



**King County**

**Wastewater Treatment Division**

Industrial Waste Program

Department of Natural Resources and Parks

201 South Jackson Street, Suite 513

Seattle, WA 98104-3855

**206-477-5300** Fax 206-263-3001

TTY Relay: 711



June 14, 2016

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Pat McLaughlin  
King County SWD - Vashon Transfer Station  
201 S. Jackson Street, Suite 701  
Seattle, WA 98104

Issuance of Wastewater Discharge Authorization No. 4366-01 to King County SWD - Vashon Transfer Station

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Dear Mr. McLaughlin:

The King County Industrial Waste Program (KCIW) has reviewed your application to discharge industrial wastewater to the sewer system from the King County SWD - Vashon Transfer Station and Closed Landfill (King County SWD - Vashon Transfer Station) facility located at the Vashon Transfer Station and has issued the enclosed Major Discharge Authorization. The enclosed Discharge Authorization No. 4366-01 supersedes and cancels Permit No. 7576-04, effective August 1, 2016.

King County SWD - Vashon Transfer Station facility has been downgraded from a Permit to a Major Discharge Authorization primarily because the average daily discharge volumes are below 25,000 gallons per day (gpd), there has been very little variability in the wastewater quality to date and the discharge consistently meets all applicable discharge limits KCIW has determined that per 40 CFR 403.3(v)(3) there is no reasonable potential for adversely affecting the publicly owned treatment works' (POTW) operation or for violating any pretreatment standards or requirement, therefore you will not be considered a Significant Industrial User.

The major changes for this facility are:

1. King County SWD - Vashon Transfer Station facility is downgraded from a Permit to a Major Discharge Authorization.
2. The maximum daily discharge volume limit is reduced from 68,405 gpd to 63,000 gpd.

Pat McLaughlin

June 14, 2016

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3. Added quarterly self-monitoring requirement for soluble sulfide.

4. Added quarterly self-monitoring requirement for Nonpolar FOG.

The first self-monitoring report is due by October 15, 2016.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). As long as you maintain compliance with regulations and do not change the nature and volume of your discharge, KCIW will not require you to apply for an industrial wastewater discharge permit, a type of approval that would result in additional requirements and increased fees.

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact KCIW at least 60 days before making these changes.

King County Code 28.84.060 authorizes a fee for each Major Discharge Authorization issued by the King County Department of Natural Resources and Parks. The current fee for issuance of a Major Discharge Authorization is \$2280. King County will send you an invoice for this amount.

If you have any questions about this discharge authorization or your wastewater discharge, please call me at 206-477-5457 or email me at [dana.heinz@kingcounty.gov](mailto:dana.heinz@kingcounty.gov). You may also wish to visit our program's Internet pages at: [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Thank you for helping support our mission to protect public health and enhance the environment.

Sincerely,



Dana Heinz  
Compliance Investigator

Enclosures

cc: Mark Lampard, K.C. WTD (Interceptor Discharge)



**King County**

**MAJOR DISCHARGE AUTHORIZATION**

King County Industrial Waste Program  
201 S. Jackson Street, Suite 513  
Seattle, WA 98104-3855

**NUMBER 4366-01**

for

**King County SWD - Vashon Transfer Station and Closed Landfill**

**Facility address:** 18900 Westside HWY  
Vashon, WA 98070

**Mailing address:** 201 S. Jackson St., Suite 701  
Seattle, WA 98104

**Phone:** 206-477-4501

**Emergency (24-hour) phone:** 206-477-4466

**Industry type:** Municipal Solid Waste Transfer Station and Closed Landfill

**SIC code:** 4953      **EPA Id. No.:** WAD 980639603

**Discharge to:** West Point Treatment Plant

**Discharge process:** Wastewater generated by solid waste transfer operations and leachate from closed landfill

**Effective date:** August 1, 2016

**Expiration date:** July 31, 2021

**DESCRIPTION OF SAMPLE SITES AND DISCHARGE VOLUMES**

Sample Site No.	Description	Maximum Industrial Volume (gallons per day)
A4355	Manhole located near Duwamish Pump Station - 4501 E. Marginal Way S., Seattle. Wastewater (leachate and transfer station wash water) is hauled via tanker truck from the Vashon Transfer Station and Closed Landfill facility and discharged into MH near Duwamish Pump Station.	63,000

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 90 days prior to the expiration date. For information concerning this King County Discharge Authorization, please call Industrial Waste Compliance Investigator Dana Heinz at 206-477-5457.

**24-HOUR EMERGENCY NOTIFICATION**

**West Point Treatment Plant: 206-263-3801**  
**Washington State Department of Ecology: 425-649-7000**

## SPECIAL CONDITIONS

### **A. Screening Level for Soluble Sulfide**

1. Discharges that exceed the soluble sulfide screening level of 0.1 milligrams per liter (mg/L) have the potential to cause occupational health hazards in the sewage collection system or indicate that treatment has not been sufficient enough to remove hazardous waste characteristics.
2. Determination of the soluble sulfide concentration using an approved field test kit is acceptable.
3. For each exceedance of the screening level the permittee shall:
  - a. Take immediate action to stop the exceedance and notify KCIW within 24 hours of learning of the exceedance.
  - b. Collect a sample and submit new data to KCIW within 14 days of becoming aware of the exceedance (or the next time discharge occurs if greater than 14 days).
  - c. Submit a written report within 14 days of learning of the exceedance (14-Day Report).
  - d. The report should explain the cause of the exceedance and corrective actions taken to respond to the sulfide exceedance and ensure ongoing compliance.
4. The following conditions apply whenever KCIW monitoring or the permittee's self-monitoring results exceed the screening level for three out of four consecutive sampling events:
  - a. The permittee shall submit a plan indicating the steps that will be taken to ensure that discharges do not exceed screening levels.
  - b. This plan shall be submitted within 30 days from the third measurement indicating that the discharge exceeded the screening level, and indicate the steps that will be taken to reduce soluble sulfide concentrations so that they remain consistently below screening levels within 60 days.
5. If the submitted plan (required in Item 4) does not result in continued compliance with the screening limit, KCIW may require further action, which may include performing atmospheric hydrogen sulfide monitoring at a manhole designated by KCIW to assess for compliance with the King County local discharge limit of 10.0 parts per million, and/or establishing a soluble sulfide limit.

**SELF-MONITORING REQUIREMENTS**

A. The following self-monitoring requirements shall be met for this discharge authorization:

Sample Site No.	Parameter	Sample Type	Frequency
A4355	Arsenic, total	Grab	Quarterly
	Cadmium, total	Grab	Quarterly
	Chromium, total	Grab	Quarterly
	Copper, total	Grab	Quarterly
	Lead, total	Grab	Quarterly
	Nickel, total	Grab	Quarterly
	Silver, total	Grab	Quarterly
	Zinc, total	Grab	Quarterly
	Soluble sulfide	Grab	Quarterly
	pH	Grab	Quarterly
	Nonpolar FOG	3 Grabs <sup>B</sup>	Quarterly
	Daily discharge volume	Continuous	Day of metals sample collection
	Total monthly flow	Continuous	Monthly

- B. The three nonpolar fats, oils, and grease (FOG) grab samples shall be of equal volume, collected at least five minutes apart, and analyzed separately. When using U.S. Environmental Protection Agency approved protocols specified in 40 CFR Part 136, the individual grab samples may be composited (at the laboratory) prior to analysis. The result of the composite sample or the average of the concentrations of the three grab samples may be reported as Total FOG unless the value is 100 mg/L or greater, in which case the concentration of nonpolar FOG must be reported.
- C. If a violation of any discharge limits is detected in monitoring, you shall notify KCIW immediately upon receipt of analytical data. You must notify KCIW immediately of any other known exceedences of discharge limitations.
- D. A self-monitoring report shall be filed with KCIW no later than the 15th day of the time period following the sample collection (i.e., the 15th day of the following month for monthly, weekly, daily samples; the 15th day of the following quarter for quarterly samples). If no discharge takes place during any monitoring period, it shall be noted on the report.
- E. All self-monitoring data submitted to KCIW, which required a laboratory analysis, must have been performed by a laboratory accredited by the Washington State Department of Ecology for each parameter tested, using procedures approved by 40 CFR 136. This does not apply to field measurements performed by the industrial user such as pH, temperature, flow, atmospheric hydrogen sulfide, total dissolved sulfides, total settleable solids by Imhoff cone, or process control information.
- F. All sampling data collected by the permittee and analyzed using procedures approved by 40 CFR 136 or approved alternatives shall be submitted to KCIW whether required as part of this authorization or done voluntarily by the permittee.

