Attachment H

**Stormwater Reports** 

# Washington Department of Ecology Submission Cover Letter

# WQWebSubmittal - Submittal Submission Id: 1575637 - 3/20/2017 12:51:30 PM

### **Report Received Dated:**

### 3/20/2017 12:51:30 PM

Company Name	Signer Name	System Name
King County Solid Waste Division	Jennifer Keune	WQWebPortal

### Attachments:

Document Name of Description	Document File Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Monday March 20 2017
2016 Annual Report	2016 Annual Report - CH FINAL

## Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

#### For Ecology Use Only ---Dev



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# Water Quality Program

# **Permit Submittal Electronic Certification**

### Permittee: CEDAR HILLS LANDFILL

Permit Number: WAR000756

Site Address: 16645 228TH AVE SE Maple Valley, WA98038

Submittal Name: 2016 Annual Report (covers 2016 calendar year)

Version: 1

Due Date: 5/15/2017

**Comments:** 

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 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.

Jennifer Keune

3/20/2017 12:51:29 PM

Signature

Date



Permit No. WAR-<u>0 0 0 7 5 6</u>

Site Name: Cedar Hills Landfill

Site County: King

Use this form to submit your annual report to Ecology. This form is not protected. Use your F11 key to maneuver through the fields. Attach corrective action documentation, and/or additional sheets if necessary. All facilities must submit a signed annual report each year on or before May 15<sup>th</sup>. Retain a copy of your submitted report onsite for Ecology review.

### 1. Benchmarks Exceeded

This report is based on samples collected during calendar year 20 <u>16</u> .							
Note:	Did you exceed the benchmark for any parameter during the above noted calendar year (Jan 1 <sup>st</sup> – Dec 31 <sup>st</sup> )? <b>Note</b> : If you sampled a parameter (other than pH or visible oil sheen) at a discharge point more than once during a quarter, the average of the sample results must be compared to the benchmark.						
	omplete Sections 2 and 3 and sign and submit the form as described in Section 4.						
No 🗌 - C	omplete Section 2, skip Section 3, and sign and submit the form as described in Section 4.						
Include any	v additional comments here:						
• • · · · ·	stormwater associated with industrial activities at the Cedar Hills Landfill was effectively managed in 2016. benchmark exceedances resulted from two contributing factors:						
i)	A vehicle rollover accident in January 2016 caused a release of diesel to a roadside ditch upstream of monitoring location GS1. Spill response activities were prompt and effective, but residual sheen lingered in the vicinity of GS1 during the first and second quarters of 2016.						
ii)	A portion of the landfill was under construction in 2016. The contractor and CSGP permit holder (No.						

A portion of the landfill was under construction in 2016. The contractor and CSGP permit holder (No. WAR303859) was responsible for temporary erosion and sediment control (TESC) within the project area. Intense rain in October 2016 overwhelmed TESC BMPs, resulting in a discharge of sediment-laden stormwater from the construction area to ISGP monitoring locations downstream.

Additionally, construction of a new stormwater treatment and flow control facility was constructed in 2016, fulfilling the Level 3 Corrective Action triggered in 2014.

## 2. Stormwater Problems Identified At the Facility

Instructions: Based on the best available information, briefly describe any potential or actual stormwater pollution problem(s) you identified during the previous calendar year (Jan  $1^{st}$  – Dec  $31^{st}$ ).

- Sources of available information may include (but may not be limited to): SWPPP reviews, audits made by consultants or providers of technical assistance, inspection reports or other notification made by federal/state/local authorities, visual observations, and/or your facility's monthly site inspections (selfinspections).
- For each problem identified, provide the date you discovered the problem (estimate if necessary).
- Do not include problems discovered through stormwater sampling. This information is covered in Section 3.

## Date Problem Discovered: 2016

**Describe the Problem:** Most issues identified during monthly inspections in 2016 were related to routine maintenance of BMPs and were addressed promptly and effectively. Compliance with the ISGP was complicated by discharge of turbid stormwater from a separately-permitted construction project within the landfill property. For more information, see Section 3, below.

### 3. Corrective Actions Planned or Taken

Instructions: <u>Complete this section for each pollutant parameter (e.g., turbidity, copper) that exceeded a benchmark during the previous calendar year (Jan 1<sup>st</sup> – Dec 31<sup>st</sup>). The permit requires you to identify the condition triggering the need for corrective action review. To do this, indicate below which quarters had a sample result that exceeded the benchmark. If more than one sample was taken at a sample location, indicate which quarters had an <u>average</u> sample result that exceeded the benchmark. Note: If you exceeded the benchmark for more than one parameter (e.g., turbidity and zinc), make additional copies of Section 3 and complete one for each parameter.</u>
Pollutant Parameter: Turbidity benchmark was exceeded during the following quarters (check all that apply):
1 <sup>st</sup> Quarter (January, February, March)
2 <sup>nd</sup> Quarter (April, May, June)
☐ 3 <sup>rd</sup> Quarter (July, August, September)
⊠ 4 <sup>th</sup> Quarter (October, November, December)
Instructions: For the pollutant parameter above, summarize any Level 1, 2, or 3 corrective actions completed during the previous calendar year and include the dates you completed the corrective actions.
Level 1 corrective action
Describe the additional operational source control BMPs you implemented (Permit Condition S8.B):
This benchmark exceedance was attributed to construction activities covered under the CSGP. A significant rain event in October 2016 overwhelmed TESC BMPs within the construction area, causing sediment-laden water to discharge from the construction area and flow to ISGP monitoring locations downstream. Since industrial activities were not the cause of this benchmark exceedance, no revisions were made to the ISGP SWPPP and no changes were made to operational source control BMPs. King County Solid Waste Division worked with the construction contractor who held the CSGP to improve TESC within the construction area.
Date corrective action was completed: October 2016
Level 2 corrective action Describe the additional <i>structural source control</i> BMPs you implemented (Permit Condition S8.C):
Date corrective action was completed:
Level 3 corrective action
Describe the additional <i>treatment</i> BMPs you implemented (Permit Condition S8.D):
Date corrective action was completed:
Instructions: For the pollutant parameter listed above, describe the status of any Level 2 or 3 corrective actions triggered during the previous calendar year, but have not yet been completed. Identify the date you expect to complete corrective actions.
Level 2 corrective action
Describe the status of the corrective action:
Date you expect to complete corrective action:
Level 3 Corrective Action
Describe the status of the corrective action:
Date you expect to complete corrective action:

I<sup>st</sup> Quarter (January, February, March)

- 2<sup>nd</sup> Quarter (April, May, June)
- 3<sup>rd</sup> Quarter (July, August, September)
- 4<sup>th</sup> Quarter (October, November, December)

Instructions: For the pollutant parameter above, summarize any Level 1, 2, or 3 corrective actions completed during the previous calendar year and include the dates you completed the corrective actions.

#### Level 1 corrective action

Describe the additional operational source control BMPs you implemented (Permit Condition S8.B):

The presence of oil sheen at monitoring location GS1 was a direct result of a vehicle rollover accident that occurred in January 2016. Spill response activities were prompt and effective but residual oil sheen was present during first and second quarter monitoring events. In the interest of preventing future accidents, site personnel were reminded to obey posted speed limits.

Date corrective action was completed: January 2016

Level 2 corrective action

Describe the additional *structural source control* BMPs you implemented (Permit Condition S8.C):

In the interest of preventing future accidents, road improvements were made, including paving of shoulders and superelevation improvements.

Date corrective action was completed: December 2016

Level 3 corrective action

Describe the additional *treatment* BMPs you implemented (Permit Condition S8.D):

Date corrective action was completed:

Instructions: For the pollutant parameter listed above, describe the status of any Level 2 or 3 corrective actions triggered during the previous calendar year, but have not yet been completed. Identify the date you expect to complete corrective actions.

