Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit



National Pollutant Discharge Elimination System Permit Industrial Stormwater Discharge General Permit

Instructions: This report must be completed for each quarter and submitted by the 15th of February, May, August and November to the appropriate DEQ regional or agent office. The report must contain the results of all stormwater monitoring conducted during each quarter, and variance requests are due semi-annually, in February and August. Sample for the pollutants at monitoring location(s) specified in your SWPCP and use the monitoring location(s) number from your SWPCP. You must include the laboratory results, including minimum detection level, Quality Assurance/Quality Control and analytical methods for the parameters analyzed. You must also submit pH field notes and chain of custody.

methods for the p	parameters analyzed. You must al	so submit pH field	notes and chain of	f custody.
Facility Infor	mation			
Legal name:	Coffin Butte Landfill		DEQ File No:	104176
Common name:	Coffin Butte Landfill		EPA#:	ORR501175
Facility address	: 28972 Coffin Butte Rd.	· ·	Reporting Quarter:	☐ 1st ☐ 2nd ☑ 3rd ☐ 4th
Facility City, Zip	: Corvallis, 97330		Reporting Year:	2019 to 2020
•	☐ Columbia Slough ☐ Columbia River	Portland Harbor	☑ Regional	Administrated by: DEQ Clean Water Services City of Portland City of Eugene
Primar Monitoring I	·	ary SIC Code: <u>N/A</u>		
Number of discha		Nur	mber of monitoring	location(s): 2
Monitoring \\ 10/9/2018 12/9/2019	Naiver(s) If yes list date on DE	Q or Agent approv	al letter.	- - - - - -
☑ Original Signa	iture 🔃 Laboratory Reports	☑ Chain of Custody	☑ QA/QC for	
system designed person or person to the best of my	nally of law that this document and all to assure that qualified personnel pro s who manage the system, or those p	perly gather and eval ersons directly respon and complete. I am a	luate the information nsible for gathering to ware that there are s	ection or supervision in accordance with a submitted. Based on my inquiry of the he information, the information submitted is, significant penalties for submitting false 2.22(d)).
Signature: Printed Name:	Shawn Edmonds Legally Authorized Represe			S / 1 / 20 General Manager sedmonds@republicservices.com
		WESTERN:	regio Telephone : Nimental qualit	(541) 286-8749



Department of Environmental

Quality

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

For official use only:

Legal Name: Coffin Butte Landfill

DEQ File No: 104176

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the parar	neters analyz	ed. You	must also รเ	ıbmit pH fie	ld notes and	chain of cu	ıstody.		
		•		Reç	gional Ber	nchmarks	6		
Monitoring Location(s)	Sample Date	рН	Total Suspended Solids	Total Oil & Grease	Total Copper	Total Lead	Total Zinc	E. coli *	* E. coli is only required for landfills and sewage treatment plants.
Mo		s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	counts/ 100 ml	
001	Jul-Sep 2019	W	erija Westija .	gain Waga	No Discharge	: W	syst Wate	No Discharge	
001	12/07/19	W	- 125 W 1944	W	0.007	West	W 1, 11	NS	
001	12/16/19	418080000	V51818181	14. 11. 1. 1.	NS NS			206	
001	12/21/19	49. W 418.	ang Wangs	8 W = 8.77	Marie Walter	W	W	NS	
001	12/30/19	aşsa.		ayaa s kanaga		See Settle	18/9/88/9/8	88 88	
001	01/28/20	W	arya W ilaya	4.44% W 444%	gradi W yrau	gara W Nga	sasa Wana)	1299	
Geometr	ic Mean		W	d W ≡	- W	W	W	287	
001	03/14/20	W	W	W	0.0085	24.2 W 24.4	DEV Warn	123	
						egele Nevers Hertiglike	Aspinson Signisi		
						ninhpilihana manaka			
					The training of the first training of the fi			And the state of t	
Geometr	ic Mean		W	W.	0.009	: W	W	123	
002	Jul-Sep 2019		, W .	W .	W ₁	W	W	No Discharge	
002	12/07/19	W.	www.Www.	garan W alawaya	esta Wigness	. 5-1 to W 1.21.21	21 W 22 2	NS	
002	12/16/19	MENNEN					<i>ilania</i>	4	
002	12/21/19	W	W	was Wala	www.	W	W	NS	
002	12/30/19		-defelleten		egseptificaspe		NAME OF STREET	64	
002	01/28/20	W	W	W	W	W	W	2419	
Geometr	ic Mean		- With	W	₩	W W	W	85	
002	03/14/20	W	dayay W axay daagaaaa	W	W	W sala	W	12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	
							engski is ingly Dengski istopa		
	Characteristics and property and the control of the		Appropriate Control Control						
Geometr	ic Mean		W	W	W	W	W	12	
	gional chmarks	5.5-9.0	100	10	0.020	0.015	0.12	406	



Oregon Department of Environmental Quality Stormwater Program

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DEQ File No: 104176

Department of Environmental Quality

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			-	: Pollutants an nent letter for i				s)	
Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic. Total Recoverable	BOD₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
Mou		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2019				No Discharge				
001	12/09/19				ND (2.0)				Walley Bridge
001	12/21/19				ND (2.0)				dissiblifiation.
001	01/28/20				ND (2.0)				
001	03/14/20				ND (2.0)				
Geometi	ric Mean				1				
002	Jul-Sep 2019				No Discharge			Production of the control of the con	
002	12/09/19				ND (2.0)			MARKATAN PARAMETERS	
002	12/21/19				ND (2.0)				
002	01/28/20		Vigila šigiji		7.3		Charling !		
002	03/14/20	450000000000000000000000000000000000000			ND (2.0)			Antendalishi	
							Visitalitati.		
Geometi	ric Mean				2				
		tana oku jasahiniga	den bigin						
							Virgini (Sept.)		
								Vallation	AND THE RESERVE
Geomet	ric Mean								
<u> Ccomoti</u>	lie weem								
		(40)11/4/30/14/39							
	Amaria								Antiblian in
						Valle (New York)			
Geometr	ric Mean								
Control			COLUMN STEWNS STEERING STEERING						
Impair	rment Ref.	0.003	1.0	0.34	30	See Letter	0.0024	0.000083	See Letter

Concentration



Environmental

Oregon Department of Environmental Quality Stormwater Program

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Federal Numeric Effluent Guidelines (twice per year, unless exceedance occurs)

Refer to the permit assignment letter for effluent limit sampling requirements Total Total storage Monitoring _ocation(s) Total Oil & Ammonia 뼔 Suspended На Suspended nН airfield pavement deicing material storage piles at cement Grease piles at Steam Electric as Nitrogen asph Sample Date emulsion facilities Generating Facilities Solids Solids Runoff containing urea င္ပေခ mq/L mg/L s.u. mg/L s.u. mg/L from Discharges from manufacturing scharges from Discharges ۵ 23.0 15.0 6.0-9.0 50 6.0-9.0 14.7 Total Monitoring Location(s) Alpha BOD₅ Suspended Ammonia Benzoic Acid p-Cresol Phenol Zinc, Total рН nonlandfill Terpineol Sample Date Solids from mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L s.u. hazardous waste 001 Jul-Sep 2019 No Discharg No Discharg No Dischargelo Discharglo Discharglo Discharg No Dischard lo Dischard lo Dischard Discharges 12/07/19 NS ND (5.6) ND (0.025) ND (10) ND (60) ND (0.02) 7.93 ND (10) ND (10) 001 12/09/19 ND (2.0) 001 03/14/20 ND (2.0) 8 ND (0.10) ND (9.8) ND (59) ND (9.8) ND (9.8) 0.0055 7.42 001 88 0.033 0.026 Limit 140 10 0.12 0.025 0.20 6.0-9.0 Total Monitoring Location(s) Naphth-Alpha BOD₅ Suspended Ammonia Aniline Benzoic Acid p-Cresol Phenoi nazardous waste Terpineol alene ischarges from Sample Date Solids andfills mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L Ξ Elmit Ele 220 88 10 0.042 0.024 0.119 0.059 0.024 0.048 _ocation(s) Arsenic, Chromium, Pyridine Zinc, Total рΗ nazardous waste Total Total Discharges from Sample Date andfills mg/L mg/L mg/L mg/L S.U. Limit 0.072 1.1 1.1 0.535 **6.0-9.0**

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

[D]E(0)

State of Oregon Department of Environmental Quality For official use only: Legal Name: DEQ File No: DEQ File No:

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Federal Numeric Effluent Guidelines (twice per year, unless exceedance occurs). Refer to the permit assignment letter for effluent limit sampling requirements. Total Discharges from coal storage Monitoring Location(s) Total Oil & Runoff containing urea from Ammonia Discharges from asphalt Suspended рΗ Suspended pН airfield pavement deicing Discharges from material storage piles at cement manufacturing facilities as Nitrogen Grease piles at Steam Electric Sample Date emulsion facilities Facilities Solids Solids mg/L mg/L s.u. mg/L s.u. mg/L Generating 14.7 Limit 23.0 15.0 6.0-9.0 50 6.0-9.0 Total _ocation(s) hazardous waste landfills Monitoring Alpha BOD₅ Benzoic Acid p-Cresol Phenol Zinc, Total Ηд Suspended Ammonia Discharges from non-Terpineol Sample Date Solids mg/L mg/L mg/L mg/L mg/L mg/L mg/L s.u. mg/L No Dischargelo Discharg No DischargNo DischargNo DischargNo DischargNo Discharg Jul-Sep 2019 No Discharg No Discharg 002 ND (9.6) 12/07/19 NS 14.0 ND (0.18) ND (9.6) ND (58) ND (9.6) 0.008 7.6 002 12/09/19 ND (2.0) 002 ND (10) ND (10) 0.017 7.5 03/14/20 ND (2.0) 17.0 ND (0.10) ND (10) ND (61) 002 88 10 0.033 0.12 0.025 0.026 0.20 6.0-9.0 Limit 140 Total Monitoring Location(s) Alpha Naphth-BOD₅ Suspended Ammonia Aniline Benzoic Acid p-Cresol Phenol nazardous waste Terpineol alene Discharges from Sample Date Solids landfills mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L 0.042 0.024 0.119 0.059 0.024 0.048 Limit 220 88 10 Location(s) Monitoring Chromium, Arsenic, Pyridine Zinc, Total pΗ Total Total Discharges from hazardous waste Sample Date landfills mg/L mg/L mg/L mg/L s.u. 0.072 1.1 1.1 0.535 6.0-9.0 Limit

ATTACHMENT LABORATORY REPORTS



Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Denver 4955 Yarrow Street Arvada, CO 80002 Tel: (303)736-0100

Laboratory Job ID: 280-133405-1 Client Project/Site: Coffin Butte

For:

Republic Services Inc 28972 Coffin Butte Rd Corvallis, Oregon 97330

Attn: Ian Macnab

Lavielle Hanger

Authorized for release by: 2/10/2020 11:32:11 AM

Danielle Harrington, Project Manager II (303)736-0176 danielle.harrington@testamericainc.com

..... LINKS

Review your project results through

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Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-133405-1

Qualifiers

Metals	
--------	--

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.



Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
<u>n</u>	Listed under the "D" column to designate that the result is reported on a dry weight basis

Percent Recovery %R CFL Contains Free Liquid Contains No Free Liquid CNF

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample DL, RA, RE, IN

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

Minimum Detectable Activity (Radiochemistry) MDA Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) ML Not Calculated NC

Not Detected at the reporting limit (or MDL or EDL if shown) ND

Practical Quantitation Limit PQL

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL.

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)























Case Narrative

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-133405-1

Arti Barti

4











Job ID: 280-133405-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: Republic Services Inc

Project: Coffin Butte

Report Number: 280-133405-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The sample was received on 1/31/2020; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2° C.

TOTAL METALS (ICP) - Method 200.7

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-133405-1

C	ı	li	е	r	1	t	S	a	n	n	p	ı	е	I)	:	1	2	8	.2	0).	C	I	3.	0	0	1

	Lab	Sam	ple	ID:	280-	1	33	40	5-	1
--	-----	-----	-----	-----	------	---	----	----	----	---

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	10 J	15	4.2	ug/L	1	_	200.7 Rev 4.4	Total/NA

















Method Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-133405-1

200.7 Rev 4.4 Metals (ICP) EPA TAL DEN 200.7 Preparation, Total Metals EPA TAL DEN	Method Description 200.7 Rev 4.4 Metals (ICP) 200.7 Preparation, Total Metals	Protocol EPA EPA	Laboratory TAL DEN
--	---	------------------------	--------------------

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

















Sample Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-133405-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
280-133405-1	1.28,20.CB.001	Water	01/28/20 13:06	01/31/20 09:05		



















Client Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-133405-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Client Sample ID: 1.28.20.CB.001 Lab Sample ID: 280-133405-1 Date Collected: 01/28/20 13:06

Matrix: Water

Date Received: 01/31/20 09:05 Analyte Result Qualifier RL MDL. Unit Dil Fac Prepared Analyzed Copper 10 J 15 4.2 ug/L 02/05/20 13:50 02/07/20 04:54











QC Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-133405-1

Mathadi	200	7 Day	AA	Matala	(ICD)	ı
Method:	200	./ Rev	4.4 -	IAIC (919	(ICF)	,

_ Lab Sample ID: MB 280-484870/1-A	Client Sample ID: Method Blank
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 485350	Prep Batch: 484870
MB MB	

	Analyte		Qualifier		RL		/IDL			D _		epared	Analyzed	Dil Fac
L	Copper	ND			15		4.2	ug/L		C)2/05	5/20 13:50	02/07/20 04:28	1
	Lab Sample ID: LCS 280-484870/2- Matrix: Water Analysis Batch: 485350	Δ.							Clie	ent \$	San	•	Lab Control S Prep Type: To Prep Batch:	otal/NA
	•			Spike		LCS	LCS						%Rec.	
-	Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
	Copper			1000		941			ug/L		_	94	86 - 112	

QC Association Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-133405-1

Metals

Prep Batch: 484870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-133405-1	1.28.20.CB.001	Total/NA	Water	200.7	A-2002
MB 280-484870/1-A	Method Blank	 Total/NA	Water	200.7	
LCS 280-484870/2-A	Lab Control Sample	Total/NA	Water	200.7	

Analysis Batch: 485350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-133405-1	1.28.20.CB.001	Total/NA	Water	200.7 Rev 4.4	484870
MB 280-484870/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	484870
LCS 280-484870/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	484870















Lab Chronicle

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-133405-1

Lab Sample ID: 280-133405-1

Matrix: Water

Client Sample ID: 1.28.20.CB.001

Date Collected: 01/28/20 13:06 Date Received: 01/31/20 09:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	200.7			50 mL	50 mL	484870	02/05/20 13:50	AL	TAL DEN
Total/NA	Analysis	200.7 Rev 4.4		1			485350	02/07/20 04:54	LMT	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100





















Chain of Custody Record

Eurofins TestAmerica Denver 4955 Yarrow Street Arvada, CO 80002 Phone (303) 735-0100 Fax (303) 431-7171

Oliver Contractions	Sampler	(Lab Ph.)	lab Ph.	Carrier Tracking Motst.	COCNE	***************************************
Caro Confect	Врине	76.7	ngwa, banana isi		280-79764-26097.1	1
Phil Caruso	·	dani	chass. danielle hamington@testamericainc.com		Page 1 of 1	<u>1) : 100-10</u> 4-0-11
Company. Republic Services Inc			Analysis Requested	equested	Jos A:	
Astress: 28972 Coffin Butte Rd	Due Date Requested:				Cod	The second secon
City; Corvalits	TAT Requested (days):				A-MCL M-Hexa B-MsOH N-None C-2n-Acable O-Ask	80-13
State, Ztp: OR, 97336			us68			3405
Phone; 541-745-5792(Tel)	PO#				F - MeOH R - Na23 6 - Amchier S - H256 H - Aerbrite Acid 1 1750	Chai
Enai: pcaruso@republicservices.com	₩O#;		(QN 80))	S	Lites J. Di Water	n oi (
Project Køne: 1921711; Valley Landfil	28017984	***************************************	10 80		K-EDTA C-EGA	Custo
Site: Coffin Butte	SSOWIE		≠DD€1 ouadsr o ouadsr ouadsr ouadsr	000 30	Others	¥ ×
Sample Identification	Sample Date Time	Sample Matrix Type (www.ther.scools (C=comp, ownerscool) G=grab) Invites	Field Filtered Pertoins Malk 2007, *Catal Sim 2540D - Total Si Sincy - Catal Si Sincy - Catal Si S	finominA	Superioric	
	X			S	L	
1,28,20 c6.001	1/23/20 13:26	() Water		T		gang
		Water				
						·
		10007				
ant –	Poison B Unknown	Radiological	Sample Disposal (A fee may	ssed if samples are	retained longer than 1 month)	
l		and the second s	Special Instructions/QC Requirements:			
Empty Kit Relinquished by:	Date:		Time:	Melituri of Shipmant		
Robinguished by (July)	Date Mane Color	7.5% Company	Received by Contra	Z Jugara Z	2020 CAUS ETA	3
Reinquisted by:	Dankine	Сотрану	Received by 6	Date/Time		
	Date/Time.	Сапрапу	Received by:	Date/Time:	Сопиза	
Custody Seals Infact: Custody Seal No.:			Cooler Temperaturels) C and Other Remarks 3.3, CFT 0.5, 1K	1,5,1K9 43/2020		
			•		Ver. 08:04:2016	04:201e

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 280-133405-1

Login Number: 133405

List Number: 1

Creator: Awolaja, Oluwademilade A

List Source: Eurofins TestAmerica, Denver

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Republic Services Corvallis ATTEN. Phil and Ian

02/04/2020

28972 Coffin Butte Rd Corvallis, OR 97330

REPSERCOR

PO#: XXX

Collection Information

Lab Receipt Information

Date: 01/28/2020 Time: 1601 01/29/2020

Time: 1601 By: Phil 1045 MH

Lab #: Location: 20200129-028 outfall 001

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

						Analys	sis
Analyte	Method	Acc* Results	Qual	MRL	Units	Date Time	Tech
BOD	SM5210 B	ND		2.	mg/l	02/03/2020	1520 AS

ND- No Detection at @ MRL
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
MRL-"Method Reporting Limit"

* Accreditation
A- Waterlab Corporation, ORELAP 100039
The results relate only to the parameters tested or to the sample as received by
the laboratory.

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BOD Date /Time started/Tech 1/29/20 1300 AS

Approved by:

Atti 5. Ayus
Page 1 of 1



TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Republic Services Corvallis ATTEN. Phil and lan

02/04/2020

28972 Coffin Butte Rd Corvallis, OR 97330

REPSERCOR

PO#: XXX

Collection Information

Lab Receipt Information

Date: 01/28/2020

01/29/2020

Time: 1606 By: Phil

1045 MH

Lab #: Location: 20200129-029

outfall 002

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

WATERLAB Corp certifies that this report is in compliance with the requirements of NELAC. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

		Analys	sis			
Analyte	Method	Acc* Results	Qual MRL	Units	Date Time	Tech
BOD	SM5210 B	7.3	2.	mg/l	02/03/2020	1520 AS

ND- No Detection at @ MRL

SM-"Standard Methods for the Examination of Water & Wastewater",19th ed

EPA- "Methods for Chemical Analysis for Water and Wastes", USEPA

MRL-"Method Reporting Limit"

* Accreditation

A- Waterlab Corporation, ORELAP 100039

The results relate only to the parameters tested or to the sample as received by

the laboratory.