- G. Self-monitoring reports shall be signed by an authorized representative of the industrial user. The authorized representative of the industrial user is defined as:
1. the president, secretary, treasurer, or a 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
  2. the manager of one or more manufacturing, production, or operating facilities, but only if the manager:
    - a. is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations
    - b. can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements and knowledgeable of King County reporting requirements
    - c. has been assigned or delegated the authority to sign documents, in accordance with corporate procedures
  3. a general partner or proprietor if the industrial user is a partnership or proprietorship, respectively
  4. a director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency
  5. The individuals described in one through four above may designate an authorized representative if:
    - a. the authorization is submitted to King County in writing
    - b. the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company or agency

## GENERAL DISCHARGE LIMITATIONS

### Corrosive substances

#### Limits

Maximum:	pH 12.0 (s.u.)
Instantaneous minimum:	pH 5.0 (s.u.)
Daily minimum:	pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than 5 percent NaOH by weight or greater than pH 12.0 are prohibited unless authorized by KCIW and subject to special conditions to protect worker safety, the collection system, and treatment works.

### Fats, oils, and grease

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Dischargers of polar FOG (oil and grease from animal and/or vegetable origin) shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for the purpose of emulsifying free-floating FOG.

Nonpolar FOG limit: 100 mg/L

The limit for nonpolar FOG is violated when the arithmetic mean of the concentration of three grab samples, taken no more frequently than at five minute intervals, or when the results of a composite sample exceed the limitation.

### Flammable or explosive materials

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two 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 5 percent nor any single reading be more than 10 percent of the lower explosive limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, the fire department, Washington State, or the U.S. Environmental Protection Agency has notified the user are a fire hazard or a hazard to the system.

<b>Petroleum Compounds</b>	<b>Maximum Concentration ppm (mg/L)</b>
Benzene	0.07
Ethylbenzene	1.7
Toluene	1.4
Total xylenes	2.2

### **Heavy metals/cyanide**

The industrial user shall not discharge wastes, which exceed the following limitations:

<b>Heavy Metals &amp; Cyanide</b>	<b>Instantaneous Maximum ppm (mg/L)<sup>1</sup></b>	<b>Daily Average ppm (mg/L)<sup>2</sup></b>
Arsenic	4.0	1.0
Cadmium	0.6	0.5
Chromium	5.0	2.75
Copper	8.0	3.0
Lead	4.0	2.0
Mercury	0.2	0.1
Nickel	5.0	2.5
Silver	3.0	1.0
Zinc	10.0	5.0
Cyanide	3.0	2.0

<sup>1</sup>The instantaneous maximum is violated whenever the concentration of any sample, including a grab within a series used to calculate daily average concentrations, exceeds the limitation.

<sup>2</sup>The daily average limit is violated: a) for a continuous flow system when a composite sample consisting of four or more consecutive samples collected during a 24-hour period over intervals of 15 minutes or greater exceeds the limitation, or b) for a batch system when any sample exceeds the limitation. A composite sample is defined as at least four grab samples of equal volume taken throughout the processing day from a well-mixed final effluent chamber, and analyzed as a single sample.

### **High temperature**

The industrial user shall not discharge material with a temperature in excess of 65° C (150° F).

### **Hydrogen sulfide**

Atmospheric hydrogen sulfide: 10.0 ppm  
(As measured at a monitoring manhole designated by KCIW)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

**Organic compounds**

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (total toxic organics [TTO] definition), acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

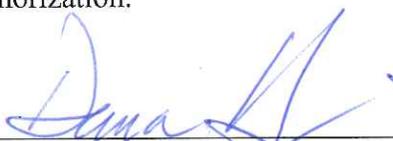
**Settleable solids**

Settleable solids concentrations: 7.0 ml/L

**GENERAL CONDITIONS**

- A. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this discharge authorization.
- B. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the municipal sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the municipal sewer system, and spill response equipment.
- C. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your KCIW representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.
- D. In the event the permittee is unable to comply with any of the conditions of this discharge authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:
1. Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem.
  2. Immediately notify KCIW and, if after 5 p.m. weekdays and on weekends, call the emergency King County treatment plant phone number on Page 1 so steps can be taken to prevent damage to the sewer system.
  3. Submit a written report within 14 days of the event (*14-Day Report*) describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.
- E. Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this discharge authorization or the resulting liability for failure to comply.
- F. The permittee shall, at all reasonable times, allow authorized representatives of KCIW to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this authorization.
- G. Nothing in this discharge authorization shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Washington State Department of Ecology.
- H. This discharge authorization does not authorize discharge after its expiration date. If the permittee wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 90 days prior to the expiration date. If the permittee submits its reapplication in the time specified herein, the permittee shall be deemed to have an effective wastewater discharge authorization until KCIW issues or denies the new wastewater discharge authorization. If the permittee fails to file its reapplication in the time period specified herein, the permittee will be deemed to be discharging without authorization.

Compliance Investigator: \_\_\_\_\_

  
Dana Heinz

Date: June 14, 2016



King County

## Industrial Waste Program Company Fact Sheet

June 14, 2016

### COMPANY INFORMATION

**Company/Agency name:** King County SWD - Vashon Transfer Station  
**Facility address:** 18900 Westside Highway  
Vashon, Washington 98070  
**Mailing address:** 201 S. Jackson Street, Suite 701  
Seattle, WA 98104  
**Treatment plant:** West Point Treatment Plant  
**Corp. contact & phone:** Pat McLaughlin, 206-477-4501  
**Site contact & phone:** Colleen Christensen, 206-263-1020  
**Company/Agency type:** Municipal solid waste transfer station and closed landfill  
**Days operating:** 362  
**SIC number:** 4953  
**EPA ID number:** WAD980639603  
**Compliance investigator:** Dana Heinz

### DISCHARGE AUTHORIZATION INFORMATION

**Permit number:** 4366-01  
**Effective date:** August 1, 2016  
**Expiration date:** July 31, 2021

#### Description of sample sites, limit types, and discharge volumes:

Sample Site No.	Description	Limit Type	Maximum Discharge Volume (gallons per day)
A4355	Manhole located near Duwamish Pump Station - 4501 E. Marginal Way S., Seattle. Wastewater (leachate and transfer station wash water) is hauled via tanker truck from the Vashon Transfer Station and discharged into MH near Duwamish Pump Station.	King County Local Limits	63,000

## DISCHARGE AUTHORIZATION PROCESSING

Permit number: 4366-01

Action	Date
Application due	February 02, 2016
Application received	February 02, 2016
Application sent to local sewer agency	February 10, 2016
Inspection date	June 01, 2016
Final publication date	June 12, 1996
Published volume	120,000 gallons per day

## COMMENTS

### Nature of Business

This site is a closed landfill and an active transfer station/recycle center for the collection and transfer of municipal solid waste. The facility has operating personnel on-site between 7:30 – 5:30 pm, 7 days a week. It is closed on Thanksgiving, Christmas Day and New Year's Day. The facility is open to the public on Monday, Wednesday, Friday, Saturday and Sunday.

### Sources of Wastewater

There are four sources of wastewater; the closed landfill leachate, transfer station wash water, leachate toe collector, and direct precipitation.

- The closed landfill consists of both lined and unlined refuse areas. Both the lined and unlined portions of the landfill have received a cover system that included a HDPE geomembrane layer. This covering system reduces the infiltration into the landfill cell thus minimizing the leachate production. Perforated pipes collect leachate and convey the flow to the leachate lagoon (aeration pond).
- Wastewater generated from the transfer station consists of drainage from the tipping floor, wash water from daily operations and surface water runoff from the trailer storage area.
- Wastewater generated from the leachate toe collector is located at the south end of the landfill outside the refuse cell to collect any potential leachate that may be present in that area. The toe collector drains to a pump station which pumps the flow to the gravity system and discharges to the leachate lagoon (aeration pond).
- Wastewater is generated from direct precipitation (rainfall) within the lagoon basin. The collection area includes the side slopes and portions of the gravel access road which are located over the lined area of leachate. This direct precipitation contributes to the total volume but it does not contribute significantly to the contaminant load in the leachate lagoon (aeration pond).

pH monitoring Grab samples using a pH meter.