Level 2 corrective action

Describe the status of the corrective action:

Date you expect to complete corrective action:

Level 3 Corrective Action Describe the status of the corrective action:

Date you expect to complete corrective action:

**Pollutant Parameter:** Copper benchmark was exceeded during the following quarters (check all that apply): 1<sup>st</sup> Quarter (January, February, March) 2<sup>nd</sup> Quarter (April, May, June) 3<sup>rd</sup> Quarter (July, August, September) 4<sup>th</sup> Quarter (October, November, December) Instructions: For the pollutant parameter above, summarize any Level 1, 2, or 3 corrective actions completed during the previous calendar year and include the dates you completed the corrective actions.  $\boxtimes$  Level 1 corrective action Describe the additional operational source control BMPs you implemented (Permit Condition S8.B): Same as corrective action for turbidity exceedance, described above. Date corrective action was completed: Level 2 corrective action Describe the additional structural source control BMPs you implemented (Permit Condition S8.C): Date corrective action was completed: Level 3 corrective action Describe the additional *treatment* BMPs you implemented (Permit Condition S8.D): Date corrective action was completed: Instructions: For the pollutant parameter listed above, describe the status of any Level 2 or 3 corrective actions triggered during the previous calendar year, but have not yet been completed. Identify the date you expect to complete corrective actions. Level 2 corrective action Describe the status of the corrective action: Date you expect to complete corrective action: Level 3 Corrective Action Describe the status of the corrective action: Date you expect to complete corrective action:

### 4. Certification by Permittee

"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."

Company

Date

Signature\*

#### \*Note: Signature not required if the form is submitted electronically through the Water Quality Permitting Portal

\*Federal regulations require this report to be signed by the following person, or a duly authorized representative: A. In the case of corporations, by a responsible corporate officer.

- Note: Responsible Corporate Officer is defined on p.59 of ISGP: http://www.ecy.wa.gov/programs/wq/stormwater/industrial/ISGPFinal2015.pdf
- B. In the case of a partnership, by a general partner of a partnership.
- C. In the case of sole proprietorship, by the proprietor.
- D. In the case of a municipality, state, federal, or other public facility: by either a principal executive officer or ranking elected official.

#### A person is a duly authorized representative only if:

- 1. The authorization is made in writing by a person described above and submitted to Ecology.
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters.

#### Please upload the completed form to the Water Quality Permitting Portal:

http://www.ecy.wa.gov/programs/wq/permits/paris/portal.html. Make sure you retain a copy for your records.

- Click on "Permit Submittals"
- Then, click on "My Permits", and
- Then, click on "Submittals".

If you have any issues or questions, please contact Ecology's IT support staff at <u>WQWebPortal@ecy.wa.gov</u> or call 800-633-6193/Option 3

If you have questions about this form, contact the following Ecology staff:								
Location	Contact Name	Phone	E-mail					
City of Seattle, and Kitsap, Pierce, and Thurston counties	Josh Klimek	360-407-7451	josh.klimek@ecy.wa.gov					
Island, King, and San Juan counties	Clay Keown	360-407-6048	<u>clay.keown@ecy.wa.gov</u>					
Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Skagit, Snohomish, Spokane, Stevens, Walla, Whatcom, and Whitman counties.	Shawn Hopkins	360-407-6442	shawn.hopkins@ecy.wa.gov					
Benton, Chelan, Clallam, Clark, Cowlitz, Douglas, Grays Harbor, Jefferson, Kittitas, Klickitat, Lewis, Mason, Okanogan, Pacific, Skamania, Wahkiakum, and Yakima counties.	Joyce Smith	360-407-6858	joyce.smith@ecy.wa.gov					

To request materials in a format for the visually impaired, call the Water Quality Program at Ecology, 360-407-6600, Relay Service 711, or TTY 877-833-6341.

# Washington Department of Ecology Submission Cover Letter

# WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1535707 -4/12/2016 4:44:59 PM

### **Report Received Dated:**

4/12/2016 4:45:08 PM

Company Name	Signer Name	System Name		
King County Solid Waste Division	Pamela Badger	WQWebPortal		

Attachments:

Document Name of Description	Document File Name			
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Tuesday April 12 2016			

## Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only ---Dev



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# Validation Report

# Facility: CEDAR HILLS LANDFILL - Permit: WAR000756

## Monitoring Period: 01/01/2016 to 03/31/2016

## Validation Message Type: Warning

Outfall	Monitoring Point	Parameter	Units	Sample Date/ Statistical Base	Value Entered	Limit/Benchmark	Error Message
GS1		Oil & Grease Not Applicable	Yes/No	02/11/2016	Yes		The reported value exceeded the benchmark. You are required to take action (See Permit Condition S8).



Permit Number: WAR000756

Monitoring Period: 01/01/2016 - 03/31/2016

Facility County: King

Permittee: CEDAR HILLS LANDFILL

Receiving Waterbody: Unnamed stream

Outfall: GS1 - Discharge to unnamed stream (wetland)

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Grab Grab	pH Standard Units Grab Grab	Oil & Grease Yes/No Guarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Micrograms/L (ug/L) Grab	GS1 ISGP Non-	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Grab	Total Total I SD Milligrams/L (mg/L) Grab	Alpha-terpineol (3-Cyclohexene-1-methanol.,.alpha.,trimethyl-)	GS1 ISGP Non-	P-Cresol (4-methylphenol) Micrograms/L (ug/L) ISB Quarterly Grab
		- 2015	- 2015	- 2015	ISGP Western WA - 2015	- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	445 subpart B)- 2015	B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015
	imit Set	Permit	Permit	Permit	Permit	Permit	permit	permit	permit	permit	permit	permit
7-Th	2/11/16	11.3	6.13	Yes*	2.83	4.24	3.2	6.2	0.189	<5	<50	<10
м	inimum		6.13 BM: >= 5.0 (RO)									
		11.3	(		2.83	4.24						
A	verage	BM: <= 25			BM: <= 14	BM: <= 117						
			6.13									
M	aximum		BM: <= 9.0 (RO)									
Month 1 Average							М	М	М	М	М	М
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month	n 2 Average						3.2	6.2	0.189	<5	<50	<10
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month	n 3 Average						M	M	M <= 4.9	M	M <= 71	M <= 14
							<= 37	<= 27		<= 16	<= /	<= 14
Repor	ting Codes	Used: B - Be	elow Detectio	on Limit/No E	Detection, M	- Monitoring	s is Condition	hal/Not Req	I NIS MP			

Outfall: GS1 - Discharge to unnamed stream (wetland)

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment					
GS1	Oil & Grease Not Applicable Yes/No	2/11/2016	Yes	Presence of oil sheen attributed to truck rollover accident that released fuel into Stormwater ditch one month prior to sampling. Spill was immediately cleaned up to the maximum extent practicable (Ecology staff onsite during cleanup). Sampling results indicate that residual amounts of petroleum remain, likely bound to sediment and/or vegetation near sampling location. The quantity of residual petroleum remaining is small and it is unlikely that additional cleanup measures would remove a meaningful quantity. Natural attenuation is the preferred method of managing residual petroleum impacts in this situation.					