This report shall not be reproduced except in full, without the written approval of Waterlab Corporation.

BOD Date /Time started/Tech 1/29/20 1300 AS

Approved by:

Att 5. Algers
Page 1 of 1



Burlington, WA Corporate Laboratory (a) 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 + 360.757.1400

Bellingham, WA Microbiology (b) 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 350.715.1212

Portland, OR Microbiology/Chemistry (c)

Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946 Bend, OR Microbiology (e) 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425



Page 1 of 1

Data Report

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

Reference Number: 20-03046

Project: Stormwater

Report Date: 1/30/20

Date Received: 1/28/20

Approved by: spm

Authorized by:

James Alller

Sarah P Miller Lab Manager, Corvallis

Sample Date: 1/28/20 1:06 pm

Sample Description: Outfall 001 - Coffin Butte

Parameter

Lab Number: 5951

E. Coli

CAS ID#

CAS ID#

Sample Comment:

Result

1299

>2419

PQL MDL

Units

DF

Method

Lab

Analyzed Analyst Batch

Collected By: Ian Macnab Comment

Comment

1 MPN/100mL 1.0 SM9223 B.2.b/Colilert-18 1/29/20 DlertQT_200128

Sample Description: Outfall 002 - Coffin Butte

Lab Number: 5952 Parameter

E. Coli

Sample Comment:

Result PQL 1

MDL

Units DF Method MPN/100mL 1.0

SM9223 B.2.b/Colilert-18

Analyzed Analyst Batch

Collected By: Ian Macnab

DlertQT_200128

Sample Date: 1/28/20 1:31 pm

Notes:



Burlington, WA Corporate Laboratory (a) 1620 S Walnut St - Burington, WA 98233 - 800.755.9295 • 360.757.1400

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Portland, OR Microbiology/Chemistry (c) 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology* (e) 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name: System ID Number: Source Number: Multiple Sources:

Sample Type:

Sample Purpose: Investigative or Other

Sample Location: Coffin Butte

County:

Reference Number: 20-03046

Project: Stormwater

Sample Number: Outfall 001 Lab Number: 20_05951

Collect Date: 1/28/20 13:06 Date Received: 1/28/20 Report Date: 1/30/20 Sampled By: Ian Macnab

Prep Date: 1/28/20 16:35 Approved by: spm

Authorized by:

Jame Pluller

Sarah P Miller Lab Manager, Corvallis

EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
2920	Microbiology TOTAL COLIFORM	>2419	MPN/100mL	1		mdp	OR100009 d	SM9223 B.2.b/Colilert-18	01/29/20 11:40	
			50000		1					
	`					ļ				
					***************************************					1
			į		100					

NOTES; ND (Not Detected): indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

* Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.



Burlington, WA Corporate Laboratory (a) 1620 S Walnut St - Burlington, WA 98233 - 800,755.9295 • 360,757.1400 Bellingham, WA Microbiology (b) 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c) 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802 Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946 Bend, OR *Microbiology* (e) 20332 Empire 8lvd Ste 4 - Bend, OR 97701 - 541,639,8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name: System ID Number: Source Number: Multiple Sources:

Sample Type: Sample Purpose: Investigative or Other

Sample Location: Coffin Butte

County:

Reference Number: 20-03046

Project: Stormwater

Sample Number: Outfall 002 Lab Number: 20_05952 Collect Date: 1/28/20 13:31

Date Received: 1/28/20 Report Date: 1/30/20 Sampled By: Ian Macnab

Prep Date: 1/28/20 16:35 Approved by: spm

Authorized by:

Jacus Niller

Sarah P Miller Lab Manager, Corvallis

EDA#	ANALYTEC	DEGUITO	LINITO	1.00				Lab Manag	T	
EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
2920	Microbiology TOTAL COLIFORM	>2419	MPN/100mL	1		mdp	OR100009 d	SM9223 B.2.b/Colilert-18	01/29/20 11:40	
	,									
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NOTES:
ND (Not Detected): Indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

* Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.

FORM: COC 01-06-2011	Melino	RELINQUISHED BY		SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL)	SAMPLED BY:	10	9	8	7	6	,	4	မ	2 1.28.20.002 Odfall	1 1.28.20.001 0.A.II	SAMPLE ID LOCATION	1. USE ONE LINE PER SAMPLE LOCATION. 2. BE SPECIFIC IN TEST REQUESTS. 3. NEW LIST EACH METAL INDIVIDUALLY, NEW 4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION. 5. ENTER NUMBER OF CONTAINERS.		PROJECT NAME: COFFIA BUIL Sto	EMME: PCATUSO @ republicas vilos. co.	PHONE: 54/-230 -5537FAX:	ATTIN Phillaruso	CITY (BYTA US STATE: OP	ADDRESS: 28972 Coffin B	REPORT TO:	CHAIN OF CUSTODY / ANALYSIS REQUEST
	1/26/20 14:24	DATE TIME		E FAX OR EMAIL)	PHONE:			***************************************						002 6	001	TION GRAB!			Storm Wate o			P	ZIF: 4732 CI	Buth Roll M	В	/ ANALYS
	MY W	ME RECEIVED BY		*W-WATER *DW-DRINKING WATER										Ę	٤	B/ SAMPLE P. MAJRIX*	TURN AROUND TIME REQUIRED STANDARD HALF-TIME (50% SURCHARGE) QUICKEST (100% SURGHARGE) PHON EMERGENCY (PHONE CALL RE		CARD#	, 🗆 VISA 🗆 M/C	P.O.#:	PHONE	CITY:	ADDRESS:	97. :01 TIB	IS REQI
	The Residence of the Re) Nav			FAX:									1/28/2013:31	1/28/2013:06	DATE TIME	AROUND TIME REQUIRED STANDARD HALF-TIME (50% SURCHARGE) QUICKEST (100% SURCHARGE) PHONE CALL REQ. EMERGENCY (PHONE CALL REQUIRED)			. □ WE	Атти:	FAX:	STATE:	121	Republic &	
	1/75/			SW-surface water W GW-ground water S											<u>Z</u>	E. (Coli			EXPIRES 1			Zp:	7 4 6	Critat	SE COMPLETE
	try outs	DATE TIME		WW- WASTE WATER S-SOIL	EMAIL:												3	ANALY					— CHE	1	70	ALL APPLICA
CHAIN OF		<u>'</u>	Custop	OL-OIL														ANALYSIS REQUESTED	OTHER	RCRA / CERCLA	CLEAN WATER ACT	SAFE DRINKING WATER ACT	CHECK REGULATORY PROGRAM		1_030	(PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)
CUSTODY &	EVIDENCE OF COOLING SAMPLES RECEIVED INTACT	TEMP 11.3°	CUSTODY SEALS INTACT	•														ED		Ā	ÇŢ	WATER ACT	PROGRAM) (20)	ECTIONS)
CHAIN OF CUSTODY & LABELS AGREE 😾 🗌		SAMPLE TEMP 11.3°C SATISFACTORY X		YES NO N/A	■TOTAL CONTAINERS											SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT	R OF CONTAINERS			541-753-4946	Corvallis, OR 97333	Edge Corvallis	ra boantwalks .	ANALYTICAL	3	PAGE OF



Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Denver 4955 Yarrow Street Arvada, CO 80002 Tel: (303)736-0100

Laboratory Job ID: 280-134669-1 Client Project/Site: Coffin Butte

For:

Republic Services Inc 28972 Coffin Butte Rd Corvallis, Oregon 97330

Attn: Ian Macnab

Authorized for release by:

Authorized for release by: 3/30/2020 12:19:50 PM

Danielle Harrington, Project Manager II (303)736-0176 danielle.harrington@testamericainc.com

..... Links

Review your project results through

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Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Laboratory Job ID: 280-134669-1

Client: Republic Services Inc Project/Site: Coffin Butte



Table of Contents

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Definitions/Glossary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1

Qua		Ì	f	Ì	е	ľ	S	
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GC/MS Semi VOA

Qualifier Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier Qualifier Description

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier Qualifier Description

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid

CNF Contains Pree Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)



Case Narrative

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1



Job ID: 280-134669-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: Republic Services Inc

Project: Coffin Butte

Report Number: 280-134669-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 3/17/2020; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

Please note, the container labels for sample 3.14.20.002.CB list the collection time as 1512, while the chain of custody lists 1534 for two unpreserved 1L amber glass bottles. Sample was logged per the chain of custody.

GC/MS SEMIVOLATILES- METHOD 625

The method 625 required MS/MSD could not be performed, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

The continuing calibration verification (CCV) associated with batch 280-490034 recovered above the upper control limit (limit +20%D) for 4,6-Dinitro-2-methylphenol, Benzo[g,h,i]perylene, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Hexachlorocyclopentadiene, and Alpha-Terpineol. The samples associated with this CCV were non-detects for the affected analytes; therefore, corrective action is deemed unnecessary...

TOTAL METALS (ICP) - Method 200.7

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GENERAL CHEMISTRY - Various Methods

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

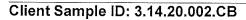
Detection Summary

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-134669-1

Client Sample	ID: 3.14.	20.001.CB
---------------	-----------	-----------

Client Sample ID: 3.14.20.001.CB							Lab Sample ID: 280-13466				
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type			
Copper	8.5	J	15	4.2	ug/L		200.7 Rev 4.4	Total/NA			
Zinc	5.5	J .	20	4.5	ug/L	1	200.7 Rev 4.4	Total/NA			
Total Suspended Solids	8.0		4.0	1.1	mg/L	1	SM 2540D	Total/NA			
pH adj. to 25 deg C	7.9	HF	0.1	0.1	SU	1	SM 4500 H+ B	Total/NA			
Temperature	21.6	HF	1.0	10	Degrees C	1	SM 4500 H+ B	Total/NA			



Lab Sample	ID: 280-134669	-2

	ALL STATE OF THE S										
	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type	
	Zinc	17	J	20	4.5	ug/L	1	_	200.7 Rev 4.4	Total/NA	
	Total Suspended Solids	17		4.0	1.1	mg/L	1		SM 2540D	Total/NA	
1	pH adj. to 25 deg C	8.0	HF	. 0.1	0.1	SU	1		SM 4500 H+ B	Total/NA	
	Temperature	21.4	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA	





Method Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1

Method	Method Description	Protocol	Laboratory
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL DEN
200.7 Rev 4.4	Metals (ICP)	EPA	TAL DEN
350.1	Nitrogen, Ammonia	MCAWW	TAL DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN
SM 4500 H+ B	рН	SM	TAL DEN
200.7	Preparation, Total Metals	EPA	TAL DEN
625	Liquid-Liquid Extraction	40CFR136A	TAL DEN

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Eurofins TestAmerica, Denver

Sample Summary

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-134669-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-134669-1	3.14.20.001.CB	Water	03/14/20 15:12	03/17/20 09:40	
280-134669-2	3.14.20.002.CB	Water	03/14/20 15:34	03/17/20 09:40	



















Client Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Phenol-d5

Terphenyl-d14

Client Sample ID: 3.14.20.001.CB

Job I

Lab Sample ID: 280-134669-1

03/19/20 12:34 03/27/20 05:44 03/19/20 12:34 03/27/20 05:44



	1
D: 280-134669-1	325025

Method: 625 - Semivolatile Organic Compounds (GC/MS)

83

60

Date Collected: 03/14/20 15:12								Matrix:	: Water	
Date Received: 03/17/20 09:40										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
p-Cresol	ND		9.8	0.24	ug/L		03/19/20 12:34	03/27/20 05:44	1	
Alpha-Terpineol	ND		9.8	2.0	ua/L		03/19/20 12:34	03/27/20 05:44	1	

Benzoic acid	ND	59	9.8 ug/L	03/19/20 12:34	03/27/20 05:44	1
Phenol	ND	9.8	2.0 ug/L	03/19/20 12:34	03/27/20 05:44	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91	16 - 147		03/19/20 12:34	03/27/20 05:44	1
2-Fluorobiphenyl	83	43 - 120		03/19/20 12:34	03/27/20 05:44	1
2-Fluorophenol	79	16 - 136		03/19/20 12:34	03/27/20 05:44	1
Nitrobenzene-d5	80	52 - 120		03/19/20 12:34	03/27/20 05:44	1

Les.	
Client Sample ID: 3.14.20.002.CB	Lab Sample ID: 280-134669-2
Date Collected: 03/14/20 15:34	Matrix: Water

11 - 145

10-145

Date Received: 03/17/20 09:40 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Cresol	ND		10	0.26	ug/L		03/19/20 12:34	03/27/20 06:11	1
Alpha-Terpineol	ND		10	2.0	ug/L		03/19/20 12:34	03/27/20 06:11	1
Benzoic acid	ND		61	10	ug/L		03/19/20 12:34	03/27/20 06:11	1
Phenol	ND		10	2.0	ug/L		03/19/20 12:34	03/27/20 06:11	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86	16 - 147	03/19/20 12:34	03/27/20 06:11	1
2-Fluorobiphenyl	85	43 - 120	03/19/20 12:34	03/27/20 06:11	1
2-Fluorophenol	84	16 - 136	03/19/20 12:34	03/27/20 06:11	1
Nitrobenzene-d5	85	52 - 120	03/19/20 12:34	03/27/20 06:11	1
Phenol-d5	89	11 - 145	03/19/20 12:34	03/27/20 06:11	1
Terphenyl-d14	84	10 - 145	03/19/20 12:34	03/27/20 06:11	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Client Sample ID: 3.14.20.001.C Date Collected: 03/14/20 15:12							Lab Sam	ple ID: 280-13 Matrix:	
Date Received: 03/17/20 09:40 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	8.5	J	15	4.2	ug/L		03/18/20 16:15	03/19/20 10:18	1
Zinc	5.5	J	20	4.5	ug/L		03/18/20 16:15	03/19/20 10:18	1

Client Sample ID: 3.14.20.002.CB Date Collected: 03/14/20 15:34							Lab Sam _l	ple ID: 280-13 Matrix:	4669-2 : Water
Date Received: 03/17/20 09:40 Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Zinc	17	J	20	4.5	ug/L		03/18/20 16:15	03/19/20 10:21	1

Client Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-134669-1

General Chemistry

Client Sample ID: 3.14.20.001.CE Date Collected: 03/14/20 15:12 Date Received: 03/17/20 09:40	3						Lab San	nple ID: 280-13 Matrix:	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			03/24/20 15:03	1
Total Suspended Solids	8.0		4.0	1.1	mg/L			03/20/20 13:58	1
pH adj. to 25 deg C	7.9	HF	0.1	0.1	SU			03/18/20 20:35	1
Temperature	21.6	HF	1.0	1.0	Degrees C			03/18/20 20:35	1

Client Sample ID: 3.14.20.002.CB Date Collected: 03/14/20 15:34 Date Received: 03/17/20 09:40							Lab San	nple ID: 280-13 Matrix:	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND	-	0.10	0.022	mg/L			03/24/20 15:05	1
Total Suspended Solids	17		4.0	1.1	mg/L			03/20/20 13:58	1
pH adj. to 25 deg C	8.0	HF	0.1	0.1	SU			03/18/20 20:42	1
Temperature	21.4	HF	1.0	1.0	Degrees C			03/18/20 20:42	1













Surrogate Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		TBP	FBP	2FP	NBZ	PHL	TPHL			
Lab Sample ID	Client Sample ID	(16-147)	(43-120)	(16-136)	(52-120)	(11-145)	(10-145)			
280-134669-1	3.14.20.001.CB	91	83	79	80	83	60			
280-134669-2	3.14.20.002.CB	86	85	84	85	89	84			
LCS 280-489279/2-A	Lab Control Sample	88	87	87	85	85	113			
LCSD 280-489279/3-A	Lab Control Sample Dup	88	86	83	85	84	109			
MB 280-489279/1-A	Method Blank	77	87	85	87	86	105			

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14





QC Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-134669-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-489 Matrix: Water Analysis Batch: 490034	9279/1-A мв	мв					-	ole ID: Method Prep Type: To Prep Batch:	otal/NA
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Cresol	ND		10	0.25	ug/L		03/19/20 12:34	03/27/20 03:27	1
Alpha-Terpineol	ND		10	2.0	ug/L		03/19/20 12:34	03/27/20 03:27	1
Benzoic acid	ND		60	10	ug/L		03/19/20 12:34	03/27/20 03:27	1
Phenol	ND		10	2.0	ug/L		03/19/20 12:34	03/27/20 03:27	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		16-147				03/19/20 12:34	03/27/20 03:27	1
2-Fluorobiphenyl	87		43 - 120				03/19/20 12:34	03/27/20 03:27	1
2-Fluorophenol	85		16 - 136				03/19/20 12:34	03/27/20 03:27	1
Nitrobenzene-d5	87		52 - 120				03/19/20 12:34	03/27/20 03:27	1
Phenol-d5	86		11 - 145				03/19/20 12:34	03/27/20 03:27	1
Terphenyl-d14	105		10 - 145				03/19/20 12:34	03/27/20 03:27	1

Lab Sample ID: LCS 280-489279/2-A	Client Sample ID: Lab Control Sample
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 490034	Prep Batch: 489279

7 maryolo Batom 400004	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	80.0	60.4		ug/L		75	44 - 142
2,2'-oxybis[1-chloropropane]	80.0	59.0		ug/L		74	36 - 166
2,4,6-Trichlorophenol	80.0	70.3		ug/L		88	37 - 144
2,4-Dichlorophenol	80.0	66.2		ug/L	• • • • • • •	83	39 - 135
2,4-Dimethylphenol	80.0	51.3		ug/L		64	32 - 119
2,4-Dinitrophenol	160	146		ug/L		92	10 - 191
2,4-Dinitrotoluene	80.0	69.1		ug/L		86	39 - 139
2,6-Dinitrotoluene	80.0	73.2	į	ug/L		92	50 - 158
2-Chloronaphthalene	80.0	64.9	1	ug/L		81	60 - 118
2-Chlorophenol	80.0	65.9		ug/L		82	23 - 134
2-Methylphenol	80.0	66.1	1	ug/L		83	51 - 108
2-Nitrophenol	80.0	68.5	1	ug/L		86	29 - 182
3,3'-Dichlorobenzidine	160	145		ug/L		91	10 - 262
4,6-Dinitro-2-methylphenol	160	152		ug/L		95	10 - 181
4-Bromophenyl phenyl ether	80.0	67.2		ug/L		84	53 - 127
4-Chloro-3-methylphenol	80.0	65.8		ug/L		82	22 - 147
4-Chlorophenyl phenyl ether	80.0	67.4	(ug/L		84	25 - 158
p-Cresol	80.0	67.8	1	ug/L		85	51 - 111
4-Nitrophenol	160	113		ıg/L		71	10 - 132
Acenaphthene	80.0	68.2	ı	ug/L		85	47 - 145
Acenaphthylene	80.0	67.8	ı	ug/L		85	33 - 145
Anthracene	80.0	69.7		ig/L	· · · · · · ·	87	27 - 133
Benzidine	160	57.2	J (ıg/L		36	5 - 65
Benzo[a]anthracene	0.08	72.2	ι	ıg/L		90	33 - 143
Benzo[a]pyrene	80.0	67.1	ι	ig/L		84	17 - 163
Benzo[b]fluoranthene	80.0	73.4	ι	ıg/L		92	24 - 159
Benzo[g,h,i]perylene	80.0	81.2	ι	ıg/L		101	10 - 219
Benzo[k]fluoranthene	80.0	72.1		ig/L		90	11 - 162
Bis(2-chloroethoxy)methane	80.0	66.1	ι	ıg/L		83	33 - 184
Bis(2-chloroethyl)ether	80.0	68.9	Į	ıg/L		86	12 - 158