Flow monitoring: The total volume discharged for any processing day shall be calculated based on the total number of hauled truckloads of landfill/transfer station leachate and the volume of each truck load for that day. The total volume for each processing day on which samples are collected shall be reported on self-monitoring reports. The total monthly discharge volume shall be reported on self-monitoring reports.

### **Limit Calculations**

The discharge from King County SWD - Vashon Transfer Station facility is regulated under King County Local Limits.

### **Changes Since the Last Permit**

- KCIW downgraded this Permit to a Major DA, primarily because the average daily discharge volume is below 25,000 gpd. In addition, KCIW monitoring and self-monitoring indicates low variability and doesn't raise any significant concerns for any of the pollutants of concern. See detailed justification section below.
- KCIW reduced the maximum daily discharge limit to 63,000 gpd from 68,500 gpd.
  - King County SWD - Vashon Transfer Station facility originally published for 120,000 in June 1996.
  - During the last five years, the average daily discharge volume was 15,963 gpd or approximately 2.25 trucks.
  - During the last five years, the maximum daily discharge volume recorded by King County SWD - Vashon Transfer Station was 8 truckloads of (7,000 gal. /truck) = 56,000 gpd in November and December of 2015.
  - King County SWD - Vashon Transfer Station applied for a maximum daily discharge volume of 9 trucks (7,000 gal. /truck) = 63,000 gpd.

### **Justification to downgrade from a Permit to a Major DA:**

King County SWD - Vashon Transfer Station facility does not meet the definition of a significant industrial user (SIU). Therefore, KCIW is downgrading this facility from a Permit to a Major DA.

As defined by 40 CFR 403.3(v), a SIU is any of the following:

- *An industrial user (IU) subject to federal categorical pretreatment standards.* The King County SWD -Vashon Transfer Station facility does not meet this definition.
- *An IU that discharges an average of 25,000 gpd or more of process wastewater to the publicly owned treatment works (POTW).* Review of past data indicated that the highest daily discharge volume was close to 56,000 gpd in 2015, which was unusual and occurred only twice in five years due to extreme rain events. During the last five years, the average daily discharge volume on days when wastewater was hauled and discharged was 15,963 gpd.

### **Treatment System**

The wastewater (as described above) is collected and stored in a 924,000-gallon pretreatment aeration pond. The pond has two aerators that operate on a timing system, one runs for 2 hours then the other aerator turns on for 2 hours etc. Wastewater collected in the basin is periodically pumped into a 7,000-gallon tanker truck, hauled and discharged into a manhole located at 4501 East Marginal Way South in Seattle, near King County's Duwamish Pump Station.

### **Compliance History**

The facility under the permit has had a very good record. There has been no recorded permit or discharge violations at this facility. In the last five years, the facility received the following King County Industrial Waste Program (KCIW) Compliance awards:

- 2011 – Gold Award
- 2012 – Silver Award (one late self-monitoring report)
- 2013 – Gold Award
- 2014 – Gold Award
- 2015 – Gold Award

### **Trends in Discharge of Pollutants of Concern**

KCIW and self-monitoring sample results collected over the current permit cycle are all well within discharge limits and do not indicate any significant trends in the discharge of pollutants of concern. Primary pollutants of concern are pH, heavy metals (As, Cd, Cr, Cu, Pb, Ni, Ag, Zn), nonpolar fats, oils, and grease (FOG), and soluble sulfide (see enclosed charts).

### **Slug and/or Spill Control Plan**

King County SWD - Vashon Transfer Station facility is a Tier I Qualified Facility and has a Spill Prevention and Containment Plan (SPCC) on site. KCIW is not requiring a Slug plan because there are no process tanks or chemicals stored on site.

### **Self-Monitoring Requirements**

King County SWD - Vashon Transfer Station facility is required to submit quarterly self-monitoring reports. The reports shall contain the results of samples collected once every calendar quarter for arsenic, cadmium, chromium, copper, lead, nickel, silver, zinc, pH, nonpolar FOG, soluble sulfide, 24-hour discharge volume on the day samples are collected, and total monthly discharge volume.

### **King County Compliance Monitoring Program**

KCIW does not monitor facilities with a Major DA.

### **Monitoring Methods**

Physical samples: Wastewater is collected and stored in a 924,000-gallon pretreatment aeration basin. Wastewater collected in the basin is periodically pumped into a 7,000-gallon tanker truck, hauled and discharged into King County's Duwamish Pump Station Manhole (MH) located at 4501 East Marginal Way in Seattle. Because this wastewater is discharged in well mixed batches (7,000 gallon trucks), a grab sample is representative of the discharge. Samples for this site are collected during discharge into the manhole at the Duwamish Pump Station.

- *An IU that contributes a process waste stream making up 5 percent or more of the average dry-weather hydraulic or organic capacity of the POTW treatment plant. King County SWD - Vashon Transfer Station facility does not meet this definition.*
- *An IU designated by the POTW as such because of its reasonable potential to adversely affect the POTW's operation or violate any pretreatment standard or requirement. The nature of wastewater that is discharged from King County SWD - Vashon Transfer Station facility is unlikely to adversely affect the POTW, or violate any pretreatment standards or requirements. The data collected during the past permit cycle indicated low variability for heavy metals and other pollutants of concern to King County (see enclosed charts).*

**Comments**

Not applicable.



**Industrial Waste Quarterly Self-Monitoring Report**

Mail or FAX to:

King County Industrial Waste  
201 S. Jackson St., Suite 513  
Seattle, WA 98104-3854  
Phone 206-477-5300

Company Name: **King County SWD – Vashon Transfer Station**

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please specify year: **20**          **QUARTER 1** **Sample Site No.: A4355** **Permit/DA No.: 4366-01**

All units are mg/l unless otherwise noted. Note: Write in self-monitoring parameters, if not provided, e.g. Silver (Ag); delete or ignore FOG or SS, if not required.

Month	Sample Date	Sample Type C (Composite) G (Grab) BC (Batch)	pH (s.n.)	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Silver	Zinc	Non-Polar fats, oils & grease (FOG) (Record average only)	Soluble Sulfide (mg/L)	Discharge Volume on sample day (gallons)	Total Monthly Flow (gallons)
January															
Total volume discharged for January															
February															
Total volume discharged for February															
March															
Total volume discharged for March															

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. I further certify that all data including a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent \_\_\_\_\_  
Date \_\_\_\_\_

**Due Date:** First Quarter Report is due by April 15 of each year.



# Industrial Waste Quarterly Self-Monitoring Report

King County

King County Industrial Waste  
201 S. Jackson St., Suite 513  
Seattle, WA 98104-3854  
Phone 206-477-5300

Mail or FAX to:

Company Name: **King County SWD - Vashon Transfer Station**

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please specify year: 20 \_\_\_\_\_ QUARTER 2 Sample Site No.: **A4355** Permit/DA No.: **4366-01**

All units are mg/l unless otherwise noted. Note: Write in self-monitoring parameters, if not provided, e.g. Silver (Ag); delete or ignore FOG or SS, if not required.

Month	Sample Date	Sample Type C (Composite) G (Grab) BC (Batch)	pH (n.s.)	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Silver	Zinc	Non-Polar fats, oils & grease (FOG) (Record average only)	Soluble Sulfide (mg/L)	Discharge Volume on sample day (gallons)	Total Monthly Flow (gallons)
April															
	Total volume discharged for April														
May															
	Total volume discharged for May														
June															
	Total volume discharged for June														

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. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent \_\_\_\_\_  
Date \_\_\_\_\_

**Due Date:** Second Quarter Report is due by July 15 of each year.



**Industrial Waste Quarterly Self-Monitoring Report**

Mail or FAX to:

King County Industrial Waste  
201 S. Jackson St., Suite 513  
Seattle, WA 98104-3854  
Phone 206-477-5300

Company Name: **King County SWD – Vashon Transfer Station**

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

10433

**QUARTER 3** Sample Site No.: **A4355** Permit/DA No.: **4366-01**

All units are mg/l unless otherwise noted. Note: Write in self-monitoring parameters, if not provided, e.g. Silver (Ag); delete or ignore FOG or SS, if not required.