Week	Monitoring Point	Phenol Micrograms/L (ug/L) Grab Grab	Dinc Total SB Micrograms/L (ug/L) Grab Grab	PH Standard Units I S2 Grab 
			Haz Waste Landfill (40CFR part	
	imit Sat	Landfill (40CFR part 445 subpart B)- 2015	Landfill (40CFR part 445 subpart B)- 2015	Landfill (40CFR part 445 subpart B)- 2015
Li 7-Th	imit Set 2/11/16	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart
		Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
7-Th		Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.13
7-Th <b>M</b>	2/11/16	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.13 6.13
7-Th M	2/11/16 inimum	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.13 >= 6.0 (RO) 
7-Th M	2/11/16 inimum werage	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 4.24	Landfill (40CFR part 445 subpart B)- 2015 permit 6.13 6.13 >= 6.0 (RO)
7-Th M A Ma	2/11/16 inimum werage	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.13 >= 6.0 (RO) 
7-Th M A Ma	2/11/16 inimum verage aximum	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 4.24	Landfill (40CFR part 445 subpart B)- 2015 permit 6.13 >= 6.0 (RO) 
7-Th M A Month Month	2/11/16 inimum iverage aximum n 1 Average	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 4.24 	Landfill (40CFR part 445 subpart B)- 2015 permit 6.13 >= 6.0 (RO) 



Permit Number: WAR000756

Facility County: King Monitoring Period: 01/01/2016 - 03/31/2016 Permittee: CEDAR HILLS LANDFILL Receiving Waterbody: Unnamed stream

Outfall: N4 - Discharge to unnamed stream (McDonald

Version: 1

Cr)

										<b>T</b>		
		Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol.,.alpha.,alpha.,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Grab Grab
Week	Monitoring Point	N4	N4	N4	N4	N4	N4	N4	N4	N4	N4	N4
	imit Set	- 2015	- 2015	- 2015	ISGP Western WA - 2015 Permit	- 2015	445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	445 subpart B)- 2015	445 subpart B)- 2015	445 subpart B)- 2015	445 subpart B)- 2015
-	imit Set	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA	Western WA	Western WA	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart
L: 3-T	1	Western WA - 2015	Western WA - 2015 Permit 7.52	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T	1	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-Т М	1/12/16 linimum	Western WA - 2015 Permit	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-Т М	1/12/16	Western WA - 2015 Permit 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9	Western WA - 2015 Permit 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-Т М	1/12/16 linimum	Western WA - 2015 Permit 3.05 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9 10.9	Western WA - 2015 Permit 24.9 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T M	1/12/16 linimum	Western WA - 2015 Permit 3.05 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0 (RO)	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9 10.9	Western WA - 2015 Permit 24.9 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T M	1/12/16 linimum werage	Western WA - 2015 Permit 3.05 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0 (RO) 7.52 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9 10.9	Western WA - 2015 Permit 24.9 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T M	1/12/16 linimum lverage aximum	Western WA - 2015 Permit 3.05 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0 (RO) 7.52 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9 10.9	Western WA - 2015 Permit 24.9 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <2	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 1 1	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 0.0262	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <5	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <50	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <10
3-T M A M	1/12/16 linimum lverage aximum	Western WA - 2015 Permit 3.05 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0 (RO) 7.52 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9 10.9	Western WA - 2015 Permit 24.9 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <2 <2 <2 <= 37 M	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 1 1 	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 0.0262	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <5 <5 <= 16 M	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <50 <50 <= 71 M	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <10 <10 <= 14 M
3-T M A M	1/12/16 linimum lverage aximum h 1 Average	Western WA - 2015 Permit 3.05 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0 (RO) 7.52 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9 10.9	Western WA - 2015 Permit 24.9 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <2 <2 <2 <= 37 M <= 37	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 1 1 	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 0.0262	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <5 <5 <= 16 M <= 16	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <50 <50 <= 71 M <= 71	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <10 <10 <= 10 <= 14 M <= 14
3-T M A Month Month	1/12/16 linimum lverage aximum h 1 Average	Western WA - 2015 Permit 3.05 3.05	Western WA - 2015 Permit 7.52 7.52 BM: >= 5.0 (RO) 7.52 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 10.9 10.9	Western WA - 2015 Permit 24.9 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <2 <2 <2 <= 37 M	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 1 1 	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 0.0262	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <5 <5 <= 16 M	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <50 <50 <= 71 M	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <10 <10 <= 14 M

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

Week	Monitoring Point	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Grab	pH Standard Units Grab
		ISGP Non-	ISGP Non-	ISGP Non-
		Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart
	imit Set	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
L 3-T	imit Set 1/12/16	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015
3-T	1/12/16	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-T		Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52
3-T M	1/12/16	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52
3-T M	1/12/16 inimum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52 >= 6.0 (RO)
3-T M	1/12/16 inimum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52
3-T M A M	1/12/16 inimum .verage aximum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52 >= 6.0 (RO) 
3-T M A M	1/12/16 inimum werage	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52 >= 6.0 (RO) 
3-T M A M Monti	1/12/16 inimum iverage aximum n 1 Average	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52 >= 6.0 (RO) 
3-T M A M Monti	1/12/16 inimum .verage aximum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 24.9	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52 >= 6.0 (RO) 
3-T M M Montil	1/12/16 inimum iverage aximum n 1 Average	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 24.9 24.9 24.9 24.9 <= 110 M	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.52 7.52 >= 6.0 (RO) 



Permit Number: WAR000756

Monitoring Period: 01/01/2016 - 03/31/2016

Facility County: King

Permittee: CEDAR HILLS LANDFILL

Receiving Waterbody: Unnamed stream

Outfall: SL3 - Discharge to unnamed stream (ditch)

Version: 1

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		Turbidity (NTU) Measured NTU Guarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Micrograms/L (ug/L) Grab	Total BOD5 Total Milligrams/L (mg/L) Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Grab	Ammonia Total Milligrams/L (mg/L) Grab	Alpha-terpineol (3-Cyclohexene-1-methanol.,.alpha.,alpha.,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Grab
Week	Monitoring Point	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
		ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015
	imit Set	Permit	Permit	Permit	Permit	Permit	permit	permit	permit	permit	permit	permit
3-T	1/12/16	3.56	6.55	No	3	11	<2	1.4	<0.01	<5	<50	<10
м	linimum		6.55 BM: >= 5.0 (RO)									
		3.56			3	11						
A	verage	BM: <= 25			BM: <= 14	BM: <= 117						
м	aximum		6.55 BM: <= 9.0 (RO)									
			(				<2	1.4	<0.01	<5	<50	<10
Montl	h 1 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
							M	M	M	M	M	M
Montl	h 2 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
							М	М	М	М	М	М
Montl	h 3 Average											
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

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 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.

Pamela Badger

4/12/2016 4:44:58 PM

Signature

Date

Week	Monitoring Point	445 subpart	Zinc Total SCB Nou-Haz Waste Tandfill Gaab Carab	445 subpart
Li	imit Set	B)- 2015 permit	B)- 2015 permit	B)- 2015 permit
3-T	1/12/16	<4	11	6.55
М				6.55
Δ	inimum			>= 6.0 (RO)
	inimum verage			>= 6.0 (RO)
				>= 6.0 (RO) 6.55 <= 9.0 (RO)
M	verage	<4 <= 15	11 <= 110	6.55
M	verage aximum			6.55

# Washington Department of Ecology Submission Cover Letter

# WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1548865 -8/3/2016 2:28:01 PM

**Report Received Dated:** 

8/3/2016 2:28:01 PM

Company Name	Signer Name	System Name
King County Solid Waste Division	Pamela Badger	WQWebPortal

Attachments:

Document Name of Description	Document File Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Wednesday August 03 2016

## **Attestation Agreed to at Signing:**

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only ---Dev



klx2T2nNKBdWYW2IseAIgCiL9qTOYg89n0hXUDrudBHiyp +kvLPH486S5CaB5PL7ki3AGQ7irjFMAr2ePJ3Tp7bK1a6pJdkb8gLCaF7tjk8=



# **Validation Report**

# Facility: CEDAR HILLS LANDFILL - Permit: WAR000756

## Monitoring Period: 04/01/2016 to 06/30/2016

### Validation Message Type: Warning

Outfall	Monitoring Point	Parameter	Units	Sample Date/ Statistical Base	Value Entered	Limit/Benchmark	Error Message
GS1		Oil & Grease Not Applicable	Yes/No	04/05/2016	Yes		The reported value exceeded the benchmark. You are required to take action (See Permit Condition S8).

# Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permittee: CEDAR HILLS LANDFILL

Permit Number: WAR000756 Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 04/01/2016 - 06/30/2016

Outfall: GS1 - Discharge to unnamed stream (wetland)

Version: 1

wontoning ren	<b>ou.</b> 0 <del>4</del> /01/2	.010 - 00/30	5/2010		Outia	<b>1.</b> 001 - Di	scharge to	unnamed 3	sileani (wei	ianu)	VCI 51011
Monitoring	Turbidity (NTU) Measured NTU Quarterly Grab		0ii & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	NF200		Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab		Alpha-terpineol (3. Cyclohexene-1-methanol ., alpha .,alpha .,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	ຫັ≣ ອີ ອັ	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
Week Point	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1
Limit Set	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit		ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit		ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
2-T <b>4/5/16</b>	3.42	7.75	Yes*	13.2	22.7	2.98	6.6	0.181	<5	<50	<10
Minimum		7.75 BM: >= 5.0 (RO)									
Average	3.42 BM: <= 25			13.2 BM: <= 14	22.7 BM: <= 117						
Maximum		7.75 BM: <= 9.0 (RO)									
						2.98	6.6	0.181	<5	<50	<10
Month 1 Average						<= 37	<= ') /	<= 4 Q	<= 16	<= 71	c = 14
Month 1 Average Month 2 Average						<= 37 M <= 37	<= 27 M <= 27	<= 4.9 M <= 4.9	<= 16 M <= 16	<= 71 M <= 71	<= 14 M <= 14

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

#### Outfall: GS1 - Discharge to unnamed stream (wetland)

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
GS1	Oil & Grease Not Applicable Yes/No	4/5/2016	Yes	Presence of oil sheen attributed to truck rollover acciden that released fuel into Stormwater ditch in January 2016 Spill was immediately cleaned up to the maximum exten practicable (Ecology staff onsite during cleanup). Sampling results indicate that residual amounts of petroleum remain, likely bound to sediment and/or vegetation near sampling location. The quantity of residual petroleum remaining is small and it is unlikely that additional cleanup measures would remove a meaningful quantity. In May 2016, Ecology concurred that the operational end point for the cleanup had been reached. Natural attenuation is the preferred method of managing residual impacts in this situation.

Week	Monitoring Point	Phenol Micrograms/L (ug/L) 9 Quarterly 1 Grab	Zinc Total Micrograms/L (ug/L) Grab	PH Standard Units 150 Grab Stanterly
		ISGP Non- Haz Waste Landfill (40CFR part		Haz Waste Landfill (40CFR part
	imit Sot	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015
	imit Set 4/5/16	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart
<b>L</b> 2-T		Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75
2-T		Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75
2-T	4/5/16	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75
2-T M	4/5/16	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75
2-T M	4/5/16 inimum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75 >= 6.0 (RO)
2-T M	4/5/16 inimum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75 >= 6.0 (RO) 
2-T M	4/5/16 inimum werage	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75 >= 6.0 (RO)
2-T M A M	4/5/16 inimum verage aximum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75 >= 6.0 (RO) 
2-T M A M	4/5/16 inimum werage	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 22.7	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75 >= 6.0 (RO) 
2-T M A Montl	4/5/16 inimum verage aximum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 22.7	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75 >= 6.0 (RO) 
2-T M A Montl	4/5/16 inimum iverage aximum h 1 Average	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 22.7	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.75 7.75 >= 6.0 (RO) 

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Month 3 Average

<= 15

<= 110

Per		hington S	-	artment o	f Ecology		<b>harge N</b> e: CEDAR I			ort (DMR	2)	Page: 3
Fac	cility Coun	<b>ity:</b> King		I	Receiving	Waterbody	y: Unnamed	d stream				
onit	oring Peri	od:04/01/2	016 - 06/3	0/2016		Outfal	II: N4 - Disc	harge to u	nnamed str	eam (McDo	onald	Version
				1			Cr)			0	1	<b>I</b> ]
		Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	0il & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total B0D5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol ., alpha ,,alpha ,,trimethy Micrograms/L (ug/L) Quarterly Grab	Benzaic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Grab Grab
Neek	Monitoring Point	N4	N4	N4	N4	N4	N4	N4	N4	N4	N4	N4
	imit Set	- 2015 Permit	- 2015 Permit	- 2015 Permit	- 2015 Permit	- 2015 Permit	445 subpart B)- 2015 permit	445 subpart B)- 2015 permit	445 subpart B)- 2015 permit	445 subpart B)- 2015 permit	B)- 2015 permit	445 subpart B)- 2015 permit
-T	4/5/16	1.37	8.13	No	8.38	14.8	<2	3	<0.01	<5	<50	<10
м	inimum		8.13 BM: >= 5.0									
			(RO)									
A	verage	1.37			8.38	14.8						
	-	BM: <= 25			BM: <= 14	BM: <= 117						
м	aximum		8.13									
	aximum		BM: <= 9.0 (RO)									
Mont							<2	3	<0.01	<5	<50	<10
MONT	h 1 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Mont	h 2 Average						М	М	М	М	М	М
	Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Mont	Average						М	М	М	М	М	М
MONT	h 3 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

Week	Monitoring Point	Phenol Micrograms/L (ug/L) R Guarterly Grab	Zinc Total Kicrograms/L (ug/L) Grab	PH Standard Units R Guarterly Grab
		ISGP Non-	ISGP Non- Haz Waste	ISGP Non- Haz Waste
Li	imit Set	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015	Landfill (40CFR part 445 subpart B)- 2015
<b>L</b> i 2-T	imit Set 4/5/16	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart
2-T	4/5/16	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
2-T		Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13
2-T M	4/5/16	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 8.13
2-T M	4/5/16 inimum verage	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 8.13
2-T M	4/5/16 inimum	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 8.13 >= 6.0 (RO)
2-T M A	4/5/16 inimum verage aximum	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 14.8	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 >= 6.0 (RO) 
2-T M A	4/5/16 inimum verage	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 14.8	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 >= 6.0 (RO) 
2-T M A Ma	4/5/16 inimum verage aximum	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 14.8 	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 >= 6.0 (RO) 
2-T M A Ma	4/5/16 inimum verage aximum n 1 Average	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 14.8 	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 >= 6.0 (RO) 
2-T M A Monti	4/5/16 inimum verage aximum n 1 Average	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 14.8 	Landfill (40CFR part 445 subpart B)- 2015 permit 8.13 >= 6.0 (RO) 

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Pe	rmit Numb	per: WAR00	00756			Permittee	: CEDAR I	HILLS LAN	DFILL			
Fa	cility Cour	nty: King			Receiving	Waterbody	: Unname	d stream				
Monit	oring Peri	od:04/01/2	2016 - 06/3	0/2016		Outfal	I: SL3 - Dis	scharge to u	unnamed s	tream (ditch	ר)	Versio
		Turbidity (NTU) Measured NTU Grab Grab	pH Standard Units Quarterly Grab	0il & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Micrograms/L (ug/L) Grab	Total B0D5 Total Milligrams/L (mg/L) Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	A Ipha-terpineol (3-Cyclohexene-1-methanol ., alpha .,alpha ,,trimethyl. Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p.Cresol (4-methylphenol) Micrograms/L (ug/L) 1 Quarterly Grab
	Monitoring	2	<u>ే చిత</u> ేత SL3	SL3	ថ្ម≣ថថ SL3	ត់ខ្លាត់ចំ SL3	<u> ខ្ពុំដូនថ</u> SL3	នុះ ដាំដាំដាំ SL3	SL3	₹ # 0 0 SL3	mຶ≣ອີອັ SL3	<u>កំ</u> គេចំចំ SL3
Week	Point	5L3	513	513	513	513	ISGP Non-	ISGP Non-	ISGP Non-	ISGP Non-	ISGP Non-	SL3 ISGP Non-
L	imit Set	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	Haz Waste Landfill (40CFR part	Haz Waste Landfill (40CFR part	Haz Waste Landfill (40CFR part	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part	Haz Waste Landfill (40CFR par
2-T	4/5/16	1.33	7.41	No	2.62	8.93	<2	<1	<0.01	<5	<50	<10
N	linimum		7.41									
			BM: >= 5.0									
		1 33	BM: >= 5.0 (RO)		2.62	8 03						
Å	Average	1.33 BM: <= 25			2.62	8.93 BM <sup>:</sup> <= 117						
ļ		1.33 BM: <= 25	(RO)		2.62 BM: <= 14	8.93 BM: <= 117						
	Average		(RO) 7.41									
M	Average		(RO) 7.41 BM: <= 9.0				<2	<1	<0.01	<5	<50	<10
M	Average		(RO) 7.41 BM: <= 9.0				<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Mont	Average		(RO) 7.41 BM: <= 9.0				<= 37 M	<= 27 M	<= 4.9 M	<= 16 M	<= 71 M	<= 14 M
Mont	Average aximum h 1 Average		(RO) 7.41 BM: <= 9.0				<= 37 M <= 37	<= 27 M <= 27	<= 4.9 M <= 4.9	<= 16 M <= 16	<= 71 M <= 71	<= 14 M <= 14
M Mont Mont	Average aximum h 1 Average		(RO) 7.41 BM: <= 9.0				<= 37 M	<= 27 M	<= 4.9 M	<= 16 M	<= 71 M	<= 14 M