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QC Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-134669-

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 280-489279/2-A Prep Type: Total/NA Matrix: Water Prep Batch: 489279 Analysis Batch: 490034 LCS LCS Spike %Rec. Added Result Qualifier Unit %Rec Limits Analyte 80.0 82.8 ug/L 104 10 - 158 Bis(2-ethylhexyl) phthalate 80.0 81.0 ug/L 101 10 - 152 Butyl benzyl phthalate 92 17 - 168 80.0 73.6 ug/L Chrysene 97 10 - 227 80.0 77.8 ug/L Dibenz(a,h)anthracene 80.0 69.9 87 10 - 114 Diethyl phthalate ug/L 80.0 70.6 ug/L 88 10 - 112 Dimethyl phthalate 72.0 ug/L 90 10-118 80.0 Di-n-butyl phthalate 99 10 - 146 80.0 79.5 ug/L Di-n-octyl phthalate 80.0 67.4 ug/L 84 26 - 137 Fluoranthene 80.0 67.5 ug/L 59 - 121 Fluorene 80.0 66.1 ug/L 83 10 - 152 Hexachlorobenzene 80.0 55.9 ug/L 70 24 - 116 Hexachlorobutadiene 160 63.8 ug/L 40 10 - 68 Hexachlorocyclopentadiene 80.0 58.1 ug/L 73 40 - 113 Hexachloroethane 93 10 - 171 80.0 74.3 ug/L Indeno[1,2,3-cd]pyrene 80.0 78 21 - 196 62.3 ug/L Isophorone Naphthalene 80.0 63.6 ug/L 80 21 - 133 Nitrobenzene 80.0 62.0 ug/L 78 35 - 180 80.0 57.6 72 37-113 N-Nitrosodimethylamine ug/L ug/L 80.0 65.7 82 10 - 230 N-Nitrosodi-n-propylamine 88 46 - 114 N-Nitrosodiphenylamine 80.0 70.1 ug/L 78 14 - 176 Pentachlorophenol 160 124 ug/L 80.0 69.7 ug/L 87 54 - 120 Phenanthrene 78 10 - 112 80.0 62.1 ug/L Phenoi 55 - 115 80.0 76.4 ug/L 96 Pyrene

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol	88	-	16 - 147
2-Fluorobiphenyl	87		43 - 120
2-Fluorophenol	87		16 - 136
Nitrobenzene-d5	85		52 - 120
Phenol-d5	85		11 - 145
Terphenyl-d14	113		10 - 145

Lab Sample ID: LCSD 280-489279/3-A Matrix: Water Analysis Batch: 490034			C	Client Sa	ample	ID: Lab	Control : Prep Typ Prep Ba	pe: Tot	al/NA
,	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	Þ	%Rec	Limits	RPD	Limit
1,2,4-Trichlorobenzene	80.0	63.1		ug/L		79	44 - 142	4	35
2,2'-oxybis[1-chloropropane]	80.0	60.4		ug/L		76	36 - 166	2	30
2,4,6-Trichlorophenol	80.0	70.7		ug/L		88	37 - 144	1	30
2,4-Dichlorophenol	80.0	69.1		ug/L		86	39 - 135	4	30
2,4-Dimethylphenol	80.0	58.6		ug/L		73	32 - 119	13	35
2,4-Dinitrophenol	160	152		ug/L		95	10 - 191	4	61
2,4-Dinitrotoluene	80.0	68.9		ug/L		86	39 - 139	0	35
2,6-Dinitrotoluene	80.0	71.3		ug/L		89	50 - 158	3	30
2-Chioronaphthalene	80.0	64.8		ug/L		81	60 - 118	0	30



















QC Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1



Lab Sample ID: LCSD 280-489279/3-A Matrix: Water Analysis Batch: 490034				Client S	ample	ID: Lat	Prep Ty Prep Ba	Control Sample Dup Prep Type: Total/NA Prep Batch: 489279		
Analyte	Spike		LCSD	1114	_	0/ D	%Rec.		RPD	
2-Chlorophenol	Added	66.9	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
2-Methylphenol	80.0	69.3		ug/L		84	23 - 134	1	30	
2-Nitrophenol				ug/L		87	51 - 108	5	35	
	80.0	71.4		ug/L		89	29 - 182		30	
3,3'-Dichlorobenzidine	160	141		ug/L		88	10 - 262	3	50	
4,6-Dinitro-2-methylphenol	160	154		ug/L		96	10 - 181	1	55	
4-Bromophenyl phenyl ether	80.0	65.2		ug/L		81	53 - 127		34	
4-Chloro-3-methylphenol	80.0	67.2		ug/L		84	22 - 147	2	30	
4-Chlorophenyl phenyl ether	80.0	66.4		ug/L		83	25 - 158	2	30	
p-Cresol	80.0	69.7		ug/L		87	51 - 111	3		
4-Nitrophenol	160	113		ug/L		71	10 - 132	0	42	
Acenaphthene	80.0	68.8		ug/L		86	47 - 145	1	30	
Acenaphthylene	80.0	67.7		ug/L		85	33 - 145	0	30	
Anthracene	80.0	69.7		ug/L		87	27 - 133	0	30	
Benzidine	160	58.6	J	ug/L		37	5 - 65	2	50	
Benzo[a]anthracene	80.0	72.5		ug/L		91	33 - 143	0	30	
Benzo[a]pyrene	80.0	68.3		ug/L		85	17 - 163	2	73	
Benzo[b]fluoranthene	80.0	73.0		ug/L		91	24 - 159	1	90	
Benzo[g,h,i]perylene	80.0	80.9		ug/L		101	10-219	0	64	
Benzo[k]fluoranthene	80.0	71.5		ug/L		89	11 - 162	1	50	
Bis(2-chloroethoxy)methane	80.0	67.5		ug/L		84	33 - 184	2	30	
Bis(2-chloroethyl)ether	80.0	70.3		ug/L		88	12 - 158	2	30	
Bis(2-ethylhexyl) phthalate	80.0	82.0		ug/L		102	10 - 158	1	30	
Butyl benzyl phthalate	80.0	81.1		ug/L		101	10 - 152	0	30	
Chrysene	80.0	73.5		ug/L		92	17 - 168	0	30	
Dibenz(a,h)anthracene	80.0	77.7		ug/L		97	10 - 227		. 78	
Diethyl phthalate	80.0	68.4		ug/L		85	10 - 114	2	30	
Dimethyl phthalate	80.0	69.0		ug/L		86	10 - 112	2	30	
Di-n-butyl phthalate	80.0	71.9		ug/L		90	10-118		30	
Di-n-octyl phthalate	80.0	79.0		ug/L		99	10 - 146	1	30	
Fluoranthene	80.0	67.5		ug/L		84	26 - 137	0	30	
Fluorene	80.0	67.0		ug/L		84	59 - 121	1	30	
Hexachlorobenzene	80.0	64.2		ug/L		80	10 - 152	3	30	
Hexachlorobutadiene	80.0	56.8		ug/L		71	24 - 116	1	41	
Hexachlorocyclopentadiene	160	91.5		ug/L		57	10 - 68	36	82	
Hexachloroethane	80.0	58.9		ug/L		74	40 - 113	1	52	
Indeno[1,2,3-cd]pyrene	80.0	73.3		ug/L		92	10 - 171	1	73	
Isophorone	80.0	62.6		ug/L		78	21 - 196		30	
Naphthalene	80.0	65.4		ug/L		82	21 - 133	3	30	
Nitrobenzene	80.0	64.6		ug/L		81	35 - 180	4	30	
N-Nitrosodimethylamine	80.0	59.0		ug/L ug/L		74	37 - 113	4. 2	<u>3</u> 0	
N-Nitrosodi-n-propylamine	80.0	66.7		ug/L		83	10 - 230	2		
N-Nitrosodiphenylamine	80.0	69.7							30 50	
Pentachlorophenol	160	128		ug/L		87	46 - 114		<u>50</u>	
Phenanthrene	80.0	70.9		ug/L		80	14 - 176	3	30	
Phenol	80.0	63.4		ug/L		89	54 - 120	2	30	
				ug/L		79	10 - 112	2	30	
Pyrene	80.0	76.0		ug/L		95	55 - 115	1	30	

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Job ID: 280-134669-1

Client Sample ID: Method Blank

Client: Republic Services Inc Project/Site: Coffin Butte

Phenol-d5

Terphenyl-d14

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

84

109

Lab Sample ID: LCSD 280 Matrix: Water Analysis Batch: 490034)-489279/3-A	.		Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 489279
	LCSD	LCSD		
Surrogate	%Recovery	Qualifier	Limits	
2,4,6-Tribromophenol	88		16 - 147	
2-Fluorobiphenyl	86		43 - 120	
2-Fluorophenol	83		16 - 136	
Nitrobenzene-d5	85		52 - 120	

11 - 145 10 - 145

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-489120/1-A

Matrix: Water Analysis Batch: 489297								Prep Type: To • Prep Batch: م	
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		15	4.2	ug/L		03/18/20 16:15	03/19/20 09:38	1
Zinc	ND		20	4.5	ug/L		03/18/20 16:15	03/19/20 09:38	1

Lab Sample ID: LCS 280-489120/2-A Matrix: Water Analysis Batch: 489297				Cli	ient Saı	mple ID	: Lab Control Sample Prep Type: Total/NA Prep Batch: 489120
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Copper	1000	956		ug/L		96	86 - 112
Zinc	500	478		ug/L		96	85 - 111

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-489766/59 Matrix: Water									CI	ie	nt Sam	ple ID: Metho Prep Type: T	
Analysis Batch: 489766	MR	МВ											
Analyte		Qualifier		RL	ı	MDL	Unit		D	Pr	epared	Analyzed	Dil Fac
Ammonia as N	ND	***************************************		0.10	0	.022	mg/L				•	03/24/20 13:55	1
 Lab Sample ID: LCS 280-489766/5	7							Cli	ient Sa	an	nple ID	: Lab Control	Sample
Matrix: Water	,											Prep Type: T	•
Analysis Batch: 489766													
•			Spike		LCS	LCS	i					%Rec.	
Analyte			Added		Result	Qua	lifier	Unit		כ	%Rec	Limits	
Ammonia as N			2.50		2.51			mg/L			100	90 - 110	
_ 	58						c	Client S	Sampl	е	ID: Lab	Control Sam	ple Dup

Matrix: Water Analysis Batch: 489766							Prep Ty	pe: Tot	al/NA
rinaryoro Laterii 1001.00	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ammonia as N	2.50	2.51		mg/L		100	90 - 110	0	10

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QC Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-134669-1

Prep Type: Total/NA

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-489410/2

Lab Sample ID: LCS 280-489410/1

Matrix: Water

Analysis Batch: 489410

MB MB

Analyte Result Qualifier Total Suspended Solids ND

RL 4.0

MDL Unit Prepared 1.1 mg/L

Analyzed 03/20/20 13:55

Dil Fac

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Method Blank

Matrix: Water Analysis Batch: 489410

Analyte Total Suspended Solids

Spike LCS LCS Added 100

Result Qualifier 93.6

LCS LCS

7.0

Result Qualifier

Unit mg/L

Unit

SU

Unit

Degrees C

SU

%Rec. %Rec Limits 94 79 - 114

Client Sample ID: Lab Control Sample

%Rec.

Limits

99 - 101

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-489222/4

Matrix: Water

Analysis Batch: 489222

pH adj. to 25 deg C

Lab Sample ID: 280-134669-1 DU Matrix: Water

Analysis Batch: 489222

Temperature

Sample Sample Analyte Result Qualifier 7.9 HF pH adj. to 25 deg C

DU DU Result Qualifier 8.1 21.6 HF 21.4

Spike

Added

7.00

Client Sample ID: 3.14.20.001.CB Prep Type: Total/NA

D

%Rec

100

RPD **RPD** Limit 3 5

8.0

Prep Type: Total/NA







10

QC Association Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1

GC/MS Semi VOA

Prep Ba	tch:	489279
---------	------	--------

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-134669-1	3.14.20.001.CB	Total/NA	Water	625	
280-134669-2	3.14.20.002.CB	Total/NA	Water	625	
MB 280-489279/1-A	Method Blank	Total/NA	Water	625	
LCS 280-489279/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 280-489279/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 490034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-134669-1	3.14.20.001.CB	Total/NA	Water	625	489279
280-134669-2	3.14.20.002.CB	Total/NA	Water	625	489279
MB 280-489279/1-A	Method Blank	Total/NA	Water	625	489279
LCS 280-489279/2-A	Lab Control Sample	Total/NA	Water	625	489279
LCSD 280-489279/3-A	Lab Control Sample Dup	Total/NA	Water	625	489279

Metals

Prep Batch: 489120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-134669-1	3.14.20.001.CB	Total/NA	Water	200.7	
280-134669-2	3.14.20.002.CB	Total/NA	Water	200.7	
MB 280-489120/1-A	Method Blank	Total/NA	Water	200.7	
LCS 280-489120/2-A	Lab Control Sample	Total/NA	Water	200.7	

Analysis Batch: 489297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-134669-1	3.14.20.001.CB	Total/NA	Water	200.7 Rev 4.4	489120
280-134669-2	3.14.20.002.CB	Total/NA	Water	200.7 Rev 4.4	489120
MB 280-489120/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	489120
LCS 280-489120/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	489120

General Chemistry

Analysis Batch: 489222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch	1
280-134669-1	3.14.20.001.CB	Total/NA	Water	SM 4500 H+ B	-
280-134669-2	3.14.20.002.CB	Total/NA	Water	SM 4500 H+ B	
LCS 280-489222/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
280-134669-1 DU	3.14.20.001.CB	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 489410

– Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-134669-1	3.14.20.001.CB	Total/NA	Water	SM 2540D	
280-134669-2	3.14.20.002.CB	Total/NA	Water	SM 2540D	
MB 280-489410/2	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-489410/1	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 489766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-134669-1	3.14.20.001.CB	Total/NA	Water	350.1	
280-134669-2	3.14.20.002.CB	Total/NA	Water	350.1	
MB 280-489766/59	Method Blank	Total/NA	Water	350.1	
LCS 280-489766/57	Lab Control Sample	Total/NA	Water	350.1	

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QC Association Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1

General Chemistry (Continued)

Analysis Batch: 489766 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 280-489766/58	Lab Control Sample Dup	Total/NA	Water	350.1	t

















Lab Chronicle

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-134669-1

Lab Sample ID: 280-134669-1

Matrix: Water

Client Sample ID: 3.14.20.001.CB

Date Collected: 03/14/20 15:12 Date Received: 03/17/20 09:40

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	625			1020.7 mL	1 mL	489279	03/19/20 12:34	FGL	TAL DEN
Total/NA	Analysis	625		1			490034	03/27/20 05:44	RDP	TAL DEN
Total/NA	Prep	200.7			50 mL	50 mL	489120	03/18/20 16:15	EC	TAL DEN
Total/NA	Analysis	200.7 Rev 4.4		1			489297	03/19/20 10:18	LMT	TAL DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	489766	03/24/20 15:03	BWH	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	489410	03/20/20 13:58	LEB	TAL DEN
Total/NA	Analysis	SM 4500 H+ B		1			489222	03/18/20 20:35	CJ	TAL DEN

Client Sample ID: 3.14.20.002.CB

Date Collected: 03/14/20 15:34 Date Received: 03/17/20 09:40 Lab Sample ID: 280-134669-2 Matrix: Water

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	625			975.9 mL	1 mL	489279	03/19/20 12:34	FGL	TAL DEN
Total/NA	Analysis	625		1			490034	03/27/20 06:11	RDP	TAL DEN
Total/NA	Prep	200.7			50 mL	50 mL	489120	03/18/20 16:15	EC	TAL DEN
Total/NA	Analysis	200.7 Rev 4.4		1			489297	03/19/20 10:21	LMT	TAL DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	489766	03/24/20 15:05	BWH	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	489410	03/20/20 13:58	LEB	TAL DEN
Total/NA	Analysis	SM 4500 H+ B		1			489222	03/18/20 20:42	CJ	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100





Eurofins TestAmerica Denver				Environment Testing
4955 Yarrow Street Arvada, CO 80052	Chain of Custody Record		5000	TestAmerica
Phone (303) 736-0100 Fax (303) 431-7171	Sampler		Comer Tracking Nois);	COC No.
rmation		Harrington, Danielle M		280-79764-26097.1
Client Contact: Phil Caruso	Phone	E-Mail: danielle.harrington@testamericainc.com		Page 1 of 1
Company. Republic Services Inc		Analysis Requested	ANN THE PROPERTY OF THE PROPER	42.5
Address: 28972 Coffin Butte Rd	Due Dato Requested:			1.2
City: Corvallis	TAT Requested (days):			B-NaCH N-None C-Zn-Acetate O-AstaOC
State, Zip: OR, 97330				D-Mere Acid P-N22045 E-N24604 O-N62505
Phone: 541-745-5792(Tel)	PO #:			
Email: pcaruso@republicservices.com	#0#	(oli	\$	1-fce 3-Di Vrater
Project Name: 921711: Valley Landfill	Project #: [28017984]	10 50 10 20 10 20	ieújej	K-EDTA L-EDA
site: Source	SSOW#:	o por pueder pueder	o Jo	Other:
	<u></u>	leted f) Jodun	
Samela IdanMication	Sample	Ownerfoli, Constitution of American Constituti	TOESI M	Snorfal (networking)
	Preserve			
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3.14.20.002.CB	13/14/20/15:34 6	7×××		Z'x C Ox L
				2:52
			8081	32.00
	280-134669 Chain of Custody	ýpc Vpc		
	Poison B Unknown Rediological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Clent Disposal By Lab Archive For	assessed if samples are reta Disposal By Lab	tained longer than 1 month) Archive For
, III, IV, Other (specify)		Requirem		
Emply Kit Relinquished by:	Date:	Time;	Method of Shipment	bertheidendenatusjölmus usvarasenskinentekkanaronkilisaatistaksenskilisaatistakselistekselistekse
Resinquistred by (16/20 CA-21		Date/Ting:	7-10 Of 4 Company The
Neardousing by			Date/Time:	Company
reinduisned by	Lako kme:	Company Received by:	DalarTime:	Соминалу
Custody Seals intact: Custody Seal No.:		Cooler Temperature(s) C and Other Remarks	1	3-17-76
				Company of the Compan

TUE - 17 MAR 10:30A PRIORITY OVERMIGHT TRK# 8113 9338 1280 180002 DEN

Express

Expanded Billable Stamp
tts celly to adoption of which the U.S.
Saturday, delivery avoidable.

