ACCIDENTAL DISCHARGE AND SPILL CONTROL PLAN (ADSCP)

Environmental Services – Industrial Pretreatment
225 North Pearl Street
Jacksonville, Florida 32202

v.2024

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ACCIDENTAL DISCHARGE AND SLUG CONTROL PLAN (ADSCP)

A. GENERAL INFORMATION:

1. **Facility Name:** _____
2. **Facility Address**: _____
3. **Authorized Signatory & Title**: _____
   a. **Work Phone:** _____
   b. **Cell Phone:** _____
4. **Contact Person & Title:** _____
   a. **Work Phone:** _____
   b. **Cell Phone:** _____
5. **Nature of Business:** _____
6. **Operating Schedule:**
   a. **Number of Shifts:** _____
   b. **Hours of Shifts:** _____
   c. **Employees per Shift:** _____
7. **Discharge Practices:**
   a. **Average Daily Flow:** _____
   b. **Hours of Discharge:** _____
8. **History of Slugs/ Spills:** _____
9. **Site Security Provisions:** _____
10. **Applicable Categorical Pretreatment Standards:** _____

B. FACILITY LAYOUT AND FLOW DIAGRAMS:

1. **Facility Diagram – Please provide a detailed drawing of the facility layout. Attachment 1 is an example of a detailed drawing of the facility layout that includes:**

    ___ Location of all manufacturing or commercial activities
    ___ Location of property boundaries
    ___ Location of floor drains & other connections to the JEA sanitary sewer
    ___ Location of all chemicals/ chemical storage
    ___ Location of loading/ unloading areas
    ___ Location of stormwater drains
    ___ Direction of stormwater drainage

2. **Flow Diagram – Please provide a detailed drawing of chemical & wastewater flows. Attachment 2 is an example of a detailed facility diagram that includes:**

    ___ Location of pretreatment systems
    ___ Tanks locations & Capacities
    ___ Piping & Instrumentation
    ___ Flow Rates

1. **Attach Required Diagram(s)**

C. HAZARDOUS MATERIALS INVENTORY:

Chemical Inventory List:

***Attachment 3 must be completed for EACH chemical storage location listed in the Chemical Inventory List.**

	Trade Name	Chemical Name	Purpose of Chemical (e.g. prod, cleanup, pretreatment)	Location/ area
1.	Example: Sulfuric Acid	Sulfuric Acid	Plating area	Plating area storage
2.	Example: Sodium Hydrox.	Sodium Hydroxide	Pretreatment	Pretreatment storage
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	Trade Name	Chemical Name	Purpose of Chemical (e.g. prod, cleanup, pretreatment)	Location/area
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D. DESCRIPTION OF DISCHARGE PRACTICES:

1. List all sources of routine sewer discharges and describe the method of discharge, which may occur monthly, quarterly or yearly:

Process Description	Average Flow (gpd)	Maximum Flow (gpd)	Type of Discharge (batch, continuous)	Discharge Frequency
Example: electroplating discharges	500	1000	Continuous	Monthly

2. List all sources of non-routine sewer discharges of an <u>infrequent</u> nature such as batch discharges, which may occur monthly, quarterly or yearly:

Process Description	Average Flow (gpd)	Maximum Flow (gpd)	Type of Discharge (batch, continuous)	Discharge Frequency
Example: washing of plating floors	500	1000	Batch- gravity flow to pretreat system	Monthly

3. If you have chemical storage containers, bins, or ponds in a manufacturing area, could an accidental spill lead to a discharge to: (Check all that apply).

[ ] public sanitary sewer system (e.g. through a floor drain)
[ ] storm drain
[ ] to ground
[ ] other; specify _____
[ ] not applicable, no possible discharge to any of the above rules

E. EMERGENCY RESPONSE EQUIPMENT AND PROCEDURES:

Detail available emergency response equipment, location of equipment, and response procedures.

1. **Emergency response equipment:** _____

2. **Location of emergency response equipment:** _____

3. **Internal Emergency Response Procedures:**

   a. **Company Internal Contacts**

      Primary Contact Name: _____
      Primary Contact Number: _____

      Secondary Contact Name: _____
      Secondary Contact Number: _____

      Tertiary Contact Name: _____
      Tertiary Contact Number: _____

   b. **First Aid Equipment:** _____

c. Evacuation Procedures: _____

d. Notification procedures for other agencies: _____

F. SLUG NOTIFICATION AND REPORTING PROCEDURES:

JEA notification procedure for potential problems to the sanitary sewer:

In the event of any discharge that may adversely impact the Publicly Owned Treatment Works (POTW), the User shall notify JEA according to the following procedure. Such discharges may include, but not be limited to: accidental discharges; discharges of a non-routine, episodic nature; non-customary batch discharges; slug loads; pretreatment system upsets; pretreatment system bypasses; slug loads; or spills to the sanitary sewer system. Such notification is required by §of JEA's *Industrial Pretreatment Regulation*.