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 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.

Pamela Badger

Signature

8/3/2016 2:28:00 PM

Date

# Washington State Department of Ecology Discharge Monitoring Report (DMR)

## Permittee: CEDAR HILLS | ANDEILL

Page: 5 of 6

1

Week	Monitoring Point	Phenol Ricrograms/L (ug/L) RIS Quarterly Grab	Zind Total ESB Sicrograms/L (ug/L) Auarterly Grab	PH Standard Units Crab Grab Haz Maste	
L	imit Set	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	
2-T	4/5/16	<4	8.93	7.41	
м	inimum			7.41 >= 6.0 (RO)	
А	verage				
M	aximum			7.41 <= 9.0 (RO)	
Montl	h 1 Average	<4 <= 15	8.93 <= 110		
Montl	h 2 Average	M <= 15	M <= 110		

Μ

<= 15

Month 3 Average

Μ

<= 110

# Washington Department of Ecology Submission Cover Letter

# WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1558488 -10/27/2016 12:14:41 PM

### **Report Received Dated:**

### 10/27/2016 12:14:41 PM

Company Name	Signer Name	System Name
King County Solid Waste Division	Pamela Badger	WQWebPortal

#### Attachments:

Document Name of Description	Document File Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Thursday October 27 2016

## Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only ---Dev



pcer3OqlO0HeftHo9GRP9Sey0MAXz1/Xx/bLTsqGmgGhJh/sZZx9UM22t4At3GFj6zpCo/P6pvGWy58m5 B8bANzGPWd7VeX894DNDDLa1fg=

Close



Help FAQs

# Discharge Monitoring Reports WQWebDMR

# **DMR Validation Messages**

### Your DMR has been validated.

There were no error, violation, or warning messages generated during the validation process. You may now submit your DMR.

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# Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permittee: CEDAR HILLS LANDFILL

Permit Number: WAR000756 Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 07/01/2016 - 09/30/2016

Outfall: GS1 - Discharge to unnamed stream (wetland)

Version: 1

										``	,	
Week	Monitoring Point	Turbidity (NTU) Measured NTU Grab Grab	pH Standard Units Quarterly Grab	0ii & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Wicrograms/L (ug/L) Grab	Total B0D5 Total Willigrams/L (mg/L) Grab	Solids (Residue) Total suspended (TSS) Willigrams/L (mg/L) Grab	Ammonia Total Willigrams/L (mg/L) Grab	Alpha-terpineol (3-Cyclohexene-1-methanol ., alpha , alpha , frimethyl-) Wicrograms/L (ug/L) Grab	Benzolc Acid Wicrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Grab
		- 2015	- 2015	- 2015	ISGP Western WA - 2015	- 2015	B)- 2015	B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	B)- 2015	445 subpart B)- 2015	B)- 2015
 3-T	imit Set 7/12/16	Permit 18.2	Permit 6.72	Permit No	Permit 3.66	Permit <4	permit <2	permit 7.4	0.12	permit <5	permit <50	permit <10
5-1		10.2			0.00	T	~~	7.7	0.12	~~	~00	
N	linimum		6.72 BM: >= 5.0 (RO)									
4	Average	18.2 BM: <= 25			3.66 BM: <= 14	<4 BM: <= 117						
			6.72									
м	aximum		BM: <= 9.0 (RO)									
Mont	h 1 Average						<2 <= 37	7.4 <= 27	0.12 <= 4.9	<5 <= 16	<50 <= 71	<10 <= 14
							<2	7.4	0.12	<5	<50	<10
Mont	h 2 Average						<= 37	<= 27	<= 4.9	<5 <= 16	<= 71	<= 14
Mont	h 3 Average						<2	7.4	0.12	<5	<50	<10
worit	n 5 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

Week	Monitoring Point	Phenol Micrograms/L (ug/L) Grab Grab	E SInc Total ISB Micrograms/L (ug/L) Guarterly Grab	PH Standard Units Grab Grab
				Haz Waste
	imit Cat	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Landfill (40CFR part 445 subpart B)- 2015
	imit Set 7/12/16	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
<b>L</b> 3-T	imit Set 7/12/16	Landfill (40CFR part 445 subpart B)- 2015	Landfill (40CFR part 445 subpart B)- 2015	Landfill (40CFR part 445 subpart B)- 2015 permit 6.72
3-T		Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
3-T M	7/12/16	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.72 6.72
3-T M	7/12/16 linimum	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.72 6.72 >= 6.0 (RO) 6.72
3-T M	7/12/16 linimum werage	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.72 6.72 >= 6.0 (RO)
3-T M A M	7/12/16 linimum werage	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit 6.72 6.72 >= 6.0 (RO) 6.72
3-T M M Monti	7/12/16 linimum werage aximum	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit <4 	Landfill (40CFR part 445 subpart B)- 2015 permit 6.72 6.72 >= 6.0 (RO) 6.72
3-T M M Montil	7/12/16 linimum lverage aximum h 1 Average	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit <4	Landfill (40CFR part 445 subpart B)- 2015 permit 6.72 6.72 >= 6.0 (RO) 6.72

	— mit Numb	er: WAR00	-	artment c		Permittee	e: CEDAR	HILLS LAN	n <b>g Repo</b> DFILL	ort (DMR	<b>(</b> )	Page: 3
	ility Coun pring Peri	<b>ity:</b> King <b>od:</b> 07/01/2	2016 - 09/3		Receiving		<b>y:</b> Unname II: N4 - Disc		nnamed str	eam (McDo	onald	Version
		1		1			Cr)		1	· ·	1	<b>I</b> 1
	Monitoring	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	0il & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total B0D5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammoria Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol ., alpha , alpha , frimethy Nicrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
Neek		- 2015	- 2015	N4 ISGP Western WA - 2015	- 2015	- 2015	445 subpart B)- 2015	445 subpart B)- 2015	N4 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	445 subpart B)- 2015	445 subpart B)- 2015	445 subpart B)- 2015
Lir	nit Set	Permit	Permit	Permit	Permit	Permit	permit	permit	permit	permit	permit	permit
Mir	nimum		BM: >= 5.0 (RO)									
Av	verage	BM: <= 25			BM: <= 14	BM: <= 117						
Ma	ximum		BM: <= 9.0 (RO)									
Month	1 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month	2 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
	3 Average											

Reporting Codes Used: B  $\,$  - Below Detection Limit/No Detection, C  $\,$  - No Discharge

## Outfall: N4 - Discharge to unnamed stream (McDonald Cr)

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
N4	All Parameters		С	No discharge