1	From ORDER: 00834319	
	()	FedEx Priority Overnight®
-	Release Signature For nonresidential deliveries.	For FedEx Usa Only Engloype Mismber Basa Emerges

Sugarest mid not be excepted displaces below it shared

M-10091 Rev. 3/10

Total Usunges

SAMPLE RECEIVING TESTAMERICA DENVER 4955 YARROW ST ARVADA, CO 80002 (303) 736-0100

811393381280

NONREDEEMABLE

SATURDAY DELIVERY

Login Sample Receipt Checklist

Answer

True

True

True

True

True

N/A

True

N/A

True

True

N/A

Comment

Client: Republic Services Inc

Job Number: 280-134669-1

Login Number: 134669

List Number: 1

Question

Creator: Lubin, Julius C

Sample containers have legible labels.

Sample collection date/times are provided.

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Appropriate sample containers are used.

Containers are not broken or leaking.

Sample bottles are completely filled.

Multiphasic samples are not present.

Samples do not require splitting or compositing.

Sample Preservation Verified.

Residual Chlorine Checked.

MS/MSDs

<6mm (1/4").

List Source: Eurofins TestAmerica, Denver

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7
{ā}
(3)

Radioactivity wasn't checked or is = background as measured by a survey meter.</th <th>N/A</th> <th></th>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	







TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Republic Services Corvallis ATTEN. Phil and lan

03/23/2020

28972 Coffin Butte Rd Corvallis, OR 97330

REPSERCOR

PO#: BOD

Collection Information

Lab Receipt Information

Date: 03/14/2020 Time: 1534

03/16/2020

By: Phil 0910 MM

Lab #:

the laboratory.

20200316-003

Location: 002

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

						Analy	/sis
Analyte	Method	Acc* Results	Qual	MRL	Units	Date Time	Tech
BOD	SM5210 B	ND		2.	mg/l	03/23/2020	0900 AS

ND- No Detection at @ MRL SM-"Standard Methods for the Examination of Water & Wastewater",19th ed EPA- "Methods for Chemical Analysis for Water and Wastes", USEPA MRL-"Method Reporting Limit" * Accreditation A- Waterlab Corporation, ORELAP 100039 The results relate only to the parameters tested or to the sample as received by

This report shall not be reproduced except in full, without the written approval of Waterlab Corporation. BOD Date /Time started/Tech 3/16/20 1242 AS

Atti 5. Ayas
Page 1 of 1



TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Republic Services Corvallis ATTEN. Phil and Ian

03/23/2020

28972 Coffin Butte Rd Corvallis, OR 97330

REPSERCOR

PO#: BOD

Collection Information

Lab Receipt Information

Date: 03/14/2020 Time: 1520 03/16/2020

Time: 1520 By: Phil 0910 MM

Lab #:

20200316-002

Location:

001

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

					Analy	sis
Analyte	Method	Acc* Results	Qual MRL	Units	Date Time	Tech
BOD	SM5210 B	ND	2.	mg/l	03/23/2020	0900 AS

ND- No Detection at @ MRL
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
MRL-"Method Reporting Limit"
* Accreditation
A- Waterlab Corporation, ORELAP 100039
The results relate only to the parameters tested or to the sample as received by
the laboratory.

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BOD Date /Time started/Tech 3/16/20 1242 AS

Approved by:

Page 1 of 1

Stir E. Myers



Burlington, WA Corporate Laboratory (a) 1620 S Walnut St - Surlington, WA 98233 - 800.755.9295 • 360.757.1400 Bellingham, WA Microbiology (b) 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360,715,1212

Portland, OR Microbiology/Chemistry (c) 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blyd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)* 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639,8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name: System ID Number: Source Number: Multiple Sources:

Sample Type:

Sample Purpose: Investigative or Other Sample Location: Coffin Butte, Outfall 001

County:

Reference Number: 20-09386

Project: Stormwater

Sample Number: 3.16.20.001 Lab Number: 20_18296 Collect Date: 3/16/20 14:20

Date Received: 3/16/20 Report Date: 3/19/20

Sampled By: Phil Caruso Prep Date: 3/16/20 16:57

Approved by: mdp

Authorized by:

Sarah P Miller Lab Manager, Corvallis

James Miller

EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
2920 3014	Microbiology TOTAL COLIFORM E. Coli	>2419 123	MPN/100mL			rap rap	OR100009 d	SM9223 B.2.b/Colilert-18 SM9223 B.2.b/Colllert-18	03/17/20 11:23 03/17/20 11:23	
								B.2.b/Colliert-18		
	•								No. of the state o	
	·									
NOTES			L	<u> </u>		<u> </u>	ļ		<u> </u>	

ND (Not Detected): indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

* Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.

If you have any questions concerning this report contact us at the above phone number. FORM: BACT_NUM_OR



Burlington, WA Corporate Laboratory (a) 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400

Portland, OR Microbiology/Chemistry (c) 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802 Bellingham, WA Microbiology (b) 805 Orchard Dr Ste 4 - Beflingham, WA 98225 - 360.715.1212 Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)* 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name: System ID Number:

Source Number: Multiple Sources:

Sample Type:

Sample Purpose: Investigative or Other Sample Location: Coffin Butte, Outfall 002

County:

Reference Number: 20-09386

Project: Stormwater

Sample Number: 3.16.20.002 Lab Number: 20_18297

Collect Date: 3/16/20 14:27 Date Received: 3/16/20

Report Date: 3/19/20 Sampled By: Phil Caruso

Prep Date: 3/16/20 16:57

Approved by: mdp

Authorized by:

Sarah P Miller Lab Manager, Corvallis

Jacus Miller

EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	I Total	Analyzed	COMMENT
-1 7 MF	Microbiology	1120210	0,1110	200	MICE	riidiyat	Lab Coue	WETTOD	Allalyzed	COMMENT
2920	TOTAL COLIFORM	1046	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Colilert-18	03/17/20 11:23	1
3014	E. Coli	12	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Colilert-18	03/17/20 11:23	
										and the state of t
										İ
MOTEC.							инициан т.т.			

NOTES:
ND (Not Detected): Indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

^{*} Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.



28972 Coffin Butte Road Corvallis, OR 97330 (541) 745-5792 Valley Landfills, Inc. Coffin Butte Landfill

PH CALIBRATION LOG

CALIBRATION CHECK ROUTINE PH METER

SERIAL NUMBER: 16326011

Calibrate 1-2 hours prior to use

Hach H138 miniLab Pro

INSTRUMENT: FREQUENCY: Accuracy = +/- 0.1 pH units

Observed 9 pH Calibration Expected 7.0 Buffer 3 Expiration 10/20 Buffer 3 10.0 **Buffer 2 Expiration** 12/20 Buffer 2 4.0 Signature: **Buffer 1 Expiration** 5/20 Buffer 1 7.0 Name Collector/ Analyzer: DATE Time Calibrated:

RPD %	and desired	The state of the s		
AVERAGE (M)	To the state of th	3.7		
PH DUPLICATE	The state of the s	W.		
pH OUTFALL	042			
TIME COLLECTED TIME ANALYZED		The state of the s		
TIME COLLECTED	Salar	500		
OUTFALL NAME	001	002		

M = (pH of sample A + pH of sample B) + 2

RPD = (pH sample A - pH sample B) \div M \times 100

RPD = Relative Percent Difference

TUPPAN CONSULTANTS LLC

Geology Hydrogeology Environmental Consulting

May 5, 2020 Project VLI-001-001

Ms. Jill Seale Oregon Department of Environmental Quality Western Region 165 East 7th Avenue, Suite 100 Eugene, Oregon 97401

Re: Third Quarter 2019-20 Discharge Monitoring Report for Valley Landfills, Inc.,

Coffin Butte Landfill: File Number 104176

Dear Jill:

Attached is the Quarterly Discharge Monitoring Report (DMR) for the Coffin Butte Landfill, in Corvallis, Oregon, owned by Valley Landfill, Inc. (VLI). Data is for the third reporting quarter, January 1 through March 31, 2020. Samples were tested and reported for statewide benchmark parameters (several are waived), impairment pollutants, and effluent limits.

Please note that VLI tested for copper at outfall 002 for sampling events on January 28 and March 14, 2020, even though that parameter had been waived by DEQ letter of December 9, 2019. Sample results are included with the laboratory reports but are not filled in on the DMR, which shows copper as waived "W" for those dates.

An electronic version of this report was submitted by e-mail for your records.

If you have any questions about this information, please call me or the site contact, who is Ian Macnab at (541) 230-5543.

Sincerely,

cc:

TUPPAN-COMSULTANTS LLC

Eric J. Tuppan, R.G. Project Manager

Attachments: 3rd Quarter 2019-20 DMR

Laboratory Reports

Ian Macnab; Republic Services (electronic copy)

RECEIVED

Exp 12/1/2020

MAY 06 2020

t 503 675 1335 | c 503 866 2551

eric@tuppanconsultants.com | www.tuppanconsultants.com_{WESTERN REGION EUGENE} 460 Second Street, Suite 103, Lake Oswego, Oregon 97034 USA

Discharge Monitoring Report 1200-Z Permit

D [2(0)

National Pollutant Discharge Elimination System Permit Industrial Stormwater Discharge General Permit

State of Original Instructions: This report must be completed for each quarter and submitted by the 15th of February, May, August Department of Environmental and November to the appropriate DEQ regional or agent office. The report must contain the results of all stormwater monitoring conducted during each quarter, and variance requests are due semi-annually, in February and August. Sample for the pollutants at monitoring location(s) specified in your SWPCP and use the monitoring location(s) number from your SWPCP. You must include the laboratory results, including minimum detection level, Quality Assurance/Quality Control and analytical methods for the parameters analyzed. You must also submit pH field notes and chain of custody. **Facility Information** Legal name: Coffin Butte Landfill **DEQ File No: 104176** Common name: Coffin Butte Landfill EPA #: ORR501175 'see Reporting Quarter; 21st 2nd 3rd 4th table 6 Facility address: 28972 Coffin Butte Rd. Reporting Year: 2020 to 2021 Facility City, Zip: Corvallis, 97330 ☐ Columbia Slough ☑ Columbia River ☐ Portland Harbor ☑ Regional Geo-Region: Administrated by: DEQ. Clean Water Services 2nd Geo-Region ☐ Columbia Slough ☐ Columbia River ☐ Portland Harbor Regional City of Portland City of Eugene Primary SIC Code: 4953 Secondary SIC Code: N/A Monitoring Information Number of monitoring location(s): 2 Number of discharge point(s): 2 If different, you certify that the facility has established either: 1) the area has no exposure of stormwater to industrial activities, or 2) the effluent is substantially similar to effluent(s) monitored and the same BMPs are implemented and maintained. (See permit pg 23) Monitoring Waiver(s) If yes list date on DEQ or Agent approval letter. 10/9/2018 **DMR Submittal Checklist** Please check all applicable documents are included with you DMR submittal: Original Signature QA/QC form Lab pH field sheets ☐ Laboratory Reports Chain of Custody Certification 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 (40 CFR 122.22(d)). 11/4/20 Date: Signature: Printed Name: Shawn Edmonds Title: General Manager Legally Authorized Representative VEmail: sedmonds@republicservices.com NOV (Telephone: (541) 286-8749 *2018 1200-Z permit, page 29

> WESTERN REGION EUGENE DEPT, OF ENVIRONMENTAL QUALITY General; Page 1



Department of Environmental

Quality

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

For official use only:

Legal Name: Coffin Butte Landfill

DEQ File No: 104176

				Reg	gional Bei	nchmarks	6		
Monitoring Location(s)	Sample Date	рН	Total Suspended Solids	Total Oil & Grease	Total Copper	Total Lead	Total Zinc	E. coli *	* E. coli is only required for landfills and sewage treatment plants.
Mon		s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	counts/ 100 ml	
001	Jul-Sep 2020	W	jeden W aliyaa	W. W.	No Discharge	W	W	No Discharge	
			1.5/10/14/14		A	,			
	AND NO. No. 1	4.545	nere establicaci	NAME OF STREET	HOMESTED NEW			14.4573	
	REPLY CONTR			(Waliference)		MARKET CO.	andra, aa	, salayalay	
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	SWIFFERE				.egkgyä@AFa	g water to a c	e de de la composición dela composición de la composición de la composición de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición del	Signal Space	
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002	Jul-Sep 2020	W	W	W	W	W	W	No Discharge	
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						BARTARES.			
	Signatura (Heiman						HEREINE.	
	PARAMANTEE.					1511255 (FIELD			
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				ngggagggggggag			na santa ana.		
Seometri	c Mean	47. (11% Y.)							
Reg	gional	5.5-9.0	100	10	0.020	0.015	0.12	406	



Discharge Monitoring Report 1200-Z Permit

D 20 State of Oregon Department of Environmental

Quality

For official use only:

Legal Name: Coffin Butte Landfill

DEQ File No: 104176

						e Concentration			
		(see per	mit assignn	nent letter for	identification	on of required	parameters	s)	
Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic. Total Recoverable	BOD₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
Mo	,	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2020				No Discharge				
Geometr	ı ric Mean								
002	Jul-Sep 2020				No Discharge	9	SENSEN SEN		
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Environmental

Quality

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

For offi	cial u	ise c	only
\$ 55 S S S S S S S S S S S S S S S S S S			THE RE

Legal Name:

DEQ File No: DEQ File No:

	.	Keler		nt assignn	nent letter f	or emuent	T		rements		T
Monitoring Location(s)	Sample Date	asphalt ities	Total Suspended Solids	Total Oil & Grease	pН	Discharges from material storage piles at cement manufacturing facilities	charges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pН	Runoff containing urea from airfield pavement deicing	Ammonia as Nitroge
Ľ ŭ		charges from asplemulsion facilities	mg/L	mg/L	s.u.	mar Sen Scili	harges from coal storilles at Steam Electric Generating Facilities	mg/L	s.u.		mg/L
Receipt		Discharges from emulsion facil				at on light			, single second	ng l	E 47.5
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							Discharges piles at 8 Genera			Runi	
	l de la companya de l		23.0	15,0	6.0-9.0			50	6.0-9.0		14.7
Monitoring Location(s)	Sample Date	non- andfills	BOD ₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Benzoic Acid	p-Cresol	Phenol •	Zinc, Total	Нq
Mo	:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	s.u.
§ 001	Jul-Sep 2020	Discharges from hazardous waste	No Discharg	lo Discharg	No Discharge	lo Discharg	No Discharg	lo Discharg	lo Discharg	lo Discharg	lo Dischar
		rge:				NAME OF STREET	arvenikken	SOME THE			NEW PROPERTY.
		cha doi					Special contraction of the Special Contract of the Spe		\$10.00 M		
		Disc		1-04904000	4-12-1-1	The second section of the sect			Company Name (replacement
	sayalayan	24	ana Name	the second							
L	imit		140	88	10	0.033	0.12	0.025	0.026	0.20	6.0-9.0
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	BOD ₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Aniline	Benzoic Acid	Naphth- alene	p-Cresol	Phenol
Mo		s we	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Discharges from hazardous waste landfills	garata part			NAME OF STREET	YES WENSE	edd Seese	48499		
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		Dis haz				Świętyje.					STEELS ST
										THE PERSON	
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Monitoring Location(s)	Sample Date	om Iste	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pН				
Mo Loc		is fr wa Is	mg/L	mg/L	mg/L	mg/L	s.u.				
SEE SEE SEE		Discharges from hazardous waste landfills									
		sche Zard Tard	1989/197	Samon		Military ex	part of the				
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Discharge Monitoring Report 1200-Z Permit

5 (0) State of Oregon Department of Environmental

Quality

For off		

Legal Name:

DEQ File No: DEQ File No:

					delines (twi ent letter fo			ling requir	•		
Monitoring Location(s)	Sample Date	asphalt ities	Total Suspended Solids	Total Oil & Grease	рН	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pН	Runoff containing urea from airfield pavement deicing	Ammonia as Nitroge
Mo	•		mg/L	mg/L	s.u.	i iii ii	al s	mg/L	s.u.	l les	mg/L
MANAGE		Fon fac	Termina			at c g fe	Fac E	No. of the Control of	0.45%/4/201		
		Discharges from asphemulsion facilities				s fro	charges from coal store piles at Steam Electric Generating Facilities				New State
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L	imit .	3000	23.0	15.0	6.0-9.0		Dis	50	6.0-9.0	K	14.7
Monitoring Location(s)	Sample Date	Discharges from non- hazardous waste landfills	BOD₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Benzoic Acid	p-Cresol	Phenol	Zinc, Total	pН
Mor	:	<u> </u>	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	.s.u.
002	Jul-Sep 2020	from aste k	No Discharg	No Discharge	No Discharge	lo Discharg	lo Discharg	No Discharg	No Discharg	lo Dischar	lo Discha
002		ges s w							Stillering	denialija.	
		har	NAME OF THE PERSON OF THE PERS			Variation.	STATE OF THE PARTY.		under Silv		Enday Svi.
	HARLE REAL	Discharges azardous wa			KARANA S				######################################		signia i s
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L. Mile L	imit		140	88	10	0.033	0.12	0.025	0.026	0.20	6.0-9.0
Monitoring Location(s)	Sample Date	om ste	BOD₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Aniline	Benzoic Acid	Naphth- alene	p-Cresol	Phenol
Mor		Discharges from hazardous waste landfills	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NAME.	THE HEALTH AND	harges fi rdous wa landfills								VH SANSKE	
		cha ard ard	NEW Y	PERMIT		MARIANA.	4000/1900	Applications:	NEW TOTAL		(0.7)340
		Dis		Audin SASE	Asheria:	No. 10 No			(Alternative		
				en tentres			3333433				48462
L	imit		220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	om Ste	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	рН				
Mor Loc		Discharges from hazardous waste landfills	mg/L	mg/L	mg/L	mg/L	s.u.				
		charges f ardous w landfills	ARTHR A			NAMEDIA					
			No. in the second								
		Dis				()\Javah4)	inchiji (KA)				
	HANNAHA						doles, es	1 1			
	imit	122,00000000000000000000000000000000000	0.072	1.1	1.1	0.535	6.0-9.0				

TUPPAN CONSULTANTS LLC

Geology Hydrogeology Environmental Consulting

November 4, 2020 Project VLI-001-001

Ms. Jill Seale Oregon Department of Environmental Quality Western Region 165 East 7th Avenue, Suite 100 Eugene, Oregon 97401

Re: First Quarter 2020-21 Discharge Monitoring Report for Valley Landfills, Inc., Coffin Butte Landfill: File Number 104176

Dear Jill:

Attached is the Quarterly Discharge Monitoring Report (DMR) for the Coffin Butte Landfill, in Corvallis, Oregon, owned by Valley Landfill, Inc. (VLI). Information is for the first reporting quarter, July 1 through September 30, 2020. No samples were collected because of low rainfall during the period and no discharge from the ponds and bioswales.

An electronic version of this report was submitted by e-mail for your records.

If you have any questions about this information, please call me or the site contact, who is Ian Macnab at (541) 230-5543.

Sincerely,

TUPPAN CONSULTANTS LLC

Eric J. Tuppan, R.G Project Manager

Attachments: 1st Quarter 2020-21 DMR

cc: Ian Macnab; Republic Services (electronic copy)

Broc Kienholz; Republic Services, (electronic copy)

RECEIVED

NOV 06 2020



Discharge Monitoring Report 1200-Z Permit

National Pollutant Discharge Elimination System Permit Industrial Stormwater Discharge General Permit

State of Oregon Instructions: This report must be completed for each quarter and submitted by the 15th of February, May, August Department of Environmental and November to the appropriate DEQ regional or agent office. The report must contain the results of all stormwater monitoring conducted during each quarter, and variance requests are due semi-annually, in February and August.