Month	Sample Date	Sample Type C (Composite) G (Grab) BC (Batch)	pH (n.s.)	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Silver	Zinc	Non-Polar fats, oils & grease (FOG) (Record average only)	Soluble Sulfide (mg/L)	Discharge Volume on sample day (gallons)	Total Monthly Flow (gallons)
July															
Total volume discharged for July															
August															
Total volume discharged for August															
September															
Total volume discharged for September															

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. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent \_\_\_\_\_  
Date \_\_\_\_\_

**Due Date: Third Quarter Report is due by October 15 of each year.**



# Industrial Waste Quarterly Self-Monitoring Report

King County

King County Industrial Waste  
201 S. Jackson St., Suite 513  
Seattle, WA 98104-3854  
Phone 206-477-5300

Mail or FAX to:

Company Name: King County SWD - Vashon Transfer Station

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please specify year: 20      QUARTER 4 Sample Site No.: A4355 Permit/DA No.: 4366-01

All units are mg/l unless otherwise noted. Note: Write in self-monitoring parameters, if not provided, e.g. Silver (Ag); delete or ignore FOG or SS, if not required.

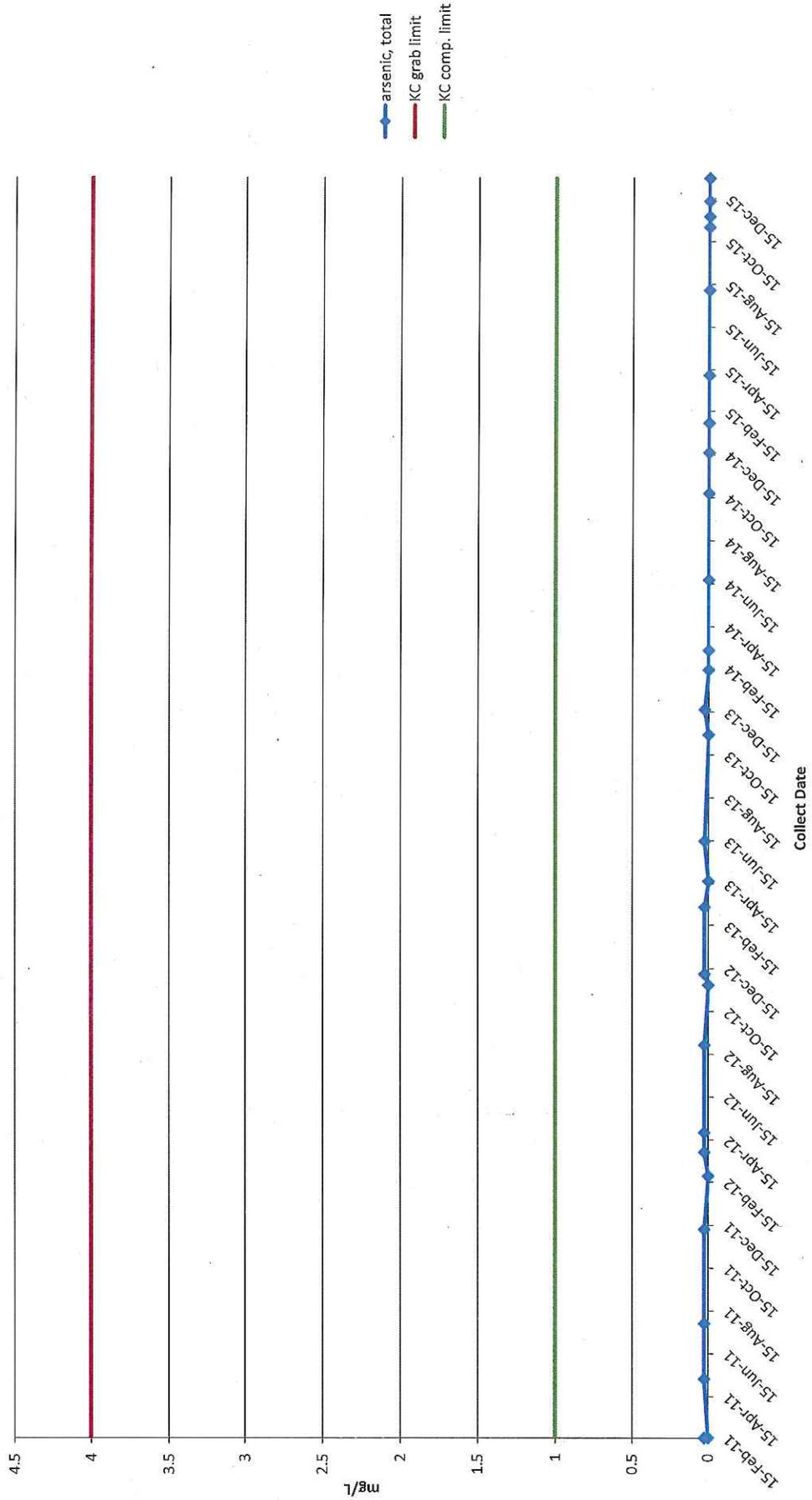
Month	Sample Date	Sample Type C (Composite) G (Grab) BC (Batch)	pH (s.u.)	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Silver	Zinc	Non-Polar fats, oils & grease (FOG) (Record average only)	Soluble Sulfide (mg/L)	Discharge Volume on sample day (gallons)	Total Monthly Flow (gallons)
October															
Total volume discharged for October															
November															
Total volume discharged for November															
December															
Total volume discharged for December															

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. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

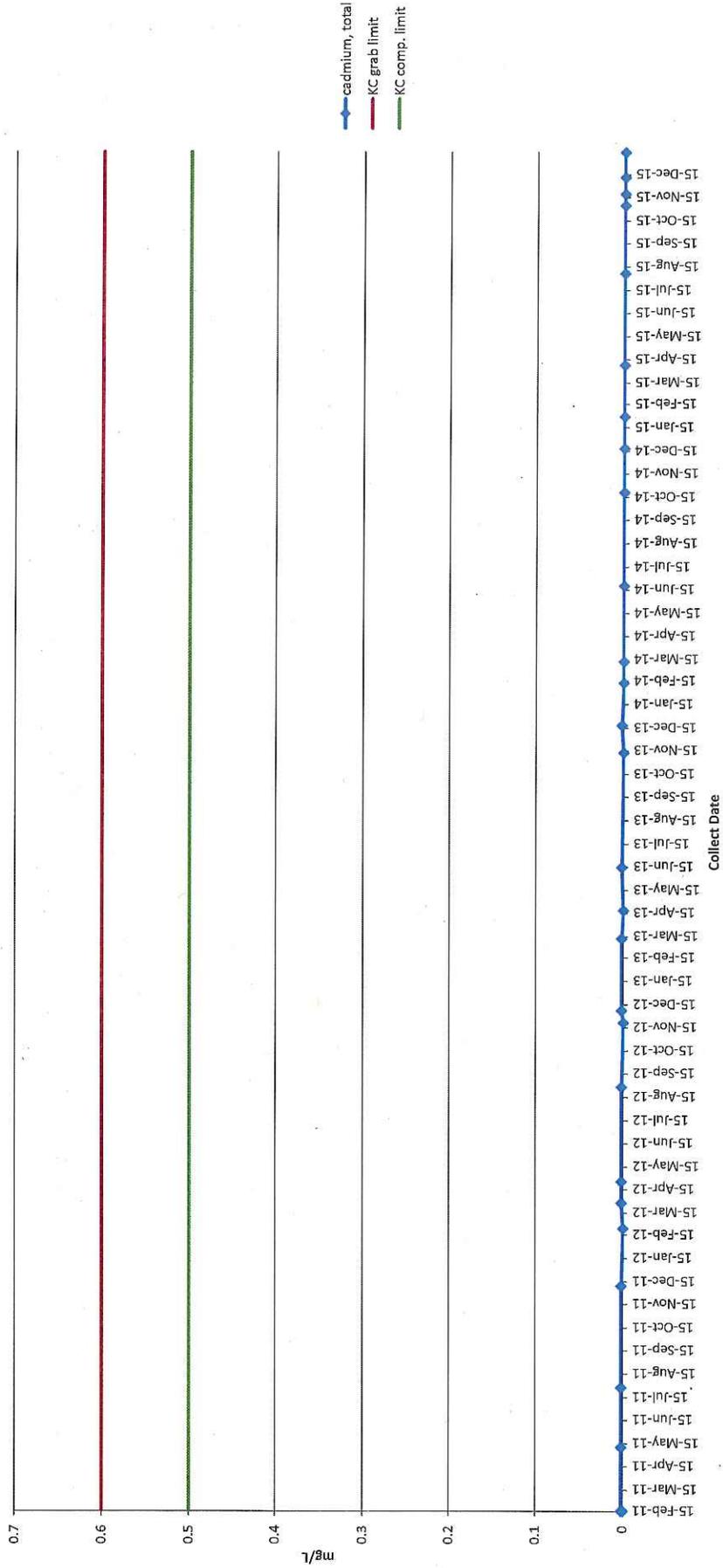
Signature of Principal Executive or Authorized Agent \_\_\_\_\_  
Date \_\_\_\_\_