		Phenol Nicrograms/L (ug/L) Quarterly Srab	Zinc Total Micrograms/L (ug/L) Grab	oH Standard Units Quarterly Srab
Week	Monitoring Point	N4	NF 200	N4
HCCK	Font		1144	114
	imit Set	ISGP Non- Haz Waste Landfill	ISGP Non- Haz Waste Landfill	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
L	imit Set	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015
L		ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015
L	imit Set	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
L M	imit Set	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
L M M	imit Set inimum werage	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit >= 6.0 (RO)
L M M Monti	imit Set inimum iverage aximum	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit >= 6.0 (RO)
L M A M Monti	imit Set inimum werage aximum h 1 Average	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit >= 6.0 (RO)

					3,		-				/	-
		per: WAR00	0756				CEDAR I		DFILL			
	cility Cour				Receiving							
Monit	toring Peri	od:07/01/2	2016 - 09/3	0/2016	i	Outfal	I: SL3 - Dis	charge to u	unnamed st	tream (ditch	ו) ו	Version:
		Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	0ii & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Grab	Zinc Total Wicrograms/L (ug/L) Grab	Total B0D5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue ) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol ., alpha .,alpha ,,trimethyl- Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
Week	Monitoring Point	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
		- 2015	- 2015	- 2015	ISGP Western WA - 2015	- 2015	445 subpart B)- 2015	445 subpart B)- 2015	445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	445 subpart B)- 2015	445 subpart B)- 2015
	imit Set	Permit	Permit	Permit	Permit	Permit						permit
3-T	7/12/16	2.22	6 0 1	No	2.05		permit	permit	permit	permit	permit	
			6.91	No	3.05	6.03	<2	<1	<0.01	<5	<50	<10
M	linimum		6.91	No	3.05			•				
N	linimum			No	3.05			•				
		2.22	6.91 BM: >= 5.0	No	3.05			•				
	linimum Average		6.91 BM: >= 5.0	No		6.03		•				
4	Average	2.22	6.91 BM: >= 5.0	No	3.05	6.03 6.03		•				
4		2.22	6.91 BM: >= 5.0 (RO) 6.91 BM: <= 9.0	No	3.05	6.03 6.03		•				
4	Average	2.22	6.91 BM: >= 5.0 (RO) 6.91	No	3.05	6.03 6.03	<2	<1	<0.01	<5	<50	<10
M	Average	2.22	6.91 BM: >= 5.0 (RO) 6.91 BM: <= 9.0	No	3.05	6.03 6.03	<2	<1	<0.01	<5	<50	<10
M	Average laximum	2.22	6.91 BM: >= 5.0 (RO) 6.91 BM: <= 9.0	No	3.05	6.03 6.03	<2	<1 <1 <= 27	<0.01	<5 <5 <5 <= 16	<50 <50 <= 71	<10 <10 <= 14
Mont	Average laximum	2.22	6.91 BM: >= 5.0 (RO) 6.91 BM: <= 9.0	No	3.05	6.03 6.03	<2 <2 <= 37 <2	<1 <1 <1 <= 27 <1	<0.01 <0.01 <= 4.9 <0.01	<5 <5 <5 <= 16 <5	<50 <50 <= 71 <50	<10 <10 <= 14 <10
Mont	Average laximum h 1 Average h 2 Average	2.22	6.91 BM: >= 5.0 (RO) 6.91 BM: <= 9.0	No	3.05	6.03 6.03	<2 <2 <= 37 <2 <= 37	<1 <1 <= 27 <1 <= 27	<0.01 <0.01 <= 4.9 <0.01 <= 4.9	<5 <5 <= 16 <5 <= 16	<50 <50 <= 71 <50 <= 71	<10 <10 <= 14
Mont	Average laximum h 1 Average	2.22	6.91 BM: >= 5.0 (RO) 6.91 BM: <= 9.0	No	3.05	6.03 6.03	<2 <2 <= 37 <2	<1 <1 <1 <= 27 <1	<0.01 <0.01 <= 4.9 <0.01	<5 <5 <5 <= 16 <5	<50 <50 <= 71 <50	<10 <10 <= 14 <10 <= 14 <= 14

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

Washington State Department of Ecology

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 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.

Pamela Badger

Signature

10/27/2016 12:14:40 PM

**Discharge Monitoring Report (DMR)** 

Page: 5 of 6

1

Date

Week	Monitoring Point	Phenol Micrograms/L (ug/L) Grab Grab	Zinc Potal © Quarterly Grab	pH Standard Units Grab Grab
		445 subpart		ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015
	imit Set	B)- 2015 permit		
3-T	imit Set 7/12/16	B)- 2015 permit <4	permit 6.03	permit 6.91
3-T	7/12/16	permit	permit	permit
3-T		permit	permit	permit 6.91
3-T M	7/12/16	permit	permit	<b>permit</b> 6.91 6.91
3-T M	7/12/16 inimum	permit	permit	<b>permit</b> 6.91 6.91
3-T M	7/12/16 inimum werage	<pre></pre>	permit 6.03	permit   6.91   6.91   >= 6.0 (RO)
3-T M A M	7/12/16 inimum werage	<pre>&gt;permit &lt;4</pre>	6.03	permit 6.91 >= 6.0 (RO) 6.91
3-T M A M	7/12/16 inimum .verage aximum	<pre>&gt;permit &lt;4 </pre>	6.03 6.03 6.03 <= 110	permit 6.91 >= 6.0 (RO) 6.91
3-T M A M Monti	7/12/16 inimum .verage aximum	<pre>&gt;permit &lt;4 </pre>	6.03 6.03 6.03 <= 110 6.03	permit 6.91 >= 6.0 (RO) 6.91
3-T M M Montil	7/12/16 inimum iverage aximum h 1 Average	<pre>&gt;permit &lt;4 </pre>	6.03 6.03 6.03 <= 110	permit 6.91 >= 6.0 (RO) 6.91

# Washington Department of Ecology Submission Cover Letter

# WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1570663 - 2/8/2017 12:53:00 PM

### **Report Received Dated:**

2/8/2017 12:53:01 PM

Company Name	Signer Name	System Name
King County Solid Waste Division	Pamela Badger	WQWebPortal

Attachments:

Document Name of Description	Document File Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Wednesday February 8 2017

## **Attestation Agreed to at Signing:**

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only ---Dev



9uB2VAxBIetfCElkmeOJmg0h9dUg20qXJpnLN+7lVu4LgIUhYSKT5suWdVI0kpMiMG +ionIitMMGbMRnVS8dRYC7GVJSNa+tnjoOMLDvAo4=



# Validation Report

# Facility: CEDAR HILLS LANDFILL - Permit: WAR000756

### Monitoring Period: 10/01/2016 to 12/31/2016

## Validation Message Type: Violation

Outfall	Monitoring Point	Parameter	Units	Sample Date/ Statistical Base	Value Entered	Limit/Benchmark	Message
GS1	GS1	Solids (Residue) Total suspended (TSS)	Milligrams/L (mg/L)	10/13/2016	117	<= 88	The reported value exceeds the permit limit.
GS1		Solids (Residue) Total suspended (TSS)	Milligrams/L (mg/L)	Month 1 Average	117	<= 27	The reported value exceeds the permit limit.
N4	N4	Zinc Total	Micrograms /L (ug/L)	Month 1 Average	111	<= 110	The reported value exceeds the permit limit.

# Validation Message Type: Warning

Outfall	Monitoring Point	Parameter	Units	Sample Date/ Statistical Base	Value Entered	Limit/Benchmark	Message
GS1		Turbidity (Nephelometric) Measured	NTU	Average	273		The reported value exceeded the benchmark. You are required to take action (See Permit Condition S8).
GS1	GS1	Copper Total	Micrograms /L (ug/L)	Average	22.2		The reported value exceeded the benchmark. You are required to take action (See Permit Condition S8).