1. VERBAL NOTIFICATION

Verbal notification shall me made immediately by the fastest means of communication available (generally by telephone) to your representative or one of the following personnel. Notification shall include the location of the discharge; date and time thereof; type of waste, concentration and volume of the waste; and corrective actions taken.

After Hours: Environmental Incident Response Line (904) 620-9921.

Office Hours: 7:30 a.m. – 5:00 p.m. (Monday – Friday)
Address: 225 North Pearl Street
Jacksonville, 32202
Phone: (904) 665-5326 voicemail
Email: IP@jea.com

After Hours Emergencies: Environmental Incident Response (904) 620-9921

COMPLIANCE SECTION

Sharon Piltz, Environmental Scientist Senior	(904) 667-9293	taylse@jea.com
Brianna Saad, Environmental Scientist	(904) 716-4430	saadbe@jea.com
Amber Soto, Environmental Scientist Senior	(904) 914-0859	sotoac@jea.com
Bennis Branch, Environmental Technician	(904) 832-9309	branbl@jea.com
Bailey Hammond, Environmental Technician	(904) 832-4511	hammbp2@jea.com
James Wojciak, Environmental Technician	(904) 760-6719	wojcjb@jea.com
Jaren Wood, Environmental Technician	(904) 603-5935	woodj2@jea.com
Julie Hiscox, Environmental Technician	(904) 665-6000	hiscja@jea.com
Yvelis Rivera, Environmental Technician	(904) 603-5338	riveyl@jea.com

POLLUTION PREVENTION PROGRAMS COORDINATORS

Kim Pearce	(904) 510-3611	pearkw@jea.com
Matt Harris	(904) 855-9433	harrm@jea.com

MANAGER, POLLUTION PREVENTION PROGRAMS

Zack Waldroup	(904) 855-9433	waldzw@jea.com

SUPPORT STAFF

Jasmine Walton	(904) 524-7596	waltjx@jea.com

2. WRITTEN NOTIFICATION

Within five (5) days following an accidental discharge, the permittee shall submit a detailed written report describing the cause(s) of the discharge and the measures to be taken to prevent similar future occurrences. The report shall be submitted to:

JEA

Industrial Pretreatment
225 North Pearl Street
Jacksonville, FL 32202
Phone: (904) 665-8300

Reports shall address (at a minimum) the following:

7.1 Time, date, and cause of the incident

7.2 Impact of the discharge to the POTW and the environment

7.3 Extent of injury and/or damage

7.4 How other incidents of this type can be avoided

7.5 Evaluation of the adequacy of the User's response procedures

G. <u>TRAINING PROGRAM</u>: Assurances that the ADSCP is implemented by providing for employee training. Employee training should educate employees on proper handling of chemicals and the importance of not releasing these chemicals to the sanitary sewer system. A sign in log should be kept for all ADSCP related employee training.

Describe your facility's employee training program: _____

H. <u>CERTIFICATION</u>: A qualified professional responsible for preparing the ADSCP (P.E., Safety Director, Compliance Manager, etc.) and an Authorized Facility Representative shall certify the adequacy of the ADSCP to prevent and control accidental and/or slug discharges to the POTW. The ADSCP shall include certification statements such as those shown below:

I certify that the slug prevention and control equipment installed by the industry will provide adequate protection from slug loading when used and maintained properly.

Name	Signature of Preparer
Title	Date

Based on my inquiry of the person or persons directly responsible for managing compliance with the control measures in the Accidental Discharge and Slug Control Plan, I certify that, to the best of my knowledge and belief, this facility is implementing the Accidental Discharge and Slug Control Plan submitted to JEA's Industrial Pretreatment Program.

Name	Signature of Authorized Facility Representative
Title	Date

APPENDIX A

GUIDANCE DOCUMENT FOR COMPLETING ACCIDENTAL SLUG/ DISCHARGE CONTROL PLAN

This criteria is designed to help you determine which plant chemicals should be listed on page C-1.