**Due Date:** Fourth Quarter Report is due by January 15 of each year.

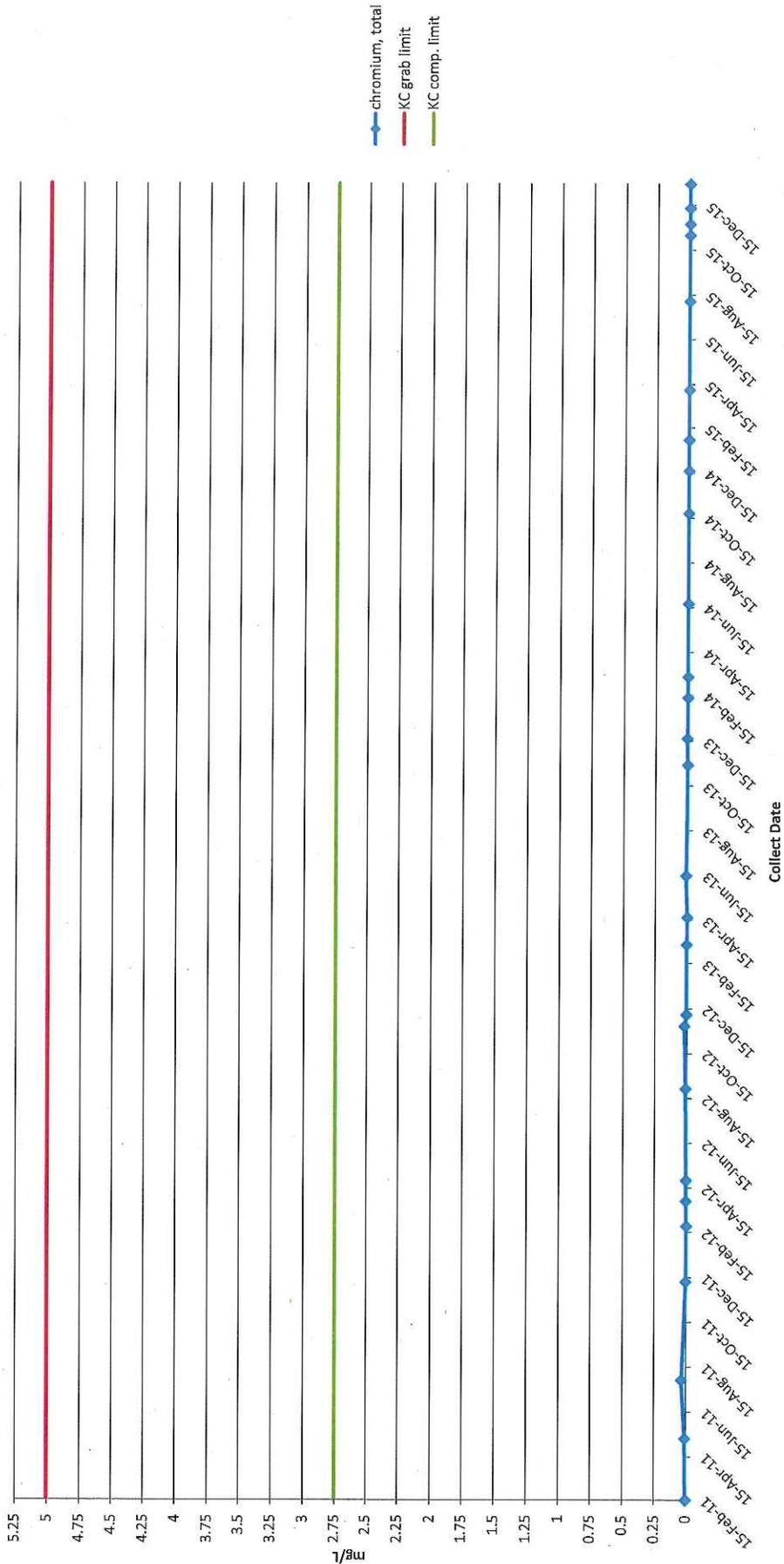
KC SWD - Vashon TS  
Permit No. 7576-04, Site No. A4355  
arsenic, total (composite and grab)  
KCIW and Self-monitoring data  
2/2011 - 2/2016



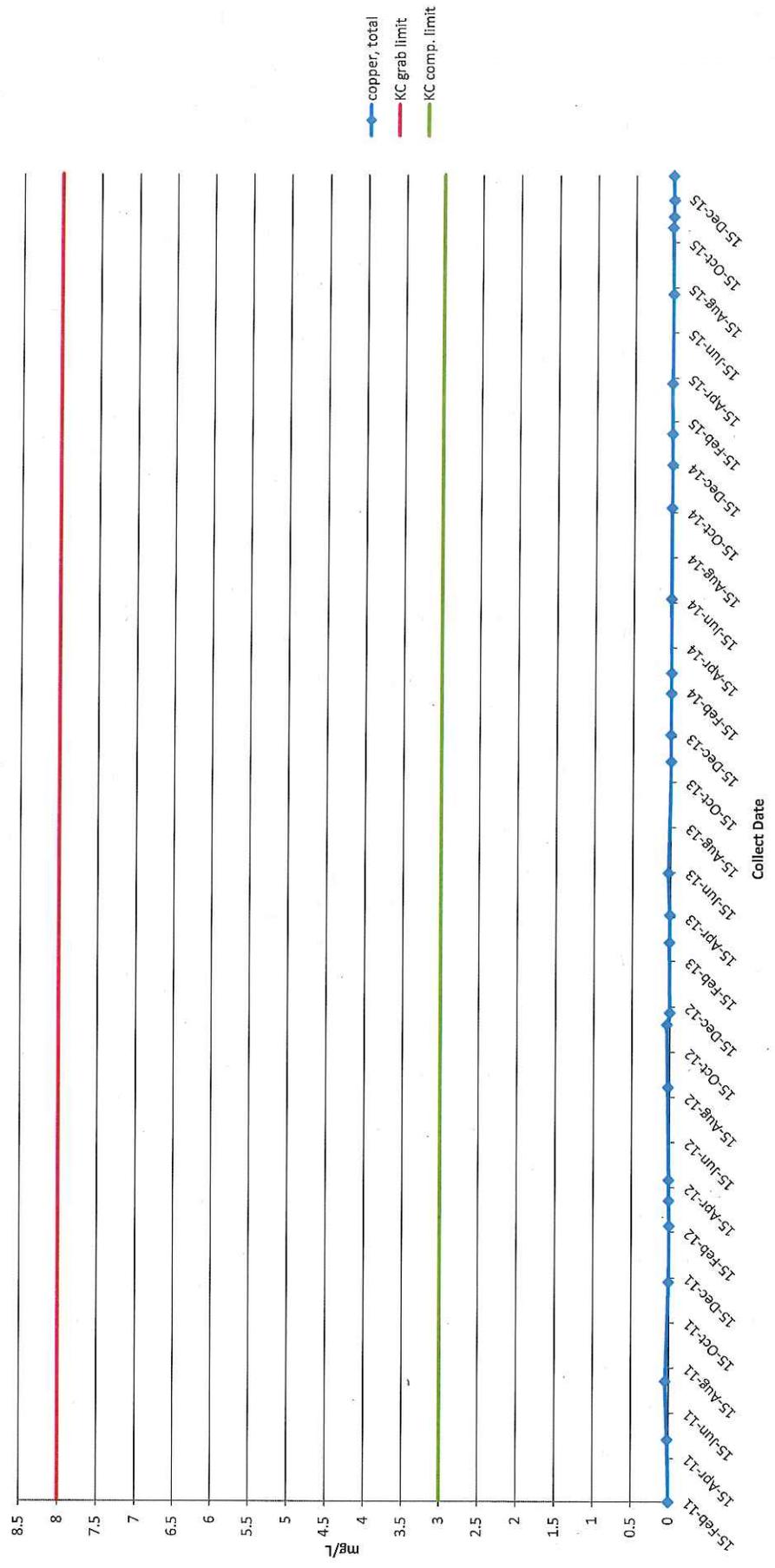
KC SWD - Vashon TS  
Permit No. 7576-04, Site No. A4355  
cadmium, total (composite and grab)  
KCIW and Self-monitoring data  
2/2011 - 2/2016