# Washington State Department of Ecology Disch

# Discharge Monitoring Report (DMR)

Permit Number: WAR000756 Facility County: King Permittee: CEDAR HILLS LANDFILL Receiving Waterbody: Unnamed stream

Monitoring Period: 10/01/2016 - 12/31/2016

Outfall: GS1 - Discharge to unnamed stream (wetland)

Version: 1

		<b>0u</b> . 10/01/2					<b>1.</b> 001 - Di	0				
	Monitoring	Turbidity (NTU) Measured NTU Guarterly Grab		0il & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	NF200	Total B0D5 Total Milligrams/L (mg/L) Grab	Solids (Residue ) Total suspended (TSS) Milligrams/L (mg/L) Grab	Ammoria Total Milligrams/L (mg/L) Grab	Alpha-terpineol (3-Cyclohexene-1-methanol .,alpha ,alpha ,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzolc Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
Week	Point	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1
							ISGP Non- Haz Waste	ISGP Non- Haz Waste	ISGP Non-	ISGP Non-	ISGP Non-	ISGP Non-
L	imit Set	- 2015	ISGP Western WA - 2015 Permit	- 2015	- 2015	- 2015	Landfill (40CFR part 445 subpart B)- 2015	Landfill (40CFR part 445 subpart B)- 2015	B)- 2015	445 subpart B)- 2015	445 subpart B)- 2015	B)- 2015
<b>L</b> 3-Th	imit Set 10/13/16	Western WA	Western WA	Western WA	Western WA	Western WA	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart	Landfill (40CFR part 445 subpart
		Western WA - 2015 Permit	Western WA - 2015 Permit 7.98	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
3-Th		Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
3-Th M	10/13/16 linimum	Western WA - 2015 Permit	Western WA - 2015 Permit 7.98 7.98 BM: >= 5.0	Western WA - 2015 Permit	Western WA - 2015 Permit	Western WA - 2015 Permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
3-Th M	10/13/16	Western WA - 2015 Permit 273	Western WA - 2015 Permit 7.98 7.98 BM: >= 5.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2	Western WA - 2015 Permit 30.2	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
3-Th M	10/13/16 linimum	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 7.98 BM: >= 5.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
3-Th M	10/13/16 linimum	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 BM: >= 5.0 (RO) 7.98 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit	Landfill (40CFR part 445 subpart B)- 2015 permit
3-Th M	10/13/16 linimum Average	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 7.98 BM: >= 5.0 (RO) 7.98	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part 445 subpart B)- 2015 permit 4.96	Landfill (40CFR part 445 subpart B)- 2015 permit 117	Landfill (40CFR part 445 subpart B)- 2015 permit 0.089	Landfill (40CFR part 445 subpart B)- 2015 permit <5	Landfill (40CFR part 445 subpart B)- 2015 permit <50	Landfill (40CFR part 445 subpart B)- 2015 permit <10
3-Th M A Ma	10/13/16 linimum Average	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 BM: >= 5.0 (RO) 7.98 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part B)- 2015 permit 4.96	Landfill (40CFR part 445 subpart B)- 2015 permit 117	Landfill (40CFR part 445 subpart B)- 2015 permit 0.089	Landfill (40CFR part 445 subpart B)- 2015 permit <5	Landfill (40CFR part 445 subpart B)- 2015 permit <50	Landfill (40CFR part 445 subpart B)- 2015 permit <10
3-Th M A Ma	10/13/16 linimum Average aximum	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 BM: >= 5.0 (RO) 7.98 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part 445 subpart B)- 2015 permit 4.96 	Landfill (40CFR part 445 subpart B)- 2015 permit 117	Landfill (40CFR part 445 subpart B)- 2015 permit 0.089	Landfill (40CFR part 445 subpart B)- 2015 permit <5	Landfill (40CFR part 445 subpart B)- 2015 permit <50 <50 <= 71	Landfill (40CFR part 445 subpart B)- 2015 permit <10 <10 <= 14
3-Th M A Ma	10/13/16 linimum Average aximum	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 BM: >= 5.0 (RO) 7.98 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part B)- 2015 permit 4.96 	Landfill (40CFR part 445 subpart B)- 2015 permit 117 	Landfill (40CFR part 445 subpart B)- 2015 permit 0.089	Landfill (40CFR part 445 subpart B)- 2015 permit <5 	Landfill (40CFR part 445 subpart B)- 2015 permit <50 	Landfill (40CFR part 445 subpart B)- 2015 permit <10 <10 <= 14 M
3-Th M A Ma	10/13/16 linimum Average aximum h 1 Average	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 BM: >= 5.0 (RO) 7.98 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part B)- 2015 permit 4.96 4.96 4.96 <= 37 M <= 37	Landfill (40CFR part B)- 2015 permit 117 	Landfill (40CFR part 445 subpart B)- 2015 permit 0.089 0.089 0.089 0.089 <= 4.9 M <= 4.9	Landfill (40CFR part 445 subpart B)- 2015 permit <5 <5 <= 16 M <= 16	Landfill (40CFR part 445 subpart B)- 2015 permit <50 <50 <= 71 M <= 71	Landfill (40CFR part 445 subpart B)- 2015 permit <10 <10 <= 14 M <= 14
3-Th M A Monti Monti	10/13/16 linimum Average aximum h 1 Average	Western WA - 2015 Permit 273 273	Western WA - 2015 Permit 7.98 BM: >= 5.0 (RO) 7.98 BM: <= 9.0	Western WA - 2015 Permit	Western WA - 2015 Permit 22.2 22.2	Western WA - 2015 Permit 30.2 30.2	Landfill (40CFR part B)- 2015 permit 4.96 	Landfill (40CFR part 445 subpart B)- 2015 permit 117 	Landfill (40CFR part 445 subpart B)- 2015 permit 0.089	Landfill (40CFR part 445 subpart B)- 2015 permit <5 	Landfill (40CFR part 445 subpart B)- 2015 permit <50 	Landfill (40CFR part 445 subpart B)- 2015 permit <10 <10 <= 14 M

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

### **Overall DMR Notes/Comment**

Industrial stormwater at the Cedar Hills Regional Landfill is managed by King County (KC) under the ISGP (permit no. WAR000756). In addition, a portion of the landfill is currently under construction. CSGP No. WAR303859 is issued to the private contractor responsible for managing construction stormwater. The construction area is upstream of ISGP monitoring locations at the landfill, thus construction discharges affect ISGP compliance. In 4Q16, industrial stormwater was effectively managed at the landfill, however, rain events overwhelmed TESC BMPs within the construction area. Sediment-laden water discharged from the construction area and flowed to KC's ISGP monitoring locations, resulting in benchmark and effluent limit exceedances. At the time this DMR was submitted, the private contractor's DMR for October 2016 showed no discharge during that month. This is inconsistent with KC observations and KC is working with the private contractor to resolve the issue.

		Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
Week	Monitoring Point	GS1	GS1 ISGP Non-	GS1 ISGP Non-
	imit Cat	445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015	Haz Waste Landfill (40CFR part 445 subpart B)- 2015
<u>L</u> 3-Th	imit Set	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart	Haz Waste Landfill (40CFR part 445 subpart
3-Th		Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
3-Th M	10/13/16	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.98 7.98
3-Th M	10/13/16 linimum	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.98 7.98
3-Th M A M	10/13/16 linimum werage	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 7.98 7.98 >= 6.0 (RO) 