Sample for the pollutants at monitoring location(s) specified in your SWPCP and use the monitoring location(s) number from your SWPCP. You must include the laboratory results, including minimum detection level. Quality Assurance/Quality Control

	ethods for the parameters analyzed	. You must also	submit pH field note	s and chain of cus	stody.
Facility Infor	mation				
Legal name:	Coffin Butte Landfill		DEQ File No:	104176	
Common name:	Coffin Butte Landfill		EPA #:	ORR501175	
Facility address:	28972 Coffin Butte Rd.		Reporting Quarter:	☐ 1st ☐ 2nd ☑ 3i	rd
Facility City, Zip:	Corvallis, 97330		Reporting Year:	2020 to 2021	
Geo-Region:	☐ Columbia Slough ☐ Columbia River	Portland Harbor	☑ Regional	Administrated by:	
2nd Geo-Region	☐ Columbia Slough ☐ Columbia River	☐ Portland Harbor	Regional	☑ DEQ	Clean Water Services
Primar	y SIC Code: 4953 Secondar	y SIC Code: N/A		☐ City of Portland	City of Eugene
Monitoring I	nformation				
Number of discha	rge point(s): 2	No	umber of monitoring	location(s): 2	
If different, you ce effluent is substa	rtify that the facility has established eit ntially similar to effluent(s) monitored a	her: 1) the area ha	s no exposure of stores are implemented an	mwater to industrial d maintained. (See	activities, or 2) the permit pg 23)
Monitoring V	Vaiver(s) If yes list date on DEQ	or Agent approva	al letter.		
10/9/2018					
12/9/2019					
DMR Submit	tal Checklist Please che	ck all applicable	documents are inclu	ided with you DMI	R submittal:
☑ Original Signat	ture	Chain of Custody	☑ QA/QC form	Lab [☑ pH field sheets
Certification					
system designed to person or person or persons is, to the best of m	alty of law that this document and all at to assure that qualified personnel prope who manage the system, or those per- yoknowledge and belief, true, accurate, ling the possibility of fine and imprisonn	erly gather and eva sons directly respo , and complete. I a	luate the information nsible for gathering the maware that there ar	submitted. Based or ne information, the in e significant penaltion	n my inquiry of the
Signature:	Sn 21/-	REC	EIVE Date:	5/5/2	
Printed Name:	Shawn Edmonds Legally Authorized Representation	MAY	1 0 2021 Title:	General Manager	
			Email: 2	sedmonds@republic	cservices.com
*2018 1200-Z permit	t, page 29	11	ROWMT Elephone T	TO SELECT THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	



Quality

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

For official use only:

Legal Name: Coffin Butte Landfill

DEQ File No: 104176

Instructions: This report must be completed for each quarter and submitted by the 15th of February, May, August and November to the appropriate DEQ regional or agent office. The report must contain the results of all stormwater monitoring conducted during each quarter, and variance requests are due semi-annually, in February and August. Sample for the pollutants at monitoring location(s) specified in your SWPCP and use the monitoring location(s) number from your SWPCP. You must include the laboratory results, including minimum detection level, Quality Assurance/Quality Control and analytical methods for the parameters analyzed. You must also submit pH field notes and chain of custody.

Regional Benchmarks * E. coli is only required Total Monitoring Location(s) Total Oil & for landfills and sewage Ηq Suspended Total Copper Total Lead **Total Zinc** E. coli * Grease Solids Sample Date treatment plants. counts/ 100 s.u. mg/L mg/L mg/L mg/L mg/L ml Jul-Sep 2020 001 W W W No Discharge W W No Discharge 001 11/16/20 7.97 2.8 W W W ND (0.02) 866 001 12/16/20 W W W W W W 44 W 001 02/01/21 8 15 W W 0.074 161 001 02/18/21 W W W W W W 43 W W ·W W : · · · W Geometric Mean 127 002 Jul-Sep 2020 W W W W W W No Discharge 002 11/16/20 7.61 20 W W W 0.019 1732 002 12/16/20 W W W W W W 2419 7.7 W W W 002 02/01/21 440 0.11 517 002 02/18/21 W W W W W W 39 002 03/09/21 50 Geometric Mean W W W W • W 539 Geometric Mean Geometric Mean Regional 5.5-9.0 100 10 0.020 0.015 0.12 406 **Benchmarks**



Discharge Monitoring Report 1200-Z Permit

State of Oregon Department of Environmental Quality

For official use only:

Legal Name: Coffin Butte Landfill

DEQ File No: 104176

		(see per	•	t Pollutants ar nent letter for				s)	
Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic. Total Recoverable	BOD₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
Mo		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2020				No Discharge				
001	11/16/20				ND (2.0)			100	
001	12/16/20				ND (2.0)				
001	02/01/21			100	ND (2.0)				
001	02/18/21				ND (2.0)				
						weeks and the second second			
	ric Mean				1 1 -				
002	Jul-Sep 2020				No Discharge				
002	11/16/20				ND (2.0)				
002	12/16/20				ND (3.0)		i tanan		
002	02/01/21	Constitution of the Consti			3.9				
002	02/18/21				ND (2.0)				1900
Geomet	ric Mean				2				
200									
				192					
11/2/2014			1000						
Geomet	ric Mean								
	e e								
									180
									100
Geomet	ric Mean								
	rment Ref. centration	0.003	1.0	0.34	30	See Letter	0.0024	0.000083	See Letter



Discharge Monitoring Report 1200-Z Permit

For official use only: Legal Name:

DEQ File No: DEQ File No:

State of Oregon
Department of
Environmental
Quality

					idelines (tw nent letter f						
Monitoring Location(s)	Sample Date	asphalt lities	Total Suspended Solids	Total Oil & Grease	рН	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	рН	Runoff containing urea from airfield pavement deicing	Ammonia as Nitroge
Mo		charges from asplemulsion facilities	mg/L	mg/L	s.u.	mat Sen acili	harges from coal storiles at Steam Electric Generating Facilities	mg/L	s.u.	ei ei	mg/L
		Discharges from emulsion facil				om at (ng i	
		jes sior				s fr	TOT Tea ting			aini.	
		narç mul				act D	at S			ont Bay	
		Sch				cha orag	arg es ien			والا eld	
		٥				Dis. stc	rese Fig				
		1 25 2	23.0	15.0	6.0-9.0		۵	50	6.0-9.0	Υ	14.7
Monitoring Location(s)	Sample Date	Discharges from non-hazardous waste landfills	BOD₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Benzoic Acid	p-Cresol	Phenol	Zinc, Total	pН
Mo		m r e la	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	s.u.
001	Jul-Sep 2020	Discharges from azardous waste I	No Discharg	No Discharg	No Discharge	lo Discharg	No Discharg	No Discharg	lo Discharg	lo Discharg	lo Dischar
001	11/16/20	ge Seg	ND (2.0)	2.8	ND (0.10)	<u> </u>		ND(0.010)			7.97
001	02/01/21	chai dou	ND (2.0)	15	ND (0.10)	ND(0.0099)	ND(0.059)	ND(0.0099)	ND(0.0099)	0.0074	8
		Disc	(6/16)							1944	
		7 2								hervightig	
L	imit		140	88	10	0.033	0.12	0.025	0.026	0.20	6,0-9,0
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	BOD₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Aniline	Benzoic Acid	Naphth- alene	p-Cresol	Phenol
Mo		Discharges from hazardous waste landfills	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		harges I Irdous w Iandfills									
		cha Tard Tard									
light of		Dis haz									
L	imit		220	. 88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	om ste	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	рН				
Moi		s fr wa Is	mg/L	mg/L	mg/L	mg/L	s.u.				
		narges f rdous w andfills									
		Discharges from hazardous waste landfills									
		Dis haz									
1	imit	- transport and a service and	0.072	1.1	1.1	0.535	6.0-9.0	3-11-2			



Discharge Monitoring Report 1200-Z Permit

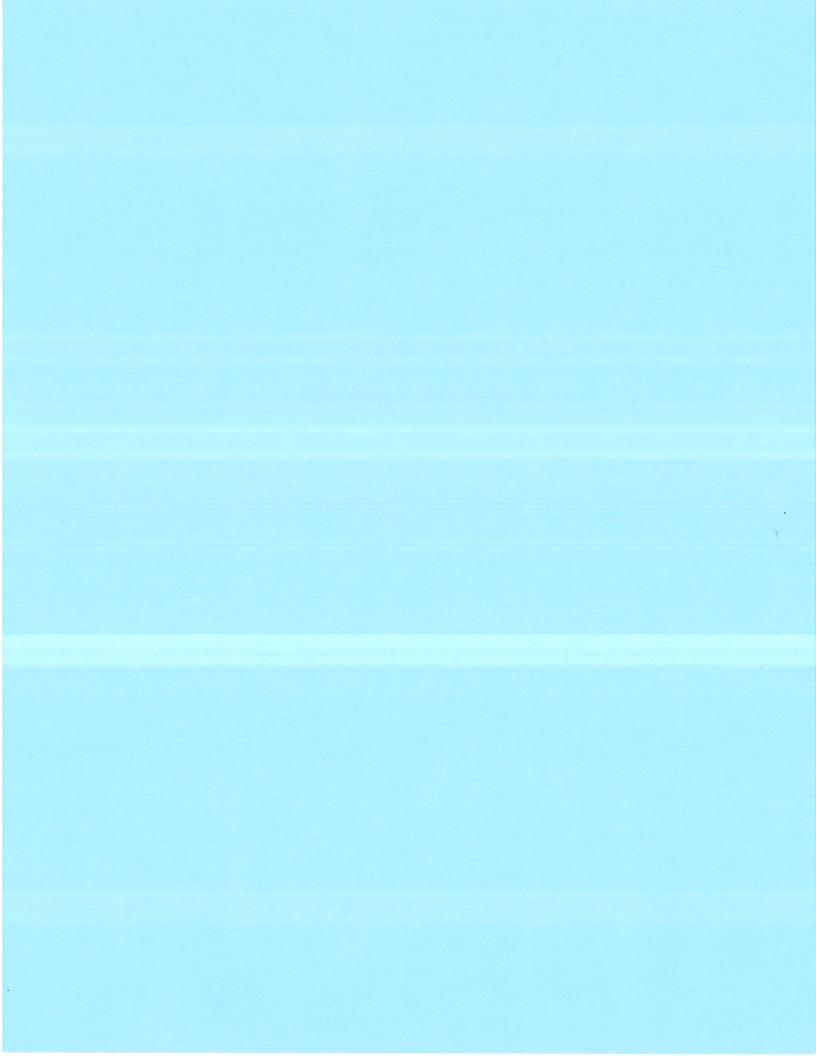
State of Oregon Department of Environmental

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DEQ File No: DEQ File No:

70.00			Total		ent letter fo	or emident	The second secon	Total	ements.		
Monitoring Location(s)	Sample Date	asphalt ities	Suspended Solids	Total Oil & Grease	рН	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Suspended Solids	pН	Runoff containing urea from airfield pavement deicing	Ammoni as Nitroge
ĕ ŏ		charges from asph emulsion facilities	mg/L	mg/L	s.u.	ischarges from materia storage piles at cement manufacturing facilities	charges from coal store piles at Steam Electric Generating Facilities	mg/L	s.u.	lre dei	mg/L
100		Discharges from emulsion facil				om at c				ng t lent	
		ges sior				s fr iles turir	from Stea ting			aini Ver	
		har mul				lrge Je p fac	es era			Da Pa	
	vertical sections.)isc e				cha	les Sen			off o	
						Dis str	isch pi			Sun airt	
ALM STREET, ST	imit		23.0	15.0	6.0-9.0		<u> </u>	50	6.0-9.0	144	14.7
Monitoring Location(s)	Sample Date	Discharges from non- hazardous waste landfills	BOD ₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Benzoic Acid	p-Cresol	Phenol	Zinc, Total	pН
No Loc		e la	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	s.u.
002	Jul-Sep 2020	Discharges from azardous waste l	lo Discharg	No Discharg	No Discharge	lo Discharg	No Discharg	lo Discharg	No Discharg	lo Discharg	lo Disch
002	11/16/20	ige:	ND (2.0)	20.0	0.0250	ND(0.011)	ND(0.065)	ND(0.011)	ND(0.011)	0.019	7.6
002	02/01/21	cha	3.9	440.0	0.2700	ND(0.0099)	ND(0.060)	ND(0.0099)	ND(0.0099)	0.110	7.7
002	03/09/21	Dis		50.0							
		2									
	imit		140	88	10	0.033	0.12	0.025	0.026	0.20	6.0-9.
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	BOD₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Aniline	Benzoic Acid	Naphth- alene	p-Cresol	Pheno
§ S		s fr s wa IIs	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Discharges from hazardous waste landfills									
		scha zaro la									
		Dis haz							1.00		
Pandaran Pandaran	imit		220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
D €			, , , , , , , , , , , , , , , , , , ,	Arsenic,	Chromium,		U.O.E.	0.110	0.000	January	i votr
Monitorin Location(s	Sample Date	Ste	Pyridine	Total	Total	Zinc, Total	pН				
Mor		Discharges from hazardous waste landfills	mg/L	mg/L	mg/L	mg/L	s.u.				
		narges fr rdous wa andfills									
		SC 29.70 29.70 19.									
						7	1				
		Dig hag									

ATTACHMENT LABORATORY REPORTS





Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Denver 4955 Yarrow Street Arvada, CO 80002 Tel: (303)736-0100

Laboratory Job ID: 280-145184-1 Client Project/Site: Coffin Butte

Revision: 1

For:

Republic Services Inc 28972 Coffin Butte Rd Corvallis, Oregon 97330

Attn: Ian Macnab

Savidle Hamigran

Authorized for release by: 3/9/2021 12:44:09 PM

Danielle Harrington, Project Manager II (303)736-0176
Danielle.Harrington@Eurofinset.com

.....LINKS

Review your project results through

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Table of Contents





















Definitions/Glossary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-145184-1







GC/MS Semi VOA

Qualifier Qualifier Description

S1- Surrogate recovery exceeds control limits, low biased.

Metals

LOQ

Qualifier Qualifier Description

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier Qualifier Description

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary		1
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL.	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Quantitation (DoD/DOE)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-145184-1

4













rejectore. Comm Barro

Job ID: 280-145184-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: Republic Services Inc

Project: Coffin Butte

Report Number: 280-145184-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 2/3/2021. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8° C.

Please note, the Oil & Grease analysis Method 1664A was requested on the chain of custody. However, a full 1 L sulfuric preserved amber bottle is required for analysis and this volume was not received. The analysis was performed using one of the 1 liter unpreserved amber bottles.

GC/MS SEMIVOLATILES - Method 625

Surrogate Nitrobenzene-d5 for method 625 was recovered outside the QC limits in sample 2.1.21.CB.002. All other surrogate recoveries were within QC limits. EPA surrogate guidelines for GC/MS SVOA is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater. As sample analysis met these criteria, corrective action is deemed unnecessary.

Surrogate Nitrobenzene-d5 and 2-Fluorophenol for method 625 was recovered outside the QC limits in sample 2.1.21.CB.001. All other surrogate recoveries were within QC limits. EPA surrogate guidelines for GC/MS SVOA is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater. As sample analysis met these criteria, corrective action is deemed unnecessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP) - Method 200.7

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GENERAL CHEMISTRY - Various

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

REVISION

Per client request the 1664A Oil and Grease analysis was cancelled.

Detection Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-145184-1

Lab Sample ID: 280-145184-1

Analyte	Result Quali	fier RL	MDL.	Unit	Dil Fac	D	Method	Prep Type
Zinc	7.4 J	20	4.5	ug/L	1		200.7 Rev 4.4	Total/NA
Total Suspended Solids	15	4.0	1.1	mg/L	1		SM 2540D	Total/NA
pH adj. to 25 deg C	8.0 HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.8 HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: 2.1.21.CB.002 Lab Sample ID: 280-145184-2

— Analyte	Result	Qualifier	RL.	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	110		20	4.5	ug/L	1		200.7 Rev 4.4	Total/NA
Ammonia as N	0.27		0.10	0.022	mg/L	1		350.1	Total/NA
Total Suspended Solids	440		20	5.5	mg/L	1		SM 2540D	Total/NA
pH adj. to 25 deg C	7.7	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.8	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA











(8)











Method Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-145184-1

Method	Method Description	Protocol	Laboratory
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL DEN
200.7 Rev 4.4	Metals (ICP)	EPA	TAL DEN
350.1	Nitrogen, Ammonia	MCAWW	TAL DEN
M 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN
M 4500 H+ B	pH	SM	TAL DEN
00.7	Preparation, Total Metals	EPA	TAL DEN
25	Liquid-Liquid Extraction	40CFR136A	TAL DEN

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



/s |



















Sample Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-145184-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-145184-1	2.1.21.CB.001	Water	02/01/21 10:27	02/03/21 09:10	
280-145184-2	2.1.21.CB.002	Water	02/01/21 10:51	02/03/21 09:10	

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Client Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Client Sample ID: 2.1.21.CB.001

Job ID: 280-145184-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: 2.1.21.C Date Collected: 02/01/21 1 Date Received: 02/03/21 0	0:27					Lab Sam	ple ID: 280-14 Matrix	15184-1 : Water
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Cresol	ND	9.9	0.25	ug/L		02/08/21 14:53	02/12/21 20:09	1
Alpha-Terpineol	ND	9.9	2.0	ug/L		02/08/21 14:53	02/12/21 20:09	1
Benzoic acid	ND	59	99	ua/l		02/08/21 14:53	02/12/21 20:00	4

Phenol	ND		9.9	2.0 ug/L	02/08/21 14:53	02/12/21 20:09	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72	***************************************	16 - 147		02/08/21 14:53	02/12/21 20:09	1
2-Fluorobiphenyl	38	S1-	43 - 120		02/08/21 14:53	02/12/21 20:09	1
2-Fluorophenol	38		16 - 136		02/08/21 14:53	02/12/21 20:09	1
Nitrobenzene-d5	38	S1-	52 - 120		02/08/21 14:53	02/12/21 20:09	1
Phenol-d5	48		11 - 145		02/08/21 14:53	02/12/21 20:09	1
Terphenyl-d14	30		10 - 145		02/08/21 14:53	02/12/21 20:09	1

Client Sample ID: 2.1.21.CB.002	Lab Sample ID: 280-145184-2
Date Collected: 02/01/21 10:51	Matrix: Water
Date Received: 02/03/21 09:10	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Cresol	ND		9.9	0.25	ug/L	_	02/08/21 14:53	02/12/21 20:34	1
Alpha-Terpineol	ND		9.9	2.0	ug/L		02/08/21 14:53	02/12/21 20:34	1
Benzoic acid	ND		60	9.9	ug/L		02/08/21 14:53	02/12/21 20:34	1
Phenol	ND		9.9	2.0	ug/L		02/08/21 14:53	02/12/21 20:34	1

