass not exceeding limitations. The permittee may allow bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation.
- c. Notification of Bypass:
  - 1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior written notice, at least ten days before the date of the bypass, to the Director.
  - 2) Unanticipated bypass. The permittee shall immediately notify the Director and submit a written notice to the POTW within 5 days. This report shall specify:
    - (i) A description of the bypass, and its cause and duration;
    - (ii) Whether the bypass has been corrected; and
    - (iii) The steps being taken or to be taken to reduce, eliminate or prevent a reoccurrence of the bypass.

**D. Removed Substances**

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

**PART 3. INSPECTION AND RECORDS**

**A. Inspection and Entry**

The permittee shall allow the Director, or other duly authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the IWDP;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this IWDP;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this IWDP;
- d. Sample or monitor, for the purposes of assuring IWDP compliance, any substances or parameters at any location; and
- e. Inspect any production, manufacturing, fabricating, or storage area where pollutants, regulated under this IWDP, could originate, be stored, or be discharged to the sewer system.

**B. Retention of Records**

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this IWDP, and records of all data used to complete the application for this IWDP, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the Director shall be retained and preserved by the permittee until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

**C. Record Contents**

Records of sampling and analyses shall include:

- a. The date, exact place, time, and methods of sampling or measurements, and sample preservation techniques or procedures;
- b. Who performed the sampling or measurements,
- c. The date(s) analyses were performed;
- d. Who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

**D. Falsifying Information**

Knowingly making any false statement on any report or other document required by this permit or knowingly rendering any monitoring device or method inaccurate is a crime and may result in the imposition of criminal sanctions and/or civil penalties.

**PART 4. ADDITIONAL REPORTING REQUIREMENTS**

**A. Duty to Provide Information**

The permittee shall furnish to the Director, within thirty (30) days, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this IWDP, or to determine compliance with this IWDP. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this IWDP.

**B. Signatory Requirements**

All applications, reports, or information submitted to the Director shall contain the following certification statement and be signed as required in Sections (a), (b), (c) or (d) below:

"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."



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- a. By a responsible corporate officer, if the Industrial User submitting the reports is a corporation. For the purpose of this paragraph, a responsible corporate officer means:
  - 1) A president, secretary, treasurer or vice president of the corporation in charge of a principal business function or any other person who performs similar policy or decision-making functions for the corporation, or;
  - 2) the manager of one or more manufacturing, production or operation facilities employing more than 250 persons, or having gross annual sales or expenditures exceeding \$25 million dollars if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- b. By a general partner or proprietor if the Industrial User submitting the reports is a partnership or sole proprietorship respectively.
- c. By a duly authorized representative of the individual described in paragraph (a) or (b) of this section if:
  - 1) the authorization is made in writing on the form attached to this IWDP by the individual described in paragraph (a) or (b);
  - 2) the authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the industrial discharge originates, such as the position of plant manager, operator of a well, or a well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and
  - 3) the completed authorization form is submitted to the City.
- d. If an authorization under paragraph (c) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for the environmental matters for the company, a new authorization form satisfying the requirements of paragraph (c) of this section shall be submitted to the City prior to or together with any reports to be signed by an authorized representative.

**C. Annual Publication**

For each occasion that the permittee is determined to be in significant noncompliance within the twelve (12) month period from July 1st to June 30th each consecutive year, and according to the procedures and definitions contained in this division, the Director, in compliance with Rule 62-625.500(2)(b)8 F.A.C., shall publish, at least annually, a public notice for a one day period in the local newspaper with the largest circulation within the jurisdiction served by the POTW. This public notice shall include the name and address of the permittee, reasons for the significant noncompliance including dates and pollutant parameter concentrations, any enforcement actions taken against the permittee and any other relevant information to be determined by the Director. The costs of the notice shall be billed to the permittee who shall be responsible for reimbursing the City for the costs incurred.

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**D. Civil and Criminal Liability**

Nothing in this IWDP shall be construed to relieve the permittee from civil and/or criminal penalties for noncompliance under Section 27-302 through 314 of the St. Petersburg City Code or State or Federal laws and regulations.

**E. Penalties for Violations of IWDP Conditions**

Section 27-305 of the St. Petersburg City Code provides that any person who violates an IWDP condition is subject to a civil penalty in accordance with subparagraph 62-625.500(2)(a)5.a., Florida Administrative Code (F.A.C.), and as stated in subsection 27-312(o) "...the City shall have the authority to seek or assess a civil or criminal penalty in an amount not less than \$1,000.00 per violation, per day in accordance with applicable state and federal law or imprisonment for up to six months, or both. The permittee may also be subject to sanctions under State and/or Federal law.