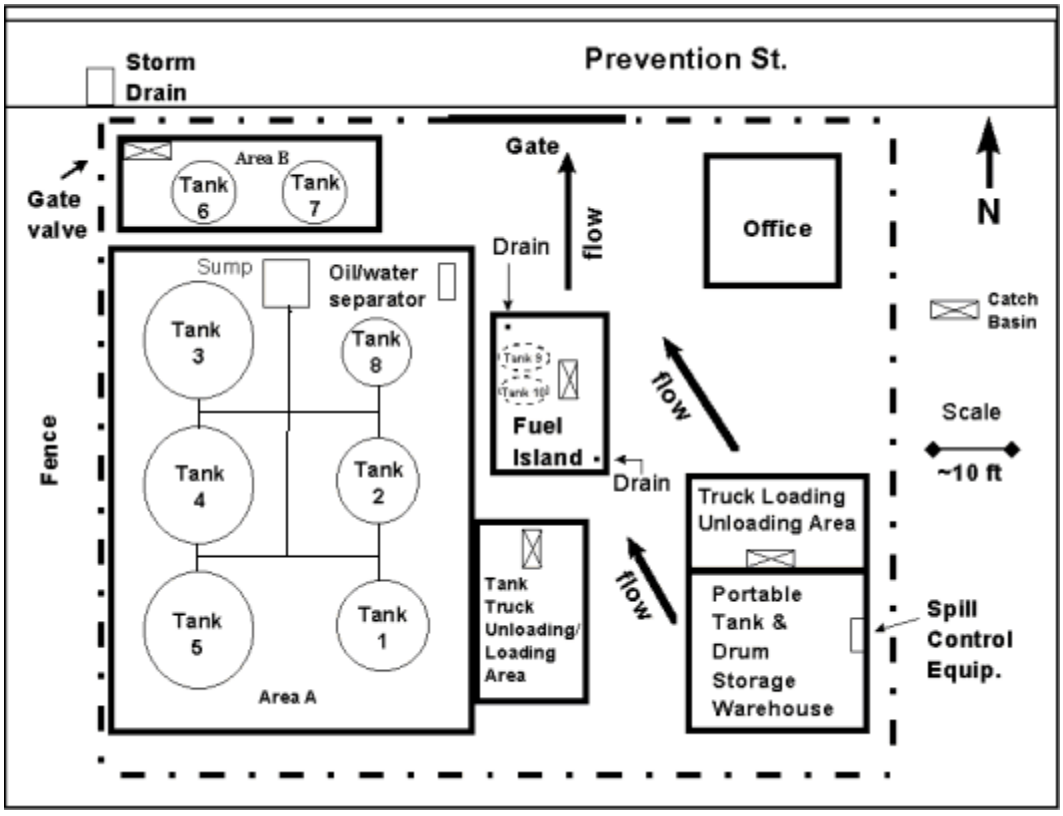
- **Ten (10) pounds or more of Heavy Metals (including Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Silver, Zinc and Cyanide) in solution.**
  - $Pounds = (concentration(mg/L) * volume\ of\ chemical(MG) * 8.34)$
  - $MG\,(MillionGallons) = \left(\frac{gallons}{1{,}000{,}000}\right)$
  - **Example: Copper, Avg concentration of 2 mg/L, 500 gallons**

$$MG = \left(\frac{500}{1000000}\right) = 0.0005 \qquad Pounds = (2 * 0.0005 * 8.34) = 0.008$$

- **One (1) gallon or more of any toxic organic substances (ie: Benzene, chlorobromomethane, Toluene, Vinyl Chloride, etc.).**
- **Lubricants, oils, & greases above five (5) gallons.**
- **All flammable liquids above one (1) gallon (ie: alcohols, solvents, fuels, etc.).**
- **Concentrated solutions of highly biodegradable matter (ie: sugars, starches, high fructose corn syrup, anti-freeze (propylene glycol), methanol, etc.) greater than or equal to 55 gallons.**
- **Any other liquid material determined to have adverse effects on the sewerage system and wastewater treatment plants (including alkaline substances, oils, foam generating wastes, highly colored wastes, pesticides and solvents not listed previously).**