Surrogate	%Recovery Qualif.	ier Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79	16-147	02/08/21 14:53	02/12/21 20:34	
2-Fluorobiphenyl	46	43 - 120	02/08/21 14:53	02/12/21 20:34	1
2-Fluorophenol	39	16 - 136	02/08/21 14:53	02/12/21 20:34	1
Nitrobenzene-d5	42 S1-	52 - 120	02/08/21 14:53	02/12/21 20:34	1
Phenol-d5	44	11 - 145	02/08/21 14:53	02/12/21 20:34	1
Terphenyl-d14	19	10 - 145	02/08/21 14:53	02/12/21 20:34	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Client Sample ID: 2.1.21.CB.001 Date Collected: 02/01/21 10:27						Lab Sam	ple ID: 280-14 Matrix	5184-1 : Water
Date Received: 02/03/21 09:10 Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	7.4 J	20	4.5	ug/L	•	02/09/21 08:24	02/10/21 16:19	1

Date Collected: 02/01/21 10:51							Lab Sam	ple ID: 280-14 Matrix	15184-2 : Water
Date Received: 02/03/21 09:10									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	110		20	4.5	ug/L	 	02/09/21 08:24	02/10/21 16:22	1

General Chemistry

Client Sample ID: 2.1.21.CB.001 Date Collected: 02/01/21 10:27							Lab Sam	ple ID: 280-14 Matrix	5184-1 : Water
Date Received: 02/03/21 09:10									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			02/05/21 15:13	1

Client Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-145184-1

Matrix: Water

Lab Sample ID: 280-145184-1



























General	Chemistry ((Continued)

Client Sample ID: 2.1.21.CB.001
Date Collected: 02/01/21 10:27
D-4- D

	Date Received: 02/03/21 09:10						_		A 1	DU
١	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ļ	Total Suspended Solids	15		4.0	1.1	mg/L			02/04/21 16:16	1
l	pH adj. to 25 deg C	8.0	HF	0.1	0.1	SU			02/04/21 12:34	1
-	Temperature	21.8	HF	1.0	1.0	Degrees C			02/04/21 12:34	1

Lab Sample ID: 280-145184-2 Client Sample ID: 2.1.21.CB.002 Matrix: Water Date Collected: 02/01/21 10:51 Date Received: 02/03/21 09:10

Date Received. 02/03/21 03.10									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.27		0.10	0.022	mg/L			02/05/21 15:15	1
Total Suspended Solids	440		20	5.5	mg/L			02/04/21 16:16	1
pH adj. to 25 deg C	7.7	HF	0.1	0.1	SU			02/04/21 12:38	1
Temperature	21.8	HF	1.0	1.0	Degrees C			02/04/21 12:38	1

Surrogate Summary

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-145184-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL.	TPHL		
Lab Sample ID	Client Sample ID	(16-147)	(43-120)	(16-136)	(52-120)	(11-145)	(10-145)		
280-145184-1	2.1.21.CB.001	72	38 S1-	38	38 S1-	48	30		
280-145184-2	2.1.21.CB.002	79	46	39	42 S1-	44	19		
LCS 280-525696/2-A	Lab Control Sample	82	64	62	66	65	86		
LCSD 280-525696/3-A	Lab Control Sample Dup	85	66	56	61	60	91		
MB 280-525696/1-A	Method Blank	85	72	71	74	72	92		

Surrogate	Legend
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TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

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QC Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-145184-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-525696/1-A

Matrix: Water

Client Sample ID: Method Blank
Prep Type: Total/NA

Proposition Formula (Inc.)

Proposition F

Analysis Batch: 526171 Prep Batch: 525696

il Fac
1
1
1
1

	MB	мв				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85	*****	16 - 147	02/08/21 14:53	02/12/21 18:02	1
2-Fluorobiphenyl	72		43 - 120	02/08/21 14:53	02/12/21 18:02	1
2-Fluorophenol	71		16 - 136	02/08/21 14:53	02/12/21 18:02	1
Nitrobenzene-d5	74		52 - 120	02/08/21 14:53	02/12/21 18:02	1
Phenol-d5	72		11 - 145	02/08/21 14:53	02/12/21 18:02	1
Terphenyl-d14	92		10 - 145	02/08/21 14:53	02/12/21 18:02	1

Lab Sample ID: LCS 280-525696/2-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Analysis Batch: 526171 Prep Batch: 525696

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
p-Cresol	80.0	57.6		ug/L		72	51 - 111	
Benzoic acid	80.0	82.9		ug/L		104	28 - 120	
Phenol	80.0	53.0		ug/L		66	10 - 112	

LCS	LCS												
%Recovery	Qualifier	Limits											
82		16 - 147											
64		43 - 120											
62		16 - 136											
66		52 - 120							,				
65		11 - 145											
86		10-145											
	%Recovery 82 64 62 66 65	82 64 62 66 65	%Recovery Qualifier Limits 82 16-147 64 43-120 62 16-136 66 52-120 65 11-145	%Recovery Qualifier Limits 62 16 - 147 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 82 16 - 147 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 82 16 - 147 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 82 16 - 147 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145	%Recovery Qualifier Limits 82 16 - 147 64 43 - 120 62 16 - 136 66 52 - 120 65 11 - 145

Lab Sample ID: LCSD 280-525696/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Water Prep Type: Total/NA Analysis Batch: 526171 Prep Batch: 525696

ı	/ maryolo Datom 020 m .	Spike	LCSD	LCSD				%Rec.		RPD	
-	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
	p-Cresol	80.0	57.3		ug/L		72	51 - 111	1	39	
	Benzoic acid	80.0	73.3		ug/L		92	28 - 120	12	30	
	Phenol	80.0	49.8		ug/L		62	10 - 112	6	30	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol	85		16 - 147
2-Fluorobiphenyl	66		43 - 120
2-Fluorophenol	56		16 - 136
Nitrobenzene-d5	61		52 - 120
Phenol-d5	60		11 - 145
Terphenyl-d14	91		10 - 145

Page 11 of 16

Client: Republic Services Inc Project/Site: Coffin Butte

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-525744/1-A Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA Analysis Batch: 526055

Prep Batch: 525744 MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Zinc ND 20 4.5 ug/L 02/09/21 08:24 02/10/21 15:39

Lab Sample ID: LCS 280-525744/2-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA Analysis Batch: 526055

Prep Batch: 525744 Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Zinc 500 472 ug/L 94 85 - 111

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-525583/57 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA Analysis Batch: 525583

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Ammonia as N ND 0.10 0.022 mg/L 02/05/21 14:42

Lab Sample ID: LCS 280-525583/56 Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Analysis Batch: 525583 Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits Ammonia as N 2.35 mg/L 94 90 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-525478/1 Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA

Analysis Batch: 525478

MB MB Result Qualifier RL MDL Unit Prepared Dil Fac Analyzed Total Suspended Solids ND 4.0 1.1 mg/L 02/04/21 16:16

Lab Sample ID: LCS 280-525478/2 Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Analysis Batch: 525478

Spike LCS LCS %Rec. Added Result Qualifier Unit %Rec Limits Total Suspended Solids 100 105 105 mg/L 79 - 114

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-525484/4 Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Analysis Batch: 525484

Spike LCS LCS %Rec. Added Result Qualifier Unit Limits D %Rec pH adj. to 25 deg C 7.00 7.0 SU 100 99 - 101

QC Association Summary

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-145184-1

GC/MS Semi VOA

Prep	Batch:	525696
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Lab Sample ID	Client Sample ID	Prep Type Total/NA	Matrix Water	Method 625	Prep Batch
280-145184-1 280-145184-2	2.1.21.CB.001 2.1.21.CB.002	Total/NA	Water	625	
MB 280-525696/1-A	Method Blank	Total/NA	Water	625	
LCS 280-525696/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 280-525696/3-A	Lab Control Sample Dup	Total/NA	Water	625	



Analysis Batch: 526171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-145184-1	2.1.21.CB.001	Total/NA	Water	625	525696
280-145184-2	2.1.21.CB.002	Total/NA	Water	625	525696
MB 280-525696/1-A	Method Blank	Total/NA	Water	625	525696
LCS 280-525696/2-A	Lab Control Sample	Total/NA	Water	625	525696
LCSD 280-525696/3-A	Lab Control Sample Dup	Total/NA	Water	625	525696
L					



Metals

Prep Batch: 525744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-145184-1	2.1.21.CB.001	Total/NA	Water	200.7	
280-145184-2	2.1.21.CB.002	Total/NA	Water	200.7	
MB 280-525744/1-A	Method Blank	Total/NA	Water	200.7	
LCS 280-525744/2-A	Lab Control Sample	Total/NA	Water	200.7	



Analysis Batch: 526055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-145184-1	2.1.21.CB.001	Total/NA	Water	200.7 Rev 4.4	525744
280-145184-2	2.1.21.CB.002	Total/NA	Water	200.7 Rev 4.4	525744
MB 280-525744/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	525744
LCS 280-525744/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	525744

General Chemistry Analysis Batch: 525478

Lab Sample ID 280-145184-1	Client Sample ID 2.1.21.CB.001	Prep Type Total/NA	Matrix Water	Method SM 2540D	Prep Batch
280-145184-2	2.1.21.CB.002	Total/NA	Water	SM 2540D	
MB 280-525478/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-525478/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 525484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-145184-1	2.1.21.CB.001	Total/NA	Water	SM 4500 H+ B	
280-145184-2	2.1.21.CB.002	Total/NA	Water	SM 4500 H+ B	
LCS 280-525484/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 525583

_ Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-145184-1	2.1.21.CB.001	Total/NA	Water	350.1	
280-145184-2	2.1.21.CB.002	Total/NA	Water	350.1	
MB 280-525583/57	Method Blank	Total/NA	Water	350.1	
LCS 280-525583/56	Lab Control Sample	Total/NA	Water	350.1	

Lab Chronicle

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-145184-1

Client Sample ID: 2.1.21.CB.001 Lab Sample ID: 280-145184-1 Date Collected: 02/01/21 10:27

Matrix: Water

Date Received: 02/03/21 09:10

Analysis

Client Sample ID: 2.1.21.CB.002

SM 4500 H+ B

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	625			1013.8 mL	1 mL	525696	02/08/21 14:53	JNM	TAL DEN
Total/NA	Analysis	625		1			526171	02/12/21 20:09	AJE	TAL DEN
Total/NA	Prep	200.7			50 mL	50 mL	525744	02/09/21 08:24	MAB	TAL DEN
Total/NA	Analysis	200.7 Rev 4.4		1			526055	02/10/21 16:19	LMT	TAL DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	525583	02/05/21 15:13	BWH	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	525478	02/04/21 16:16	JMH	TAL DEN

1

Lab Sample ID: 280-145184-2

TAL DEN

02/04/21 12:34 QJB

525484

Date Collected: 02/01/21 10:51 Matrix: Water

Date Received: 02/03/21 09:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	625			1006.7 mL	1 mL	525696	02/08/21 14:53	JNM	TAL DEN
Total/NA	Analysis	625		1			526171	02/12/21 20:34	AJE	TAL DEN
Total/NA	Prep	200.7			50 mL	50 mL	525744	02/09/21 08:24	MAB	TAL DEN
Total/NA	Analysis	200.7 Rev 4.4		1			526055	02/10/21 16:22	LMT	TAL DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	525583	02/05/21 15:15	BWH	TAL DEN
Total/NA	Analysis	SM 2540D		1	50 mL	250 mL	525478	02/04/21 16:16	JMH	TAL DEN
Total/NA	Analysis	SM 4500 H+ B		1			525484	02/04/21 12:38	QJB	TAL DEN

Laboratory References:

Total/NA

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100







A Yes A No Custody Seal No.: 17295 L	J	Reinquished by:	Relinquished by	Empty Kit Kelinquished by:	(apacity)	Deliverable Requested:	Identification							L. 1.21.CB -002	2.1.21.CB.001			Sample Identification	Coffin Butte	921711; Vailey Landfill	pcaruso@republicservices.com Project Name:	541-745-5792(Tel) Emair:	OR, 97330 Phone:	Corvailis	City:	Address:	Company: Republic Services Inc	Phil Caruso	Client Information	4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Fax (303) 431-7171	Eurofins TestAmerica Denver
	Date/Time:	Date/Tirke:		Date:		Poison B Unknown Radiological]						_	10:51	2/1/21 10:27 /	Ľ	Sample Date Time G=grab	Sample	SSOW#:	Project #: 28017984	490	FG #		nequested (days):	7.70	Due Date Requested:		Phone:	Sampler C. 1	Chain of Cu	
Cooler Tem	Company Received by:	Company Received by	Company Received by	Time:									 	Water	< <	X D Z	Fig.	Sanold, Matrix Matrix Sanold, Fiftered 2.7 -Total 2	nc I	e e	(45)	(o)	27				danielle.harrington@testamericainc.com	E-Mail:	Lab PM:	Chain of Custody Record	
Cooler Temperature(s) °C and Other Remarks:				Method of Shipment	Require	Return To Client Disposal By Lab	osal (A fee may be assessed if sam			280-145184			> × ×	>	\ \ \	D Z	SM 625 Tot pH	64A_Calc -C 5210B_BO0 6 al Copper f monia r				ved Ox	/gen			Analysis Requested	estamericainc.com			#280	
0 かるの いこくい	Date/Time: Company	Date/Firme: Company	5 5 7 7 8 8 1	ipment		Archive For Months	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			280-145184 Chain of Custody					1 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	Special Handeronismole:		al Number	Other:		1- Ice	:	C - Zn Acelate O - AsNaO2 D - Nitric Acrd P - Na2503 E - NaHSO4 O - Na2503		ation Coc	30b #:	Page 1 of 1			eurofins Environment Testing	

Login Sample Receipt Checklist

Client: Republic Services Inc Job Number: 280-145184-1

Login Number: 145184 List Number: 1

Creator: Dubicki, Adam L

List Source: Eurofins TestAmerica, Denver

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	























TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Coffin Butte Landfill/Valley LF,Inc./ lan

28972 Coffin Butte Rd.

Corvallis, OR 97330

2/8/2021

COFBUT

PO#:

Collection Information

Phil

Date: 2/1/2021 Time: 1027

Lab #: Location:

By:

20210201-044 Coffin Butte 001 **Lab Receipt Information**

2/1/2021 1144 MN

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

						Analy	sis
Analyte	Method	Acc* Results	Qual	MRL	Units	Date Time	Tech
BOD	SM5210 B	ND		2.	mg/l	2/8/2021	0953 AS

ND- No Detection at @ MRL
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
MRL-"Method Reporting Limit"
* Accreditation
A- Waterlab Corporation, ORELAP 100039

The results relate only to the parameters tested or to the sample as received by the laboratory.

This report shall not be reproduced except in full, without the written approval of Waterlab Corporation.

BOD Date /Time started/Tech 2/2/21 1533 AS

Approved by: _

Stit E. Myers
Page 1 of 1



TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Coffin Butte Landfill/Valley LF,Inc./ lan

2/8/2021

28972 Coffin Butte Rd. Corvallis, OR 97330

COFBUT

PO#:

Collection Information

Lab Receipt Information

Date: 2/1/2021 Time: 1051 By: Phil 2/1/2021 1144 MN

Lab #: 20210201-045 Location: Coffin Butte 002

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

						Analysis	3
Analyte	Method	Acc* Results	Qual	MRL	Units	Date Time	Tech
BOD	SM5210 B	3.9		2.	mg/l	2/8/2021 09	53 AS

ND- No Detection at @ MRL
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
MRL-"Method Reporting Limit"

* Accreditation
A- Waterlab Corporation, ORELAP 100039
The results relate only to the parameters tested or to the sample as received by
the laboratory.

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BOD Date /Time started/Tech 2/2/21 1533 AS

Approved by: _

Page 1 of 1

Settle 5. Myens



Burlington, WA Corporate Laboratory (a) 1620 S Watnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400

Bellingham, WA Microbiology (b) 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c) 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR Microbiology (e) 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name:

System ID Number: Source Number:

> Multiple Sources: Sample Type:

Sample Purpose: Investigative or Other

Sample Location: Coffin Butte

County:

Reference Number: 21-03440

Project: Stormwater

Sample Number: 02.01.21 CB.001

Lab Number: 21_06525

Collect Date: 2/1/21 10:27

Date Received: 2/1/21 Report Date: 2/3/21

Sampled By: Phil Caruso Prep Date: 2/1/21 17:04

Approved by: rap

Authorized by:

James Luller Sarah P Miller Lab Manager, Corvallis

				Lab Manag	, , , , , , , , , , , , , , , , , , ,					
EPA#		RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
3014	Microbiology E. Coli	161	MPN/100ml	1		mdp	OR100009 d	SM9223 B.2.b/Colilert-18	02/02/21 11:15	
										•
									:	
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										. Account
							ī	:		
NOTES:										

NOTES: ND (Not Detected): indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

* Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.

If you have any questions concerning this report contact us at the above phone number. FORM: BACT_NUM_OR



Burlington, WA Corporate Laboratory (a) 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400 Bellingham, WA Microbiology (b) 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c) 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503,682,7802

Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blvd, Ste 130 - Corvalis, OR 97330 - 541.753.4946

Bend, OR Microbiology (e) 20332 Empire Bivd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name: System ID Number: Source Number: Multiple Sources: Sample Type:

Sample Purpose: Investigative or Other

Sample Location: Coffin Butte

County:

Reference Number: 21-03440

Project: Stormwater

Sample Number: 02.01.21 CB.002

Lab Number: 21_06526 Collect Date: 2/1/21 10:51 Date Received: 2/1/21

Report Date: 2/3/21 Sampled By: Phil Caruso Prep Date: 2/1/21 17:04

Approved by: rap

Authorized by:

Sarah P Miller Lab Manager, Corvallis

James Miller

					·		·		3-1,	
EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
3014	Microbiology E. Coli	517	MPN/100mL	1	TANKS OF THE PROPERTY OF THE P	mdp	OR100009 d	SM9223 B.2.b/Colilert-18	02/02/21 11:15	
					TO A SALE OF THE S					
									magaza	
						7				
NOTES:								No. dept		

 $\underline{\mathsf{NOTES}}_{\mathsf{ND}}.$ ND (Not Detected): indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

* Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.



Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Denver 4955 Yarrow Street Arvada, CO 80002 Tel: (303)736-0100

Laboratory Job ID: 280-146191-1 Client Project/Site: Coffin Butte

For:

Republic Services Inc 28972 Coffin Butte Rd Corvallis, Oregon 97330

Attn: Ian Macnab

Authorized for release by:

3/12/2021 3:04:16 PM

Danielle Harrington, Project Manager II (303)736-0176
Danielle.Harrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at: www.eurofinsus.com/Env The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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13

Laboratory Job ID: 280-146191-1

Client: Republic Services Inc Project/Site: Coffin Butte

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Client Sample Results	8
QC Sample Results	9
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Chronicle	11
Chain of Custody	12
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Definitions/Glossary

Client: Republic Services Inc Project/Site: Coffin Butte

TEQ

TNTC

Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Job ID: 280-146191-1

4 4	Sales Sales
1-1	

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Case Narrative

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-146191-1

<u>/</u>















Job ID: 280-146191-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: Republic Services Inc

Project: Coffin Butte

Report Number: 280-146191-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The sample was received on 3/10/2021. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3° C.