**F. Recovery of Costs Incurred**

In addition to civil and criminal liability, the permittee violating any of the provisions of this IWDP, of Section 27-307 of the St. Petersburg City Code or causing damage to or otherwise inhibiting the City of St. Petersburg's wastewater disposal system shall be liable to the City of St. Petersburg for any expense, loss, or damage caused by such violation or discharge. The Director shall bill the permittee for the costs incurred by the City of St. Petersburg for any demand monitoring, analysis, cleaning, repair, or replacement work caused by the violation or discharge. Refusal to pay the assessed costs shall constitute a separate violation of Sections 27-308(l) and/or 27-312(k) of the St. Petersburg City Code.

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**ATTACHMENTS TO PERMIT # SPFL-562219-CIU-86-32**

Howco Environmental Services

843 43rd Street South

St. Petersburg, Florida 33711

**PLEASE NOTE**

A copy of the Authorization of Approved Representative Form must be completed and returned each time the representative is changed.

A copy of the Periodic Certification Statement Form must be completed, signed and returned once a year on May 1<sup>st</sup>.

For each month, Howco shall return the following reports to the City of St. Petersburg not more than 30 days after the due date.

A completed copy of **EACH** of the following:

1. Sampling and Analysis form for each batch discharge sampling event
2. Discharge tank monitoring requirement form for each batch
3. Batch discharge summary form for each month
4. Certification statement signed by the Approved Representative
5. Daily total discharge in gallons for the calendar month
6. Copy of the chart recording of the flow rate and duration for each week

AUTHORIZATION OF APPROVED REPRESENTATIVE

Industrial User Name: Hagan Holding Company, d/b/a/ Howco Environmental services, Ltd.

Address: 843 43rd Street South  
St. Petersburg FL 33711

Discharge Permit # SPFL-562219-CIU-86-32

Date: \_\_\_\_\_

To: Industrial Pretreatment Coordinator, City of St. Petersburg  
Environmental Compliance Division

I, \_\_\_\_\_, hereby certify that I am a responsible corporate officer, manager, general partner or proprietor of the above named company and that I am in charge of principal business function and am able to perform policy and decision making functions for the company.

I hereby duly authorize \_\_\_\_\_, whose signature also appears below to be my representative. I authorize my representative to sign all industrial pretreatment certification statements on my behalf.

Signed \_\_\_\_\_

Title \_\_\_\_\_

Signature of Authorized Representative \_\_\_\_\_

Title of Representative \_\_\_\_\_



## PERIODIC CERTIFICATION STATEMENT

I, \_\_\_\_\_ do hereby certify that I am an authorized representative of Howco Environmental Services, 843 43<sup>rd</sup> Street South, St. Petersburg, Florida 33711 and I hereby submit this Periodic Certification Statement for this industrial facility to satisfy the requirements of Federal regulation 40 CFR Part 437.41(b) and (c).

I hereby certify that:

1. The above mentioned facility is operating its treatment systems to provide "equivalent treatment" as set forth in the Initial Certification Statement included with the application for an Industrial Wastewater Discharge Permit in December 2002.
2. The above mentioned facility has not modified its treatment systems since the Initial Certification Statement was submitted.
3. I understand that if any future modifications are made to the treatment systems I am required to immediately submit a description of the modified systems to the City of St. Petersburg's Industrial Pretreatment Program and attach supporting data to establish that the modified systems will achieve "equivalent treatment".
4. On-site Compliance Paperwork is retained in the offices of the above facility that comply with the requirements of 40 CFR Part 437.41(c) as follows:
  - a) List and describe the subcategory wastes being accepted for treatment at the facility;
  - b) List and describe the treatment systems in-place at the facility, modifications to the treatment systems and the conditions under which the systems are operated for the subcategories of wastes accepted for treatment at the facility;
  - c) Provide information and supporting data establishing that these treatment systems will achieve equivalent treatment;
  - d) Describe the procedures the facility follows to ensure that its treatment systems are well-operated and maintained; and
  - e) Explain why the procedures the facility has adopted will ensure its treatment systems are well-operated and maintained.

Name \_\_\_\_\_

Title \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

**INDUSTRIAL USER COMPLIANCE - SAMPLING AND ANALYSIS FORM**

Permit Number : SPFL-562219-CIU-86-32

Work Order number : \_\_\_\_\_ (provided by city)

Facility name : **Hagan Holding Company, d/b/a/ Howco Environmental Services**

Facility address: 843 43<sup>rd</sup> Street South  
St. Petersburg, FL 33711

Company contact : Linnea Mendoza, Quality Assurance Officer  
Telephone number : (727) 437-4059

**Sampling**

Batch #: \_\_\_\_\_

Collected by : \_\_\_\_\_

Composite Collection    Start date: \_\_\_\_\_ Time: \_\_\_\_\_  
   End date: \_\_\_\_\_ Time: \_\_\_\_\_