Μ

<= 15 M

<= 15

Month 2 Average

Month 3 Average

Μ

<= 110

Μ

<= 110

Fac	mit Numb ility Coun	er: WAR00 hty: King				Permittee Waterbody	e: CEDAR I y: Unname	HILLS LAN d stream		-	-	Page: 3 Version:
			-010 12/0	1/2010		, Oution	Cr)					
	Monitoring	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Dil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micro Quar Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol ., alpha .,alpha ,,trimethyl- Micrograms/L (ug/L) Quarterly Grab	Benzolc Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quanterly Grab
Neek	Point	N4 ISGP Western WA - 2015	N4 ISGP Western WA - 2015	N4 ISGP Western WA - 2015	N4 ISGP Western WA - 2015	N4 ISGP Western WA - 2015			N4 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015			
Li	mit Set	Permit	Permit	Permit	Permit	Permit	permit	permit	permit	permit	permit	permit
F	10/14/16	9.91	8.91	No	3.67	111	2.17	1.8	0.038	<5	<50	<10
			8.91									
IVI	inimum		BM: >= 5.0 (RO)									
		9.91			3.67	111						
A	verage	BM: <= 25			BM: <= 14	BM: <= 117						
			8.91									
Ma	aximum		BM: <= 9.0 (RO)									
							2.17	1.8	0.038	<5	<50	<10
lont	1 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
							M	M	M	M	M	M
lont	2 Average						<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
				-		1		1	l	<u> </u>	<u> </u>	
	3 Average						M	M	М	M	M	М

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

#### **Overall DMR Notes/Comment**

Industrial stormwater at the Cedar Hills Regional Landfill is managed by King County (KC) under the ISGP (permit no. WAR000756). In addition, a portion of the landfill is currently under construction. CSGP No. WAR303859 is issued to the private contractor responsible for managing construction stormwater. The construction area is upstream of ISGP monitoring locations at the landfill, thus construction discharges affect ISGP compliance. In 4Q16, industrial stormwater was effectively managed at the landfill, however, rain events overwhelmed TESC BMPs within the construction area. Sediment-laden water discharged from the construction area and flowed to KC's ISGP monitoring locations, resulting in benchmark and effluent limit exceedances. At the time this DMR was submitted, the private contractor's DMR for October 2016 showed no discharge during that month. This is inconsistent with KC observations and KC is working with the private contractor to resolve the issue.

Week	Monitoring Point	Phenol Micrograms/L (ug/L) A Quarterly Grab	Zinc Total Ricrograms/L (ug/L) Quarterly Grab	pH Standard Units Grab
		ISGP Non- Haz Waste Landfill	ISGP Non- Haz Waste Landfill (40CFR part	ISGP Non- Haz Waste Landfill (40CFR part
Li	imit Set	(40CFR part 445 subpart B)- 2015 permit	445 subpart B)- 2015 permit	445 subpart B)- 2015 permit
<b>L</b> i 3-F	imit Set 10/14/16	445 subpart	445 subpart B)- 2015 permit 111	
3-F	10/14/16	445 subpart B)- 2015 permit	B)- 2015 permit	B)- 2015 permit
3-F		445 subpart B)- 2015 permit	B)- 2015 permit	B)- 2015 permit 8.91
3-F M	10/14/16	445 subpart B)- 2015 permit	B)- 2015 permit	B)- 2015 permit 8.91 8.91
3-F M A	10/14/16 inimum verage	445 subpart B)- 2015 permit	B)- 2015 permit	B)- 2015 permit 8.91 8.91
3-F M A	10/14/16 inimum	445 subpart B)- 2015 permit	B)- 2015 permit	B)- 2015 permit 8.91 >= 6.0 (RO)
3-F M A	10/14/16 inimum verage	445 subpart B)- 2015 permit <4	B)- 2015 permit 111	B)- 2015 permit 8.91 >= 6.0 (RO) 
3-F M A	10/14/16 inimum verage aximum	445 subpart B)- 2015 permit <4	B)- 2015 permit 111 	B)- 2015 permit 8.91 >= 6.0 (RO) 
3-F M A Ma	10/14/16 inimum verage aximum	445 subpart B)- 2015 permit <4 <4 <= 15 M	B)- 2015 permit 111 111 111 111 <= 110 M	B)- 2015 permit 8.91 >= 6.0 (RO) 
3-F M A Ma	10/14/16 inimum verage aximum n 1 Average	445 subpart B)- 2015 permit <4	B)- 2015 permit 111 111 	B)- 2015 permit 8.91 >= 6.0 (RO) 
3-F M A Monti	10/14/16 inimum verage aximum n 1 Average	445 subpart B)- 2015 permit <4 <4 <= 15 M	B)- 2015 permit 111 111 111 111 <= 110 M	B)- 2015 permit 8.91 >= 6.0 (RO) 

3

Washington State Department of Ecology	Discharge Monitoring Report (DMR)
Permit Number: W/AR000756	Permittee: CEDAR HILLS LANDEILL

Permit Number: WAR000756 Facility County: King

#### Permittee: CEDAR HILLS LANDFILL Receiving Waterbody: Unnamed stream

Monitoring Period: 10/01/2016 - 12/31/2016

Outfall: SL3 - Discharge to unnamed stream (ditch)

Version: 1

Page: 5 of 6

		Turbidity (NTU) Measured NTU Grab	pH Standard Units Quarterly Grab	0il & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Wicrograms/L (ug/L) Quarterly Grab	Total B0D5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Willigrams/L (mg/L) Grab	Alpha-terpineol (3-Cyclohexene-1-methanolalpha .,alpha .,trimethyl-) Micrograms/L (ug/L) Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p.Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
Week	Monitoring Point	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
	.imit Set	ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Western WA - 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015	ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015
		Permit			Permit			nermit	permit	nermit	nermit	nermit
	1	Permit 2.23	Permit	Permit No	Permit 4.27	Permit	permit	permit <1	permit 0.011	permit <5	permit <50	permit <10
11-M	10/13/16 12/5/16	Permit 2.23 15.3		Permit	Permit 4.27 M			permit	permit 0.011 M	permit <5 M	permit <50 M	permit <10 M
11-M	10/13/16	2.23	Permit 8.21	Permit No	4.27	Permit 5.95	permit <2	permit <1	0.011	<5	<50	<10
11-M N	10/13/16 12/5/16	2.23	Permit 8.21 M 8.21 BM: >= 5.0	Permit No	4.27	Permit 5.95	permit <2	permit <1	0.011	<5	<50	<10
11-M M	10/13/16 12/5/16 1inimum	2.23 15.3 8.765	Permit 8.21 M 8.21 BM: >= 5.0 (RO) 8.21 BM: <= 9.0	Permit No	4.27 M 4.27	Permit 5.95 M 5.95	permit <2	permit <1	0.011	<5	<50	<10
11-M M	10/13/16 12/5/16 finimum Average	2.23 15.3 8.765	Permit 8.21 M 8.21 BM: >= 5.0 (RO) 8.21	Permit No	4.27 M 4.27	Permit 5.95 M 5.95	permit <2	permit <1	0.011	<5	<50	<10
11-M M M Mont	10/13/16 12/5/16 Average	2.23 15.3 8.765	Permit 8.21 M 8.21 BM: >= 5.0 (RO) 8.21 BM: <= 9.0	Permit No	4.27 M 4.27	Permit 5.95 M 5.95	<pre>&gt;permit &lt;2 M</pre>	permit   <1	0.011 M 0.011	<5 M 	<50 M <50	<10 M

Overall DMR Notes/Comment

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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 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.

		ierool ierograms/L (ug/L) uarterly rab	nc tal crograms/L (ug/L) anterly ab	d Units y
	Monitorina	0.00	DO N 12	pH Standare Quarterl Grab
Week	Monitoring Point	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	SL3 ISGP Non- Haz Waste Landfill	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
	Point imit Set 10/13/16	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 5.95	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 8.21
L	Point imit Set	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
L 3-Th 11-M	Point imit Set 10/13/16 12/5/16	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 5.95	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 8.21
L 3-Th 11-M	Point imit Set 10/13/16	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 5.95	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 8.21 M
L 3-Th 11-M	Point imit Set 10/13/16 12/5/16	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 5.95	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 8.21 M 8.21
L 3-Th 11-M M	Point imit Set 10/13/16 12/5/16 inimum	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit <4	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 5.95	SL3 ISGP Non- Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit 8.21 M 8.21

<4

<= 15

Μ

<= 15

Μ

<= 15

Month 1 Average

Month 2 Average

Month 3 Average

5.95

<= 110

Μ

<= 110 M

<= 110