TOTAL SUSPENDED SOLIDS

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-146191-1

Lab	Sample	ID:	280-1	46191-1

Analyte	Result	Qualifier	RL.	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	50		4.0	1.1	mg/L	1	_	SM 2540D	Total/NA

















Method Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-146191-1





Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

















Sample Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-146191-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-146191-1	3.9.21.CB.002	Water	03/09/21 09:08	03/10/21 10:10	

















Client Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-146191-1

General Chemistry

Total Suspended Solids

Client Sample ID: 3.9.21.CB.002 Date Collected: 03/09/21 09:08

Lab Sample ID: 280-146191-1

Matrix: Water

Date Received: 03/10/21 10:10 Analyte

Prepared Analyzed Dil Fac Result Qualifier RL MDL Unit 50 4.0 1.1 mg/L 03/11/21 13:39



QC Sample Results

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-146191-1

Method: SM 2540D - Solids, Total Suspended (TSS

Lab Sample ID: MB 280-528833/1

Matrix: Water

Client Sample ID: Method Blank
Prep Type: Total/NA

Analysis Batch: 528833

Lab Sample ID: LCS 280-528833/2

Matrix: Water

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 528833

 Analyte
 Added
 Result Total Suspended Solids
 Qualifier Total Suspended Solids
 Unit Total Suspended Solids
 Description
 Whee Suspended Solids
 Whee Suspe

Lab Sample ID: 280-146191-1 DU

Matrix: Water

Analysis Batch: 528833

Sample Sample DU DU

Client Sample ID: 3.9.21.CB.002

Prep Type: Total/NA

RPD

AnalyteResult
Total Suspended SolidsResult
50Qualifier
49.2Unit
mg/LDRPDLimit
2

QC Association Summary

Client: Republic Services Inc Project/Site: Coffin Butte Job ID: 280-146191-1

General Chemistry

Analysis Batch: 528833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-146191-1	3.9.21.CB.002	Total/NA	Water	SM 2540D	
MB 280-528833/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-528833/2	Lab Control Sample	Total/NA	Water	SM 2540D	
280-146191-1 DU	3.9.21.CB.002	Total/NA	Water	SM 2540D	























Lab Chronicle

Client: Republic Services Inc Project/Site: Coffin Butte

Job ID: 280-146191-1

Client Sample ID: 3.9.21.CB.002

Date Collected: 03/09/21 09:08

Lab Sample ID: 280-146191-1

Matrix: Water

Date Received: 03/10/21 10:10

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
İ	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	528833	03/11/21 13:39	LEB	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100











12

Login Sample Receipt Checklist

Client: Republic Services Inc Job Number: 280-146191-1

Login Number: 146191

List Number: 1

Creator: O'Hara, Jake F

Liet Course	Eurofina	TestAmerica.	Danie
LIST Source.	Luioillis	restanienca.	Deliver

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



























TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Republic Services Corvallis ATTEN. Phil and Ian

2/23/2021

28972 Coffin Butte Rd Corvallis, OR 97330

REPSERCOR

PO#:

Collection Information

Lab Receipt Information

Date: 2/18/2021 Time: 1050 Phil By:

2/18/2021 14106 МН

Lab #: Location:

the laboratory.

20210218-028 outfall 002

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

						Analysis	
Analyte	Method	Acc* Results	Qual	MRL		Date Time	Tech
BOD	SM5210 B	ND		2.	mg/l	2/23/2021 153	0 AS

ND- No Detection at @ MRL SM-"Standard Methods for the Examination of Water & Wastewater",19th ed EPA- "Methods for Chemical Analysis for Water and Wastes", USEPA MRL-"Method Reporting Limit" * Accreditation A- Waterlab Corporation, ORELAP 100039 The results relate only to the parameters tested or to the sample as received by

This report shall not be reproduced except in full, without the written approval of Waterlab Corporation. BOD Date /Time started/Tech 2/18/21 1530 AS

Page 1 of 1 Approved by: _



TEST REPORT

2603 - 12th Street, SE Salem, OR 97302 Voice: (503) 363-0473 FAX: (503) 363-8900

TO: Republic Services Corvallis ATTEN. Phil and lan

2/23/2021

28972 Coffin Butte Rd Corvallis, OR 97330

REPSERCOR

PO#:

Collection Information

Lab Receipt Information

Date: 2/18/2021 Time: 1034 By: Phil 2/18/2021 14106 MH

Lab #: 20210218-027 Location: outfall 001

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

						Analy	sis ·	
Analyte	Method	Acc* Results	•	MRL	Units	Date Time		ech
BOD	SM5210 B	ND	2)	mg/l	2/23/2021	1530	AS

ND- No Detection at @ MRL SM-"Standard Methods for the Examination of Water & Wastewater",19th ed EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA MRL-"Method Reporting Limit"

* Accreditation
A- Waterlab Corporation, ORELAP 100039
The results relate only to the parameters tested or to the sample as received by the laboratory.

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BOD Date /Time started/Tech 2/18/21 1530 AS

Approved by: _

Page 1 of 1

Setti E. Myers



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Corvallis, OR Microbiology/Chemistry (d) 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)* 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name:

System ID Number: Source Number: Multiple Sources:

Sample Type:

Sample Purpose: Investigative or Other

Sample Location: Outfall 001

County:

Reference Number: 21-05770

Project: Stormwater

Sample Number: 2.18.21.CB.001

Lab Number: 21 11268 Collect Date: 2/18/21 10:34

Date Received: 2/18/21 Report Date: 2/19/21

Sampled By: Phil Caruso Prep Date: 2/18/21 16:28

Approved by: mdp

Authorized by:

Janual Miller Sarah P Miller Lab Manager, Corvallis

EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
2920	Microbiology TOTAL COLIFORM	>2419	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Colilert-18	02/19/21 10:56	
3014	E. Coli	43	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Colilert-18	02/19/21 10:56	
										:
				Name of the Park						
									:	
										:
			To Address							

NOTES: ND (Not Detected): indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

• Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.

If you have any questions concerning this report contact us at the above phone number. FORM: BACT_NUM_OR



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Bend, OR *Microbiology (e)* 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

DATA REPORT

Client Name: Republic Services

28972 Coffin Butte Rd Corvallis, OR 97330

System Name: System ID Number: Source Number: Multiple Sources: Sample Type:

Sample Purpose: Investigative or Other

Sample Location: Outfall 002

County:

Reference Number: 21-05770

Project: Stormwater

Sample Number: 2.18.21.CB.002 Lab Number: 21_11269 Collect Date: 2/18/21 10:50 Date Received: 2/18/21 Report Date: 2/19/21

Sampled By: Phil Caruso Prep Date: 2/18/21 16:28

Approved by: mdp

Authorized by:

Sarah P Miller Lab Manager, Corvallis

Janua Ruller

				T				Lab Manag	, ,	
EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
2920	Microbiology TOTAL COLIFORM	478	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Colilert-18	02/19/21 10:56	
3014	E. Coli	39	MPN/100mL	1		rap	OR100009 d		02/19/21 10:56	
										ı
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NOTES:

ND (Not Detected): indicates that the parameter was not detected above the Limit of Detection (LOD).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA. A blank MCL value indicates a level is not currently established.

* Lab Code - lists the laborstory accreditation code plus a letter at the far right to indicate the Edge Analytical lab facility where the analyses was performed.

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10												
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FORM; COC 01-06-2011								CHAIN OF	CUSTODY &	CHAIN OF CUSTODY & LABELS AGREE	REE	

•



Valley Landfills, Inc. Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 (541) 745-5792

PH CALIBRATION LOG

ROUTINE PH METER CALIBRATION CHECK

Calibrate 1-2 hours prior to use FREQUENCY:

Hach H138 miniLab Pro

INSTRUMENT:

Accuracy = +/- 0.1 pH units

SERIAL NUMBER: 16326011

Observed pH Calibration Expected 7.0 Buffer 3 Expiration 12/21 Buffer 3 10.0 Buffer 2 Expiration 4/21 Buffer 2 4.0 Signature: **Buffer 1 Expiration** 3/22 9775 Buffer 1 7.0 Name Collector/ Analyzer: DATE Time Calibrated:

7.0

OUTFALL NAME	TIME COLLECTED	TIME ANALYZED	PH OUTFALL	PH DUPLICATE	AVERAGE (M)	RPD %
001	10:27	(0:27	1.8 72	7.9	8.0	5.5
002	15:91	15:01	51 7.7	7.7	7.7	0.0
			•			VIII. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

M = (pH of sample A + pH of sample B) + 2

TUPPAN CONSULTANTS LLC

Geology Hydrogeology Environmental Consulting

May 6, 2021 Project VLI-001-001

Ms. Jill Seale Oregon Department of Environmental Quality Western Region 165 East 7th Avenue, Suite 100 Eugene, Oregon 97401

Re: Third Quarter 2020-21 Discharge Monitoring Report for Valley Landfills, Inc., Coffin Butte Landfill: File Number 104176

Dear Jill:

Attached is the Quarterly Discharge Monitoring Report (DMR) for the Coffin Butte Landfill, in Corvallis, Oregon, owned by Valley Landfill, Inc. (VLI). Data is for the third reporting quarter, January 1 through March 31, 2021. Samples were tested and reported for statewide benchmark parameters (several are waived), impairment pollutants, and effluent limits.

For the February 1, 2021 sampling event at sampling point 001, the total suspended solids (TSS) concentration exceeded the numeric effluent limit of 88 mg/L. The sampling point was resampled on March 9, 2021 and the concentration was below the limit at 50 mg/L; no further sampling was therefore required. As part of the exceedance of the benchmark, a Tier I was also completed. Please note that the site will be undergoing Tier II corrective actions for exceedance of E. coli last year, and the proposed measures should reduce the potential for future TSS exceedances.

An electronic version of this report was submitted by e-mail for your records.

If you have any questions about this information, please call me or the site contact, who is Ian Macnab at (541) 230-5543.

Sincerely,

TUPPAN CONSULTAMTS LLC

Eric J. Tuppan, R.G.

Project Manager

RECEIVED

MAY 1 0 2021

WESTERN REGION EUGENE DEPT. OF ENVIRONMENTAL QUALITY

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

D = (0)

*2018 1200-Z permit, page 29

National Pollutant Discharge Elimination System Permit Industrial Stormwater Discharge General Permit

lonarimont of					y the 15th of Febru t contain the result	
monitori monitori	ng conducted durir	ng each quarter,	and variance requ	ests are due semi	i-annually, in Febru	ary and August.
your SWPCP. Y	ou must include th	e laboratory resi	ults, including min	imum detection lev	e monitoring locationel, Quality Assurar	ce/Quality Control
Facility Infor		meters analyzed	d. You must also s	submit pH field note	es and chain of cus	itody.
Legal name:	Coffin Butte Landfill			DEQ File No:	104176	
Common name:	Coffin Butte Landfill			EPA#:	ORR501175	
Facility address:	28972 Coffin Butte	Rd.	-	Reporting Quarter:	☐ 1st ☐ 2nd ☐ 3r	rd ☑ 4th table 6
Facility City, Zip:	Corvallis, 97330			Reporting Year:	2020 to 2021	·
Geo-Region:	☐ Columbia Slough	☐ Columbia River	☐ Portland Harbor	☑ Regional	Administrated by:	
2nd Geo-Region	☐ Columbia Slough	☐ Columbia River	☐ Portland Harbor	Regional	☑ DEQ	☐ Clean Water Services
Primary	y SIC Code: 4953	Seconda	ry SIC Code: N/A		☐ City of Portland	☐ City of Eugene
Monitoring In	nformation					
lumber of dischar	rge point(s): 2		Nu	ımber of monitorin	g location(s): 2	
					rmwater to industrial nd maintained. (See	
Monitoring V	Vaiver(s) If yes	list date on DEC	or Agent approva	al letter.		
10/9/2018	<u>.</u>					
12/9/2019		1.0				
DMR Submit	tal Checklist	Please ch	eck all applicable	documents are inc	- luded with you DMI	R submittal:
☑ Original Signat	ture 🗌 Laborate	ory Reports	Chain of Custody	☐ QA/QC for	m Lab [☐ pH field sheets
Certification						
system designed to person or persons is, to the best of m	to assure that qualific who manage the sy	ed personnel prop stem, or those pe elief, true, accurate	erly gather and eva rsons directly respo e, and complete. I a	luate the information nsible for gathering m aware that there a	n submitted. Based or the information, the in tre significant penaltion	in accordance with a in my inquiry of the information submitted es for submitting false
Signature:	Sn	0		Date:	7/2	7 [2]
Printed Name:	Shawn Edmonds	horized Represen	tative	Title:	General Manager	
	Logary Mar		RECE	Email:	sedmonds@republic	cservices.com

AUG 02 2021

Telephone: (541) 286-8749

WESTERN REGION EUGENE General; Page 1 DEPT. OF ENVIRONMENTAL QUALITY

Rev. 2/10/2020



Department of Environmental

Quality

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

For official use only:

Legal Name: Coffin Butte Landfill

DEQ File No: 104176

Monitoring Location(s)	Sample Date	pН	Total						
Moi			Suspended Solids	Total Oil & Grease	Total Copper	Total Lead	Total Zinc	E. coli *	* E. coli is only required for landfills and sewage treatment plants.
		s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	counts/ 100 ml	
001	Jul-Sep 2020	W	W	W	No Discharge	W	W	No Discharge	
001	11/16/20	7.97	2.8	W	With W	W	ND (0.02)	866	
001	12/16/20	W	759 W 755	W	W	W	was was	44	
001	02/01/21	8	15	W	W	W	0.074	161	
001	02/18/21	W	W	W	W	W	W	43	
Geometri	L c Mean		W	W	W	VV	W	127	
002	Jul-Sep 2020	W	W	W	W	W	W	No Discharge	
002	11/16/20	7.61	20	W	W	W	0.019	1732	
002	12/16/20	W	w	W	W	W	W	2419	
002	02/01/21	7.7	440	W	W	W	0.11	517	
002	02/18/21	W	W	W	W	W	W	39	
002	03/09/21	delate) agistic	50		elentégggagane	71.7 ji ji ji ji ji ji ji ji ji ji ji ji ji		19/78/referendeligtere	
Geometri	c Mean		W.	W.E.	W	w.w	W	539	
							4.5		
	2008/04/06								
Geometri	c Mean								
Geometri	l c Mean								
Red	gional	5.5-9.0	100	10	0.020	0.015	0.12	406	



Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

State of Oregon Department of Environmental Quality

For official use only:

Legal Name: Coffin Butte Landfill

DEQ File No: 104176

	,		-	t Pollutants ar nent letter for				s)	
Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic. Total Recoverable	BOD ₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
Mol		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2020		n - 1		No Discharge				
001	11/16/20		10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Tel 10 Te		ND (2.0)				
001	12/16/20				ND (2.0)				
001	02/01/21				ND (2.0)		7.0		
001	02/18/21				ND (2.0)				
Geometi	ric Mean				1				
002	Jul-Sep 2020				No Discharge				
002	11/16/20				ND (2.0)	,			
002	12/16/20				ND (3.0)				
002	02/01/21				3.9				
002	02/18/21			70,0	ND (2.0)				
002	02/10/21			100	ND (2.0)				
Geomet	ric Mean	AMERICAN			2				
.0.00ex						The second secon			
						3			
									100
			17 - 17 - 17 - 17 - 17 - 17 - 17 - 17 -	and the					
Geomet	ric Mean								
			100						
				0.00			100		
							1 11 10 11		
Geomet	ric Mean								
	rment Ref. centration	0.003	1.0	0.34	30	See Letter	0.0024	0.000083	See Letter



Quality

Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

For official use only:

Legal Name:

DEQ File No: DEQ File No:

					idelines (tw nent letter f	• •	•		•		
Monitoring Location(s)	Sample Date	at	Total Suspended Solids	Total Oil & Grease	pН		gge	Total Suspended Solids	pН	a from cing	Ammoni as Nitroge
Mo		l iii	mg/L	mg/L	s.u.	mat Sen acili	als ≣ec	mg/L	s.u.	l Sei e	mg/L
		from faci				at (S E E			ng i	
		scharges from aspl emulsion facilities				Discharges from material storage piles at cement manufacturing facilities	Discharges from coal stora piles at Steam Electric Generating Facilities			Runoff containing urea from airfield pavement deicing	
		Disc				scha torac	haro illes Gen			noffic field	
			23.0	15.0	6.0-9.0		Disc	50	6.0-9.0	Rur	14.7
Monitoring Location(s)	Sample Date	Discharges from non- hazardous waste landfills	BOD₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Benzoic Acid	p-Cresol	Phenol	Zinc, Total	рН
Mor		om n te lar	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	s.u.
001	Jul-Sep 2020	s fri	lo Discharg	No Discharg	No Discharg	lo Discharg	No Discharg	No Discharg	lo Discharg	lo Discharg	lo Discha
001	11/16/20	irge US N	ND (2.0)	2.8	ND (0.10)	ND(0.010)	ND(0.063)	ND(0.010)	ND(0.010)	ND (0.02)	7.97
001	02/01/21	Discharges from azardous waste l	ND (2.0)	15	ND (0.10)	ND(0.0099)	ND(0.059)	ND(0.0099)	ND(0.0099)	0.0074	8
		Di haz		18241(2.5.03)							
L	lmit '	Torget European Billion services	140	88	10	0.033	0.12	0.025	0.026	0.20	6.0-9.0
Monitoring Location(s)	Sample Date	om iste	BOD ₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Aniline	Benzoic Acid	Naphth- alene	p-Cresol	Phenol
% %		es fr s wa ills	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		narges f rdous w landfills									
		Discharges from hazardous waste landfils									
			9670	00	40	0.040	0.004	0.440	0.0-0	0.004	0.040
	imit I		220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	rom aste	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pН				
ž S		Discharges from hazardous waste landfills	mg/L	mg/L	mg/L	mg/L	s.u.				
		char ardo Iant									
		Dis haz									
Accordance and Company of the Compan			一种企业主要的企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业	 Line State Statement and State State States 		 Language 4 (4) (4) (4) (4) (4) 	 Control of the control /li>	 A construction of the artificial and 			



Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

State of Oregon Department of Environmental Quality

For official use only: Legal Name:

DEQ File No: DEQ File No:

			o the perm		delines (twi		limit samp	ling requi	=		
Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	рН	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	рН	Runoff containing urea from airfield pavement deicing	Ammonia as Nitroge
Ľo №		n as XIIII	mg/L	mg/L	s.u.	Tallise Tallis		mg/L	s.u.	l je de	mg/L
		for				at c			100	ng l	
1 1 10		es Sion		4.5		s fro les urin	Tea ing				
		charges from asph emulsion facilities				G P G	es f	11.00		ont	
App.		sch				cha rag	harges from coal storilies at Steam Electric Generating Facilities] ed ed	
		D				Dis(sto	Sch Pile G			unc airfi	
L L	imit	-1, B 6-4.5	23.0	15.0	6.0-9.0		ă	50	6,0-9,0	R.	14.7
Monitoring Location(s)	Sample Date	Discharges from non- hazardous waste landfills	BOD₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Benzoic Acid	p-Cresol	Phenol	Zinc, Total	рН
Mo		т. е ј а	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	s.u.
002	Jul-Sep 2020	Discharges from azardous waste l	No Discharg	No Discharg	No Discharge	lo Discharg	lo Discharg	lo Discharg	No Discharg	lo Discharg	lo Dischar
002	11/16/20	yeg Yes	ND (2.0)	20.0	0.0250	ND(0.011)	ND(0.065)	ND(0.011)	ND(0.011)	0.019	7.6
002	02/01/21	Shair dou	3.9	440.0	0.2700	ND(0.0099)	ND(0.060)	ND(0.0099)	ND(0.0099)	0.110	7.7
002	03/09/21	Disc Izar		50.0							
186	1,000	72									
L. L	imit .		140	88	10	0.033	0.12	0.025	0.026	0.20	6.0-9.0
Monitoring Location(s)	Sample Date	om Iste	BOD ₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Aniline	Benzoic Acid	Naphth- alene	p-Cresol	Phenol
Mo		Discharges from hazardous waste landfills	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		harges l rdous w landfills									
		cha ard a									
		Dis haz									
								27.00			
4, 32.2.L	imit		220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	om ste	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pН				
Mor Loc		s wa s	mg/L	mg/L	mg/L	mg/L	s.u.	1			
		narges fr rdous we andfills									
		Discharges from hazardous waste landfills									
		Disi Zar			The state of						
	imit	position and other be-	0.072	* 41.1	1:1	0.535	6.0-9.0				

			,

	TITLE TO COMME NO ON THE PERSON

TUPPAN CONSULTANTS LLC

Geology Hydrogeology Environmental Consulting

July 30, 2021 Project VLI-001-001

Ms. Jill Seale Oregon Department of Environmental Quality Western Region 165 East 7th Avenue, Suite 100 Eugene, Oregon 97401

Re: Fourth Quarter 2020-21 Discharge Monitoring Report for Valley Landfills, Inc., Coffin Butte Landfill: File Number 104176

Dear Jill:

Attached is the Quarterly Discharge Monitoring Report (DMR) for the Coffin Butte Landfill, in Corvallis, Oregon, owned by Valley Landfill, Inc. (VLI). Information is for the fourth reporting quarter, April 1 through June 30, 2021. The facility had completed sampling for the January to June sampling period and, therefore, no additional samples were required in the fourth quarter.