Number of samples in composite \_\_\_\_\_

Sample point location: Effluent Flume (site 161)

**Type of Composite Sample**

\_\_\_\_\_ Time composite - Time interval, every \_\_\_\_\_ Minutes

\_\_\_\_\_ Flow proportional composite -    Flow interval, every \_\_\_\_\_ Gallons  
   Flow rate during event \_\_\_\_\_ GPM  
   Total flow during event \_\_\_\_\_ Gallons

Laboratory performing analysis: City of St Petersburg – Environmental Compliance Division  
FDHRS laboratory certification I.D. No(s): E44058

**All Samples required by this permit shall be submitted to the Laboratory during normal business hours, 7am to 4:30PM at the back door of the Lab. Call or email 24 hours ahead to alert the lab of the incoming samples.**

**Environmental Compliance Division**  
**City of St. Petersburg, 1635 3rd Avenue North, St. Petersburg, FL 33713**  
**727/892-5680 or [Leslie.Boardman@stpete.org](mailto:Leslie.Boardman@stpete.org) and**  
**727/892-5689 or [dana.bowser@stpete.org](mailto:dana.bowser@stpete.org)**

DISCHARGE TANK MONITORING RECORDKEEPING FORM  
Permit # SPFL-562219-CIU-86-32  
Hagan Holding Company d/b/a/ Howco Environmental Services  
843 43rd Street South  
St. Petersburg FL 33711

TANK NUMBER \_\_\_\_\_ TANK SIZE \_\_\_\_\_ GALS DATE \_\_\_\_\_ TIME \_\_\_\_\_ BATCH # \_\_\_\_\_

BATCH TOTAL VOLUME \_\_\_\_\_ INITIALS \_\_\_\_\_ TIME \_\_\_\_\_

LOG OF COD SAMPLING IN TANK

SAMPLES TAKEN BY (INITIALS) \_\_\_\_\_ DATE \_\_\_\_\_

UPPER LEVEL SAMPLE TIME TAKEN \_\_\_\_\_ COD CONCENTRATION \_\_\_\_\_ MG/L

MIDDLE LEVEL SAMPLE TIME TAKEN \_\_\_\_\_ COD CONCENTRATION \_\_\_\_\_ MG/L

LOWER LEVEL SAMPLE TIME TAKEN \_\_\_\_\_ COD CONCENTRATION \_\_\_\_\_ MG/L

Grab Sample time taken \_\_\_\_\_ Boron concentration \_\_\_\_\_ MG/L

SAMPLES ANALYZED BY (INITIALS) \_\_\_\_\_ DATE \_\_\_\_\_

CALCULATIONS

MAXIMUM COD CONCENTRATION \_\_\_\_\_ MG/L

CALCULATED DISCHARGE FLOW RATE AT MAXIMUM COD CONC. \_\_\_\_\_ GAL/MIN

CALCULATED DISCHARGE FLOW RATE AT MAXIMUM BORON CONC. \_\_\_\_\_ GAL/MIN

Calculated Duration of Discharge (Total Volume/Flow Rate) \_\_\_\_\_ Hours From Table 2 of Permit.

DISCHARGE LOG

DATE \_\_\_\_\_ START TIME \_\_\_\_\_ DURATION \_\_\_\_\_ HRS END TIME \_\_\_\_\_

DISCHARGE FLOW RATE (METER READING) \_\_\_\_\_ INITIALS \_\_\_\_\_

**BATCH DISCHARGE SUMMARY FORM**  
Permit # SPFL-562219-CIU-86-32  
Hagan Holding Company, d/b/a/ Howco Environmental Services  
843 43rd Street South  
St. Petersburg FL 33711

TANK NUMBER

[illegible]

Additional forms may be attached if required to complete the reporting month.



### **CERTIFICATION STATEMENT**

This statement **MUST** be attached to the compliance report and must be signed by an authorized responsible person of the discharging company.

Industrial User Name    **HOWCO ENVIRONMENTAL SERVICES**  
Address                    843 43rd Street South  
                                  St. Petersburg FL 33711

Discharge Permit #      SPFL-562219-SIU-86-32

Date                        \_\_\_\_\_

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed 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 fines and imprisonment for knowing violation.

Signed \_\_\_\_\_

Title \_\_\_\_\_

# CITY OF ST. PETERSBURG INDUSTRIAL PRETREATMENT PROGRAM

# DAILY TOTAL DISCHARGE IN GALLONS REPORT FORM

Permit # SPFL-562219-CIU-86-32

**Hagan Holding Company, d/b/a/ Howco Environmental Services**

843 43rd Street South

St. Petersburg FL 33711

MONTH/YEAR \_\_\_\_\_

### SAMPLE SITE A

DATE	START GALLON	END GALLON	GALLONS DISCHARGED
		TOTAL GALLONS	