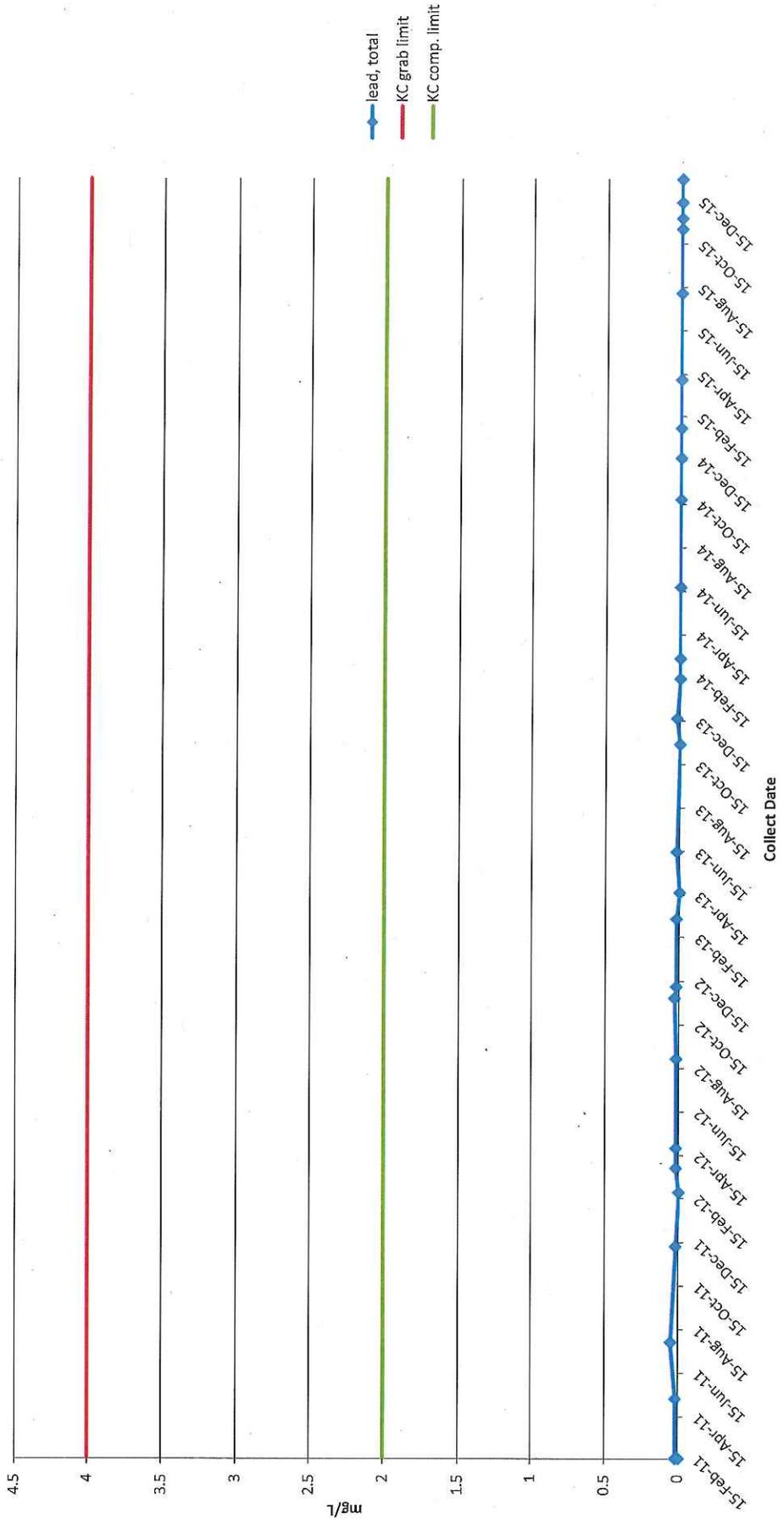
KC SWD - Vashon TS  
 Permit No. 7576-04, Site No. A4355  
 chromium, total (composite and grab)  
 KCIW and Self-monitoring data  
 2/2011 - 2/2016



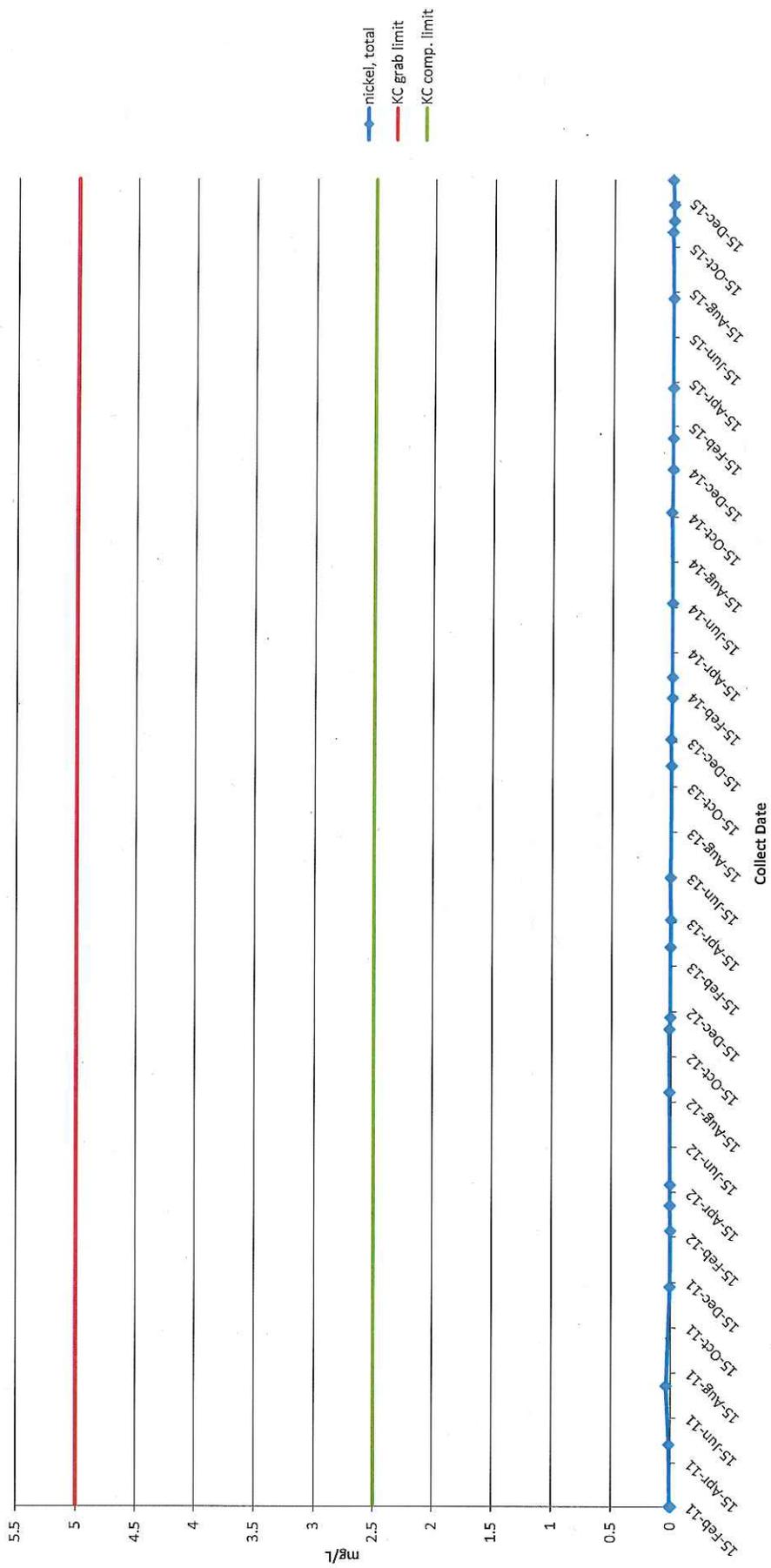
KC SWD - Vashon TS  
 Permit No. 7576-04, Site No. A4355  
 copper, total (composite and grab)  
 KCIW and Self-monitoring data  
 2/2011 - 2/2016