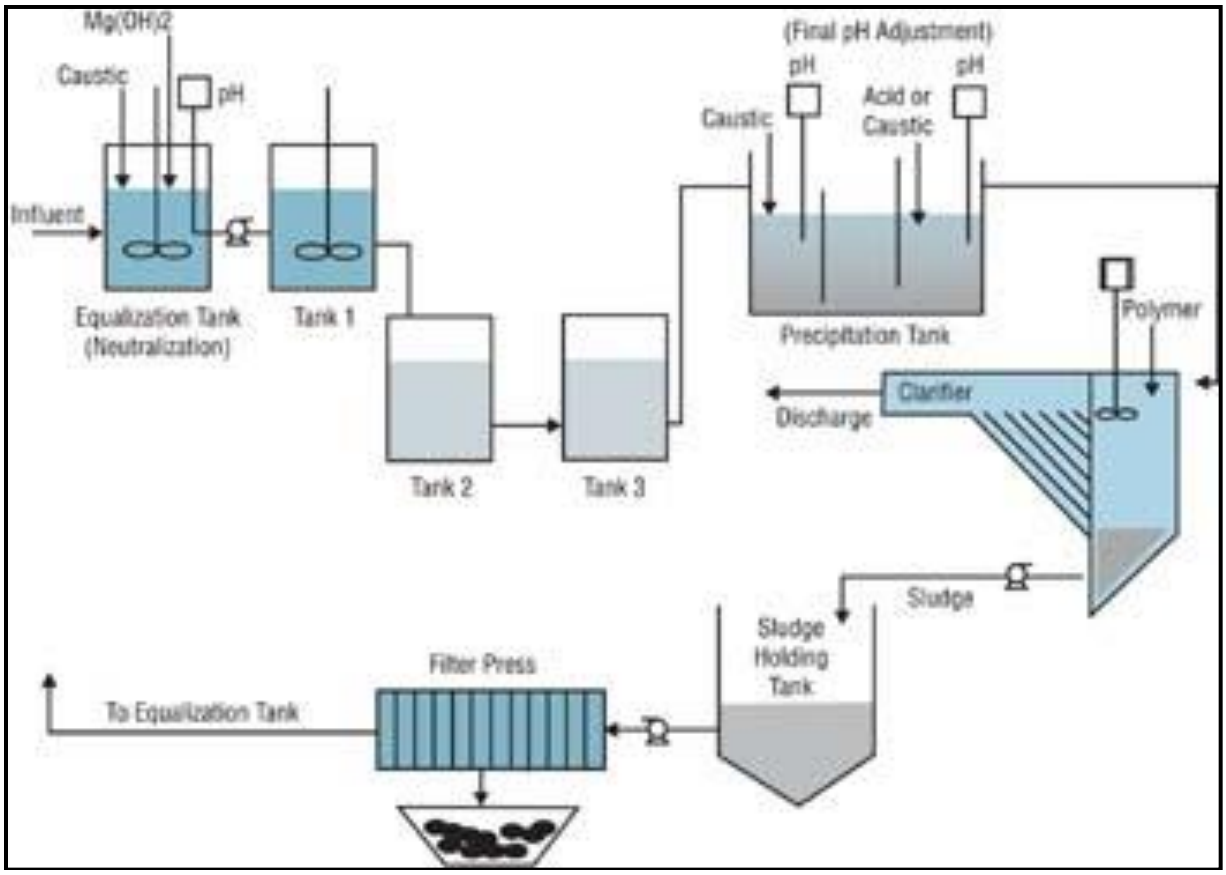
ATTACHMENT 1

Example of a facility diagram



ATTACHMENT 2

Example of a flow diagram



ATTACHMENT 3
CHEMICAL STORAGE LOGISTICS

Location/ area: _____

List Chemicals Stored in Area: _____
_____
_____

List all open floor drains/ sewer connections and proximity of chemicals: _____
_____
_____

List the spill control measures in place: _____
_____
_____

List the volume of the largest container in location/ area: _____

List the capacity of spill containment area(s). Please note, the capacity of the containment area must be a minimum of 110% the volume of the largest container. _____
_____
_____

Detail how a spill would be contained during working hours: _____
_____
_____
_____

Detail how a spill would be contained during non-working hours: _____
_____
_____
_____

Detail how spills from this area will be cleaned up and disposed: _____
_____
_____
_____

If currently there are no spill containment measures in this area, detail proposed measures to provide spill containment for chemicals and solutions in this area and the timeframe necessary to implement these measures: _____
_____
_____
_____

*** Please make additional copies of this attachment for all facility chemical storage areas.**