



State of Oregon
Department of
Environmental
Quality

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.

Facility Information

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
 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
 City of Portland City of Eugene
 Primary SIC Code: 4953 Secondary SIC Code: N/A

Monitoring Information

Number of discharge point(s): 2 Number of monitoring location(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 _____
12/9/2019 _____

DMR Submittal Checklist Please check all applicable documents are included with you DMR submittal:

Original Signature Laboratory Reports Chain of Custody QA/QC form Lab pH field sheets

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)).

Signature: Date: 5/1/20

Printed Name: Shawn Edmonds Title: General Manager
 Legally Authorized Representative

RECEIVED

MAY 06 2020 Email: sedmonds@republicservices.com

Telephone : (541) 286-8749



State of Oregon
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DEQ File No: 104176

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Regional Benchmarks

Monitoring Location(s)	Sample Date	pH	Total Suspended Solids	Total Oil & Grease	Total Copper	Total Lead	Total Zinc	E. coli *
		s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	counts/ 100 ml
001	Jul-Sep 2019	W	W	W	No Discharge	W	W	No Discharge
001	12/07/19	W	W	W	0.007	W	W	NS
001	12/16/19				NS			206
001	12/21/19	W	W	W	W	W	W	NS
001	12/30/19							88
001	01/28/20	W	W	W	W	W	W	1299
Geometric Mean			W	W	W	W	W	287
001	03/14/20	W	W	W	0.0085	W	W	123
Geometric Mean			W	W	0.009	W	W	123
002	Jul-Sep 2019	W	W	W	W	W	W	No Discharge
002	12/07/19	W	W	W	W	W	W	NS
002	12/16/19							4
002	12/21/19	W	W	W	W	W	W	NS
002	12/30/19							64
002	01/28/20	W	W	W	W	W	W	2419
Geometric Mean			W	W	W	W	W	85
002	03/14/20	W	W	W	W	W	W	12
Geometric Mean			W	W	W	W	W	12
Regional Benchmarks		5.5-9.0	100	10	0.020	0.015	0.12	406

* E. coli is only required for landfills and sewage treatment plants.



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Impairment Pollutants and Reference Concentrations
(see permit assignment letter for identification of required parameters)

Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic, Total Recoverable	BOD ₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
		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)				
001	12/21/19				ND (2.0)				
001	01/28/20				ND (2.0)				
001	03/14/20				ND (2.0)				
Geometric Mean					1				
002	Jul-Sep 2019				No Discharge				
002	12/09/19				ND (2.0)				
002	12/21/19				ND (2.0)				
002	01/28/20				7.3				
002	03/14/20				ND (2.0)				
Geometric Mean					2				
Geometric Mean									
Geometric Mean									
Geometric Mean									

Impairment Ref. Concentration	0.003	1.0	0.34	30	See Letter	0.0024	0.000083	See Letter
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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

Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing urea from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
			23.0	15.0	6.0-9.0			50	6.0-9.0		14.7
Monitoring Location(s)	Sample Date	Discharges from non-hazardous waste landfills	BOD ₅	Total Suspended Solids	Ammonia	Alpha Terpineol	Benzic Acid	p-Cresol	Phenol	Zinc, Total	pH
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2019		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
001	12/07/19		NS	ND (5.6)	ND (0.025)	ND (10)	ND (60)	ND (10)	ND (10)	ND (0.02)	7.93
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
Limit			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	Naphthalene	p-Cresol	Phenol
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
				mg/L	mg/L	mg/L	mg/L	s.u.			
Limit			0.072	1.1	1.1	0.535	6.0-9.0				



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Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing urea from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
Limit			23.0	15.0	6.0-9.0			50	6.0-9.0		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	pH
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
002	Jul-Sep 2019		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
002	12/07/19		NS	14.0	ND (0.18)	ND (9.6)	ND (58)	ND (9.6)	ND (9.6)	0.008	7.6
002	12/09/19		ND (2.0)								
002	03/14/20		ND (2.0)	17.0	ND (0.10)	ND (10)	ND (61)	ND (10)	ND (10)	0.017	7.5
Limit			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	Naphthalene	p-Cresol	Phenol
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
			mg/L	mg/L	mg/L	mg/L	s.u.				
Limit			0.072	1.1	1.1	0.535	6.0-9.0				

ATTACHMENT
LABORATORY REPORTS



Environment Testing
TestAmerica

ANALYTICAL REPORT

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

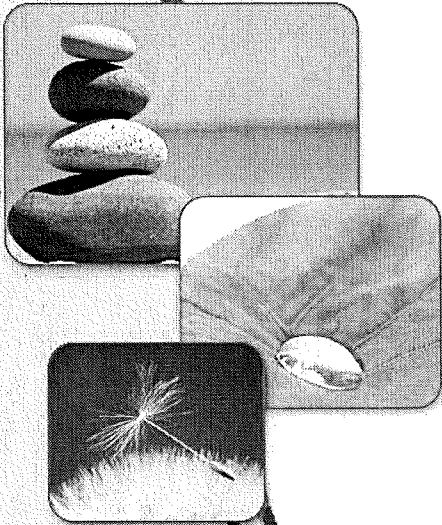
Laboratory Job ID: 280-133405-1
Client Project/Site: Coffin Butte

For:
Republic Services Inc
28972 Coffin Butte Rd
Corvallis, Oregon 97330

Attn: Ian Macnab

*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
Total Access

Have a Question?
Ask The Expert

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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
J	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.
α	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 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)
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: 280-133405-1

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

Client Sample ID: 1.28.20.CB.001

Lab Sample ID: 280-133405-1

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



This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-133405-1

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

Date Collected: 01/28/20 13:06

Date Received: 01/31/20 09:05

Lab Sample ID: 280-133405-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	10	J	15	4.2	ug/L		02/05/20 13:50	02/07/20 04:54	1



QC Sample Results

Client: Republic Services Inc
 Project/Site: Coffin Butte

Job ID: 280-133405-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-484870/1-A
 Matrix: Water
 Analysis Batch: 485350

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 484870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		15	4.2	ug/L		02/05/20 13:50	02/07/20 04:28	1

Lab Sample ID: LCS 280-484870/2-A
 Matrix: Water
 Analysis Batch: 485350

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 484870

Analyte	Spike Added	LCS Result	LCS Qualifier	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	
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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

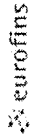
Laboratory References:

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



Eurofins TestAmerica Denver
 4955 Yarrow Street
 Arvada, CO 80002
 Phone (303) 736-0100 Fax (303) 421-7171

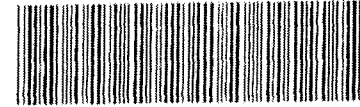
Chain of Custody Record



Environment Test
 TestAmerica

Client Information Company: Republic Services Inc Address: 28972 Coffin Butte Rd City: Corvallis State, Zip: OR, 97330 Phone: 541-745-6793(Tel) Email: pcaruso@republicservices.com Project Name: 921711: Valley Landfill Site: Coffin Butte		Lab Pkt: Harrington, Danielle M E-Mail: danielle.harrington@testiamerica.com Counter Testing Nest:		CFC No: 280-79764-26097.1 Page: 1 of 1 Job #:
Due Date Requested: TAT Requested (days):		Analysis Requested		
Field Filled Sample (Yes or No)	Form MS/MSD (Yes or No)	200.7 - Total Zinc 2540D - Total Suspended Solids 5554A - DMS Out and In 5MS210B, BODCalc, BOD/ Dissolved