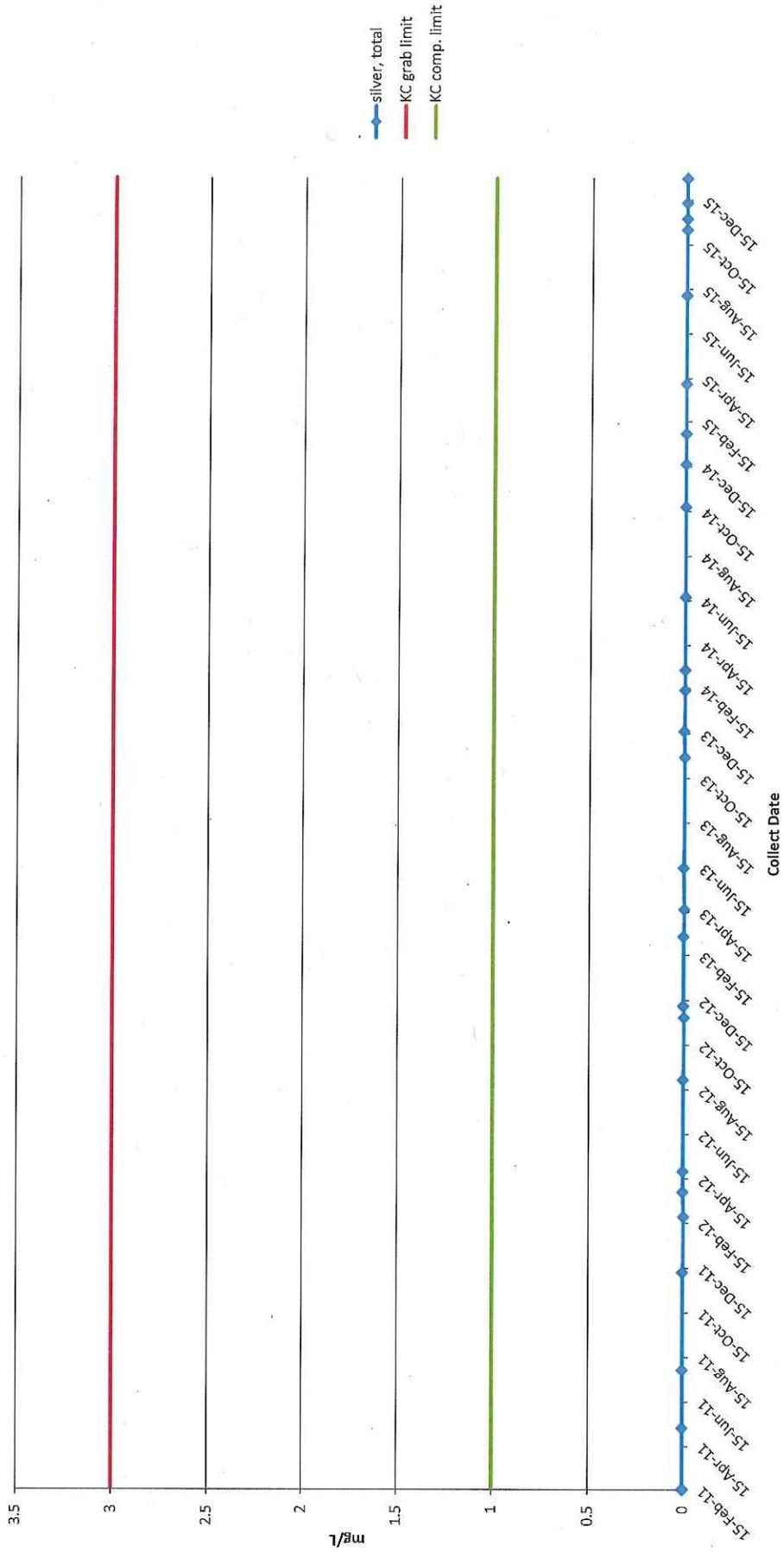
KC SWD - Vashon T5  
Permit No. 7576-04, Site No. A4355  
lead, total (composite and grab)  
KCIW and Self-monitoring data  
2/2011 - 2/2016



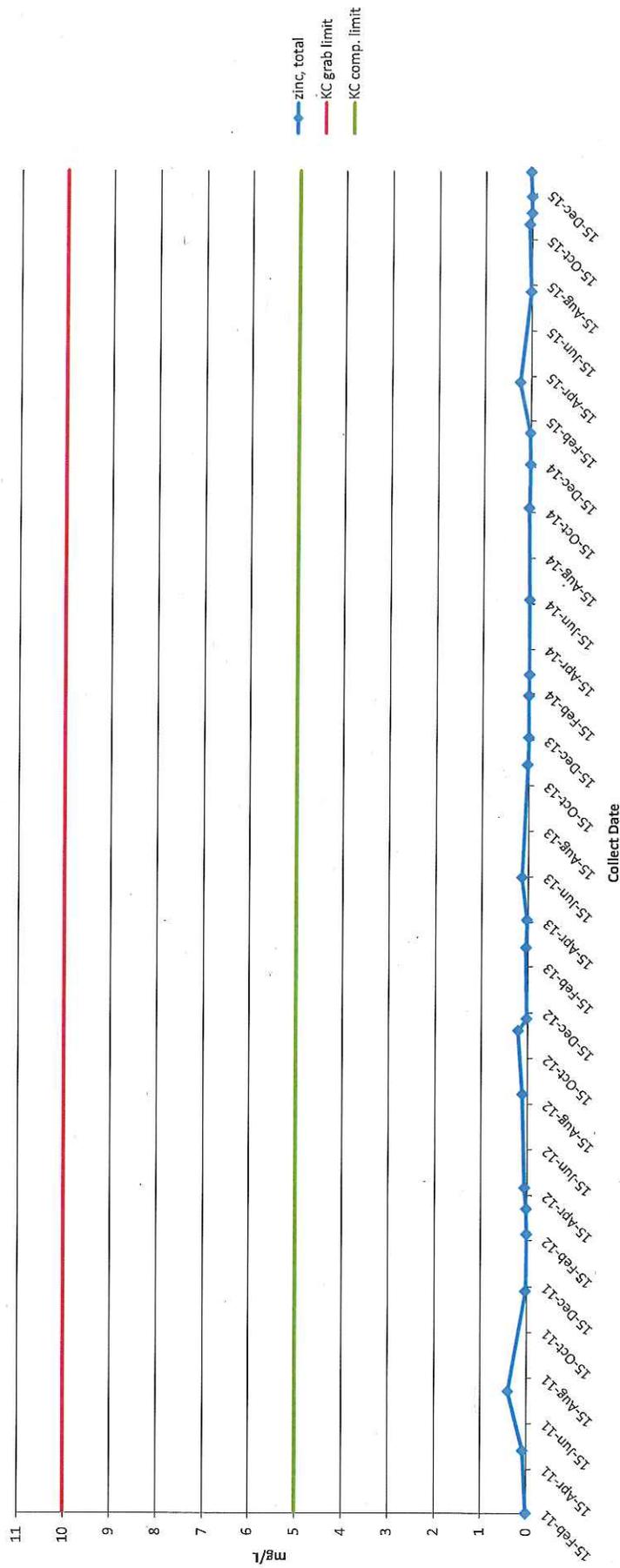
KC SWD - Vashon TS  
Permit No. 7576-04, Site No. A4355  
nickel, total (composite and grab)  
KCIW and Self-monitoring data  
2/2011 - 2/2016