An electronic version of this report was submitted by e-mail for your records.

If you have any questions about this information, please call me or the site contact, who is Ian Macnab at (541) 230-5543.

Sincerely,

TUPPAN CONSULTANTS LLC

Eric J. Tuppan, R.G.

Project Manager

Attachments: 4th Quarter 2020-21 DMR

cc: Ian Macnab; Republic Services (electronic copy)

Broc Kienholz; Republic Services, (electronic copy)

RECEIVED

AUG 02 2021

t 503 675 1335 | c 503 866 2551



Department of Environmental Quality Western Region Eugene Office

165 East 7th Avenue, Suite 100 Eugene, OR 97401 (541) 686-7838 FAX (541) 686-7551 TTY 711

May 17, 2021

Shawn Edmonds Valley Landfills, Inc. 28972 Coffin Butte Rd. Corvallis, OR 97330-9592 Issued by email: sedmonds@republicservices.com imacnab@republicservices.com

RE: Reissuance NPDES Permit Number 1200-Z

File Number: 104176 EPA Number: ORR501175

Facility: Coffin Butte Landfill, 29175 Coffin Butte Rd, Corvallis

Benton County SIC Code(s): 4953

Dear Permit Registrant,

The Oregon Department of Environmental Quality (DEQ) has reissued the 1200-Z, effective July 1, 2021. Attached is your revised monitoring requirements under the reissued permit, starting July, 1, 2021. All monitoring waivers expire on July 1, 2021. Please review the information closely. If you identify any discrepancies in the tables, please contact me as soon as possible.

It is your responsibility to comply with the new permit conditions and monitoring requirements starting July 1, 2021. DEQ will be transitioning to electronic Discharge Monitoring Reports during this permit cycle. As such, you will not receive the first page of the permit identifying your facility as registered under the renewed permit. Please visit our industrial stormwater permits webpage to find a copy of the permit and associated documents. https://www.oregon.gov/deq/wq/wqpermits/Pages/Stormwater-Industrial.aspx Thank you.

If you have any questions about this permit, contact the Stormwater Permit Coordinator at 541-686-7930.

Respectfully,

LeeAnn Gates

LoeAnn Gates

Western Region Permit Coordinator – Eugene Office

Gates.leeann@deq.state.or.us

1200-Z NPDES Monitoring Requirements

You must monitor for the pollutants in the table below. If discharge to a Category 5: 303(d) listed receiving water for pH, total copper, total lead, total zinc and/or E. coli, the table below will not include statewide or sector-specific benchmarks for those pollutants. Exceedance of impairment monitoring may escalate to a water quality-based effluent limit during this permit cycle. Please read Schedule A.13 and Schedule C carefully. Tier 2 geometric mean evaluations are required annually. Please read Schedule A.12 carefully.

Georegion	Pollutant	Statewide Benchmark	Units	Frequency
Willamette Valley	Total Copper	0.015	mg/L	Four times per year
Willamette Valley	Total Lead	0.11	mg/L	Four times per year
Willamette Valley	Total Zinc	0.14	mg/L	Four times per year
Willamette Valley	pН	5.5-9.0	s.u.	Four times per year
Willamette Valley	TSS	100	mg/L	Four times per year
SIC code of Industrial Activity	Pollutant	Sector-specific Benchmark	Units	Frequency
4953	E. coli	406	organisms/100 mL	Four times per year
Receiving Water LLID: 1231642447260 AUID: 104285 River Mile: 4	Pollutant	Impairment Concentration	Units	Frequency
Soap Creek Tributary	N/A	N/A	N/A	N/A
Technology-based Effluent Limit	Pollutant	Effluent Limit	Units	Frequency
Non-hazardous waste	BOD	140 mg/L, daily	maximum	Per Schedule E.L.7
landfills	ВОВ	37 mg/L, monthly		
Non-hazardous waste landfills	TSS	88 mg/L, daily 27 mg/L, monthly		Per Schedule E.L.7
Non-hazardous waste	A	10 mg/L, daily	maximum	Per Schedule E.L.7
landfills	Ammonia	4.9 mg/L, monthly	avg. maximum	
Non-hazardous waste	Alpha Terpineol	0.033 mg/L, dail	*	Per Schedule E.L.7
landfills	Aipha Terphicor	0.016 mg/L, monthly	=	
Non-hazardous waste	Benzoic Acid	0.12 mg/L, daily		Per Schedule E.L.7
landfills		0.071 mg/L, monthly	•	
Non-hazardous waste landfills	p-Cresol	0.025 mg/L, dail	*	Per Schedule E.L.7
		0.014 mg/L, monthly	=	D 01 11 EL 7
Non-hazardous waste landfills	Phenol	0.026 mg/L, dail	Per Schedule E.L.7	
Non-hazardous waste		0.015 mg/L, monthly avg. maximum 0.20 mg/L, daily maximum		Per Schedule E.L.7
landfills	Total Zinc	0.20 flig/L, daily	<u> </u>	- TEL SCHEUUIE E.L./
Non-hazardous waste landfills	рН	6.0-9.0	s.u.	Per Schedule E.L.7



Department of Environmental Quality Western Region Eugene Office

Issued by email: sedmonds@republicservices.com

165 East 7th Avenue, Suite 100 Eugene, OR 97401 (541) 686-7838 FAX (541) 686-7551 TTY 711

October 24, 2018

Shawn Edmonds Valley Landfills, Inc. 28972 Coffin Butte Rd Corvallis, OR 97330-9592

RE: Reissuance NPDES Permit Number 1200-Z

File Number: 104176 EPA Number. : ORR501175 Facility: Coffin Butte Landfill, 29175 Coffin Butte Rd, Corvallis

Benton County SIC Code(s): 4953

Dear Permit Registrant:

The Oregon Department of Environmental Quality has reissued the August 1, 2017, 1200-Z industrial stormwater general permit upon reconsideration. You will find a revised monitoring requirements table based on the settlement terms. This change does not impact monitoring waiver approvals or your Tier II evaluation year. The monitoring year still extends from July 1 to June 30, with two distinct sampling time frames: July 1 through December 31 and January 1 through June 30.

It is your responsibility to take all necessary steps to comply with conditions established in the permit to help protect Oregon's waterways. The October 2018, reissued permit and technical assistance materials are posted on DEQ's industrial stormwater website: https://www.oregon.gov/deq/wq/wqpermits/Pages/Stormwater-Industrial.aspx.

Included in this mailing is a summary of changes. Please print the permit from DEQ's website, read all documents carefully and replace these documents with previously received monitoring requirements table. The monitoring frequencies have increased and Discharge Monitoring Reports are now due quarterly.

Please contact Deborah Kimball in DEQ's Western Region office at 541-686-7930 if you have any questions about your permit requirements.

Respectfully,

Deborah Kimball, WQ Permit Coordinator

Western Region

Enclosure: Summary of Changes

Linell

File Number: 104176 EPA Number: ORR501175

Monitoring Requirements

You must monitor for the pollutants in the table below. If a parameter is listed more than once in the table below, you must sample according to the highest frequency and the laboratory results must meet the lowest concentration. If benchmarks are exceeded, please refer to Schedule A.10 of the permit for appropriate corrective actions.

Region	Pollutant	Statewide Benchmark	Unit	Frequency	
Regional	Total Copper	0.020	mg/L	Four times per year	
Regional	Total Lead	0.015	mg/L	Four times per year	
Regional	Total Zinc	<u>0.12</u>	mg/L	Four times per year	
Regional	pН	5.5-9.0	SU	Four times per year	
Regional	TSS	100	mg/L	Four times per year	
Regional	Total Oil & Grease	10	mg/L	Four times per year	
Regional	E. coli ¹	406	counts/100 mL	Four times per year	
SIC Code of Industrial Activity	Pollutant	Sector Specific Benchmark ²	Units	Frequency	
4953	Total Iron	1.0	mg/L	Four times per year	
LLID: 1231642447264 River Mile: 4	Pollutant	Impairment Reference Concentration ³	Units	Frequency	
Soap Creek	BOD	30	mg/L	Four times per year	
Numeric Effluent Limits	Pollutant	Numeric Effluent Limits	Units	Frequency	
Non-hazardous waste landfills	рН	6-9	SU	Per Schedule E.L.7	
Non-hazardous waste	BOD_5	140 mg/L, daily	maximum	Per Schedule E.L.7	
landfills	DOD;	37 mg/L, monthly a	vg. maximum		
Non-hazardous waste	TSS	88 mg/L, daily 1	naximum	Per Schedule E.L.7	
landfills	155	27 mg/L, monthly a	vg. maximum	Ter Schedule E.E.	
Non-hazardous waste	Ammonia	10 mg/L, daily 1	naximum	Per Schedule E.L.7	
landfills	7 mmonta	4.9 mg/L, monthly a	vg. maximum	Ter Senedule E.E.	
Non-hazardous waste	Alpha Terpineol	0.033 mg/L, daily	maximum	Per Schedule E.L.7	
landfills	Aipha Telphicol	0.016 mg/L, monthly	avg. maximum	Ter Schedule E.E.	
Non-hazardous waste	Benzoic Acid	0.12 mg/L, daily	maximum	Per Schedule E.L.7	
landfills	Donzolo 7 lota	0.071 mg/L, monthly	avg. maximum	Tor Somedure E.E.,	
Non-hazardous waste	p-Cresol	0.025 mg/L, daily	0.025 mg/L, daily maximum		
landfills	p c.e	0.014 mg/L, monthly	0.014 mg/L, monthly avg. maximum		
Non-hazardous waste	Phenol	0.026 mg/L, daily	maximum	Per Schedule E.L.7	
landfills	1 Hellol		0.015 mg/L, monthly avg. maximum		
Non-hazardous waste	Total Zinc	0.20 mg/L, daily		Per Schedule E.L.7	
landfills		0.11 mg/L, monthly	avg. maximum	1 of Belledule E.L./	

¹ The E. coli benchmark applies only to active landfills and sewage treatment plants.

Total PCB based on the sum of the following aroclors: 1016, 1221, 1232, 1242, 1248, 1254 and 1260

² Sector-Specific Benchmarks apply to both your primary industrial activity and any co-located industrial activities.

³ Impairment Pollutants apply to discharges to impaired waterbodies, based on the EPA-approved 303(d) list as of May 1, 2017.

File Number: 104176 EPA Number: ORR501175

PAH impairments includes sampling for the following parameters: acenaphthene, anthracene, benzo(a) anthracene, benzo(a) pyrene, benzo(b) fluoranthene 3,4, Benzo(k) fluoranthene, chrysene, dibenz(a,h) anthracene, fluoranthene, indeno (1,2,3-cd) pyrene, pyrene

Tier II Evaluation Year

Tier II evaluation year for Coffin Butte Landfill is the 2018-2019 monitoring year.

DMR submittal Deadlines

Reporting Quarters	Months	DMR Due Dates
1 st	July-September	November 15
2 nd	October-December	February 15*
3 rd	January-March	May 15
4 th	April-June	August 15*

^{*}Variance request may be submitted semi-annually as applicable

All monitoring results received between July 1, 2018, and Dec. 31, 2018, must be reported Feb. 15, 2019.



Department of Environmental Quality Western Region Eugene Office

165 East 7th Avenue, Suite 100 Eugene, OR 97401 (541) 686-7838 FAX (541) 686-7551 TTY 711

August 31, 2017

Shawn Edmonds Valley Landfills, Inc. 28972 Coffin Butte Rd Corvallis, OR 97330-9592

RE: Issuance NPDES Permit Number 1200-Z

File Number: 104176 EPA Number.: ORR501175 Facility: Coffin Butte Landfill, 29175 Coffin Butte Rd, Corvallis

Benton County SIC Code(s): 4953

Dear Permit Registrant:

The Oregon Department of Environmental Quality (DEQ) has issued coverage under the 2017-2022 1200-Z industrial stormwater general permit to the above reference facility as of this date. Enclosed is a signed copy of page 1 of the final permit and a table with the monitoring requirements for the facility.

It is your responsibility to take all necessary steps to comply with conditions established in the permit to help protect Oregon's waterways. The final permit is posted on DEQ's industrial stormwater website: http://www.oregon.gov/deq/FilterPermitsDocs/Final1200Zpermit.pdf.

Technical assistance materials associated with this permit are located online at DEQ's industrial stormwater webpage via www.oregon.gov/deq/. As part of the permit requirements, your facility must submit an updated Stormwater Pollution Control Plan to DEQ by **December 29, 2017.** The document must be submitted by email (10 MB limit), thumb drive or on a CD.

If you do not want to be covered under the 1200-Z permit, you can apply for an individual permit in accordance with OAR 340-045-0030.

Please contact Kathy Jacobsen in DEQ's Western Region office at (541) 687-7326 if you have any questions about your permit requirements.

Respectfully,

Kathy Jacobsen, WQ Permit Coordinator

Western Region

Attachments: Monitoring Requirements

1200-Z Permit Cover Page

cc: File

File Number: 104176 EPA Number: ORR501175

Monitoring Requirements

You must monitor for the pollutants in the table below. If a parameter is listed more than once in the table below, you must sample according to the highest frequency and the laboratory results must meet the lowest concentration. If benchmarks are exceeded, please refer to Schedule A.10 of the permit for appropriate corrective actions.

Region	Pollutant	Statewide Benchmark	Unit	Frequency
Regional	Total Copper	0.020	mg/L	Four times per year
Regional	Total Lead	0.015	mg/L	Four times per year
Regional	Total Zinc	0.090	mg/L	Four times per year
Regional	pН	5.5-9.0	SU	Four times per year
Regional	TSS	100	mg/L	Four times per year
Regional	Total Oil & Grease	10	mg/L	Four times per year
Regional	E. coli	406	counts/100 mL	Four times per year
SIC Code of Industrial Activity	Pollutant	Sector Specific Benchmark	Units	Frequency
4953	Total Iron	1.0	mg/L	Four times per year
LLID: 1231630447305 River Mile:				
Soap Creek	BOD	30	mg/L	Two times per year
Numeric Effluent Limits	Pollutant	Numeric Effluent Limits	Units	Frequency
Non-hazardous waste landfills	рН	6-9	SU	Per Schedule E.L.7
		140 mg/L, daily	maximum	
		37 mg/L, monthly a	vg. maximum	
		88 mg/L, daily	maximum	
		27 mg/L, monthly a	vg. maximum	
		10 mg/L, daily	maximum	
		4.9 mg/L, monthly a	ıvg. maximum	
		0.033 mg/L, daily	y maximum	
		0.016 mg/L, monthly	avg. maximum	
		0.12 mg/L, daily	maximum	
		0.071 mg/L, monthly	avg. maximum	
		0.025 mg/L, daily	y maximum	
		0.014 mg/L, monthly		
		0.026 mg/L, daily	y maximum	
		0.015 mg/L, monthly		
		0.20 mg/L, daily		
		0.11 mg/L, monthly	avg. maximum	

Tier II Evaluation Year

 $Tier\ II\ evaluation\ year\ for\ Coffin\ Butte\ Landfill\ is\ the\ 2018-2019\ monitoring\ year.$

Permit Number: 1200-Z Effective: August 1, 2017 Expiration: July 31, 2022

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Issuance Date: August 1, 2017

GENERAL PERMIT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORMWATER DISCHARGE PERMIT

Department of Environmental Quality 700 NE Multnomah St., Suite #600 Portland, OR 97232 Telephone: (503) 229-5630 or 1-800-452-4011 toll free in Oregon Issued pursuant to ORS 468B.050 and the Federal Clean Water Act

ISSUED TO: File # 104176 Date Issued: August 17, 2017

Benton County EPA# ORR501175 LLID: 1231630447305

Corvallis, OR 97330-9592 River Mile: 4

Site Location: Coffin Butte Landfill, 29175 Coffin Butte Rd, Corvallis

SOURCES COVERED UNDER THIS PERMIT:

Valley Landfills, Inc. 28972 Coffin Butte Rd

A facility that may discharge industrial stormwater to surface waters or to conveyance systems that discharge to surface waters of the state and

- 1. The stormwater is associated with an industrial activity identified in Table 1: Sources Covered or listed in Table 2: Additional Activities Covered; or
- 2. The facility is notified in writing by the Director that coverage under this permit is required for its stormwater discharges (see Note 1 below).

Note 1:

- 1. The Director designates the facility as requiring stormwater permit pursuant to 40 CFR §122.26(a)(9)(i)(D).
- 2. Facilities may apply for conditional exclusion from the requirement to obtain coverage under this permit if there is no exposure of industrial activities and materials to stormwater pursuant to 40 CFR §122.26(g); see Permit Coverage and Exclusion from Coverage.
- 3. The following are not eligible to obtain coverage under this permit:
 - Construction activities; Primary Standard Industrial Classification codes 2951 and 3273, including mobile asphalt and concrete batch plants; and Standard Industrial Classification code 14, Mining and Quarrying of Nonmetallic Minerals, Except Fuels. These activities are covered under a separate general permit.
 - ii. Any source that has obtained an individual NPDES permit for the discharge, unless the source is otherwise eligible for coverage under this permit and DEQ has approved the source's application for coverage under this general permit.
 - iii. Any source that discharges to a sanitary sewer system and the discharge is approved by the sanitary sewer operator.

Lydia Emer, Administrator Operations Division