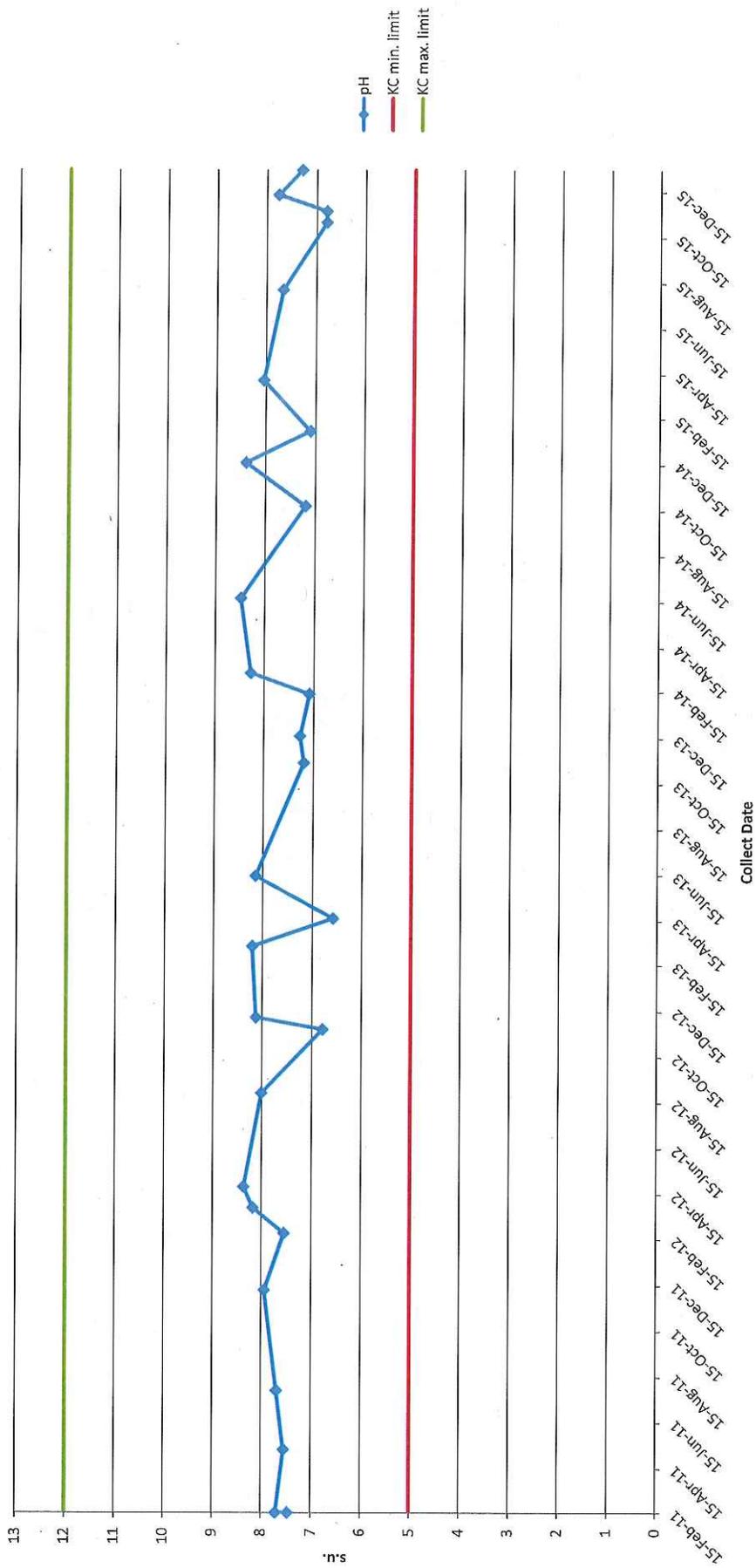
KC SWD - Vashon TS  
Permit No. 7576-04, Site No. A4355  
silver, total (composite and grab)  
KCIW and Self-monitoring data  
2/2011 - 2/2016



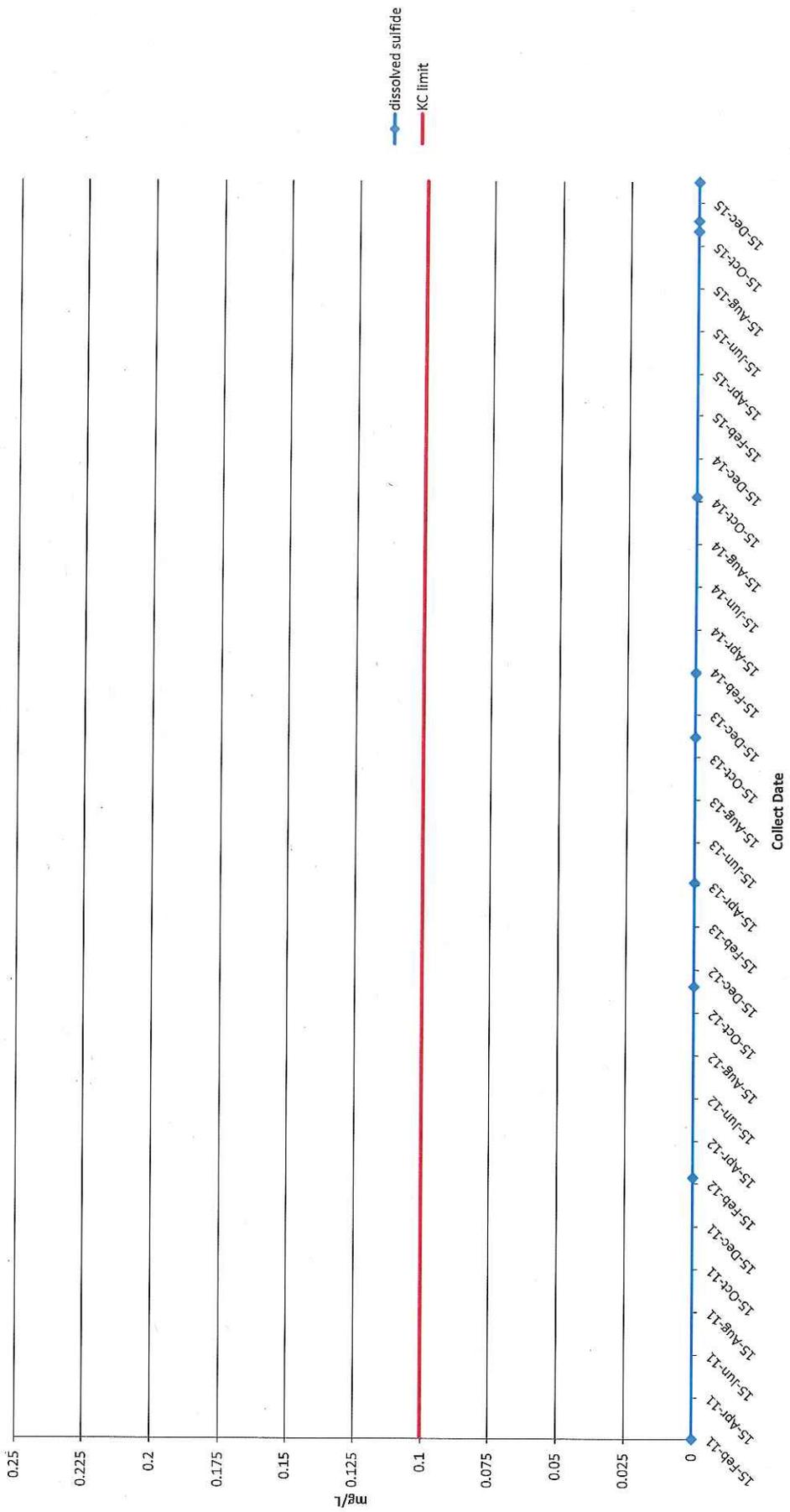
KC SWD - Vashon TS  
 Permit No. 7576-04, Site No. A4355  
 zinc, total (composite and grab)  
 KCIW and Self-monitoring data  
 2/2011 - 2/2016



KC SWD - Vashon TS  
Permit No. 7576-04, Site No. A4355  
pH (grab)  
KCIW and Self-monitoring data  
2/2011 - 2/2016



KC SWD - Vashon TS  
Permit No. 7576-04, Site A4355  
dissolved sulfide (grab)  
KCIW data  
2/2011 - 2016



KC SWD - Vashon TS  
Permit No. 7576-04, Site No. A4355  
non-polar FOG  
KCIW data  
2/2011 - 2/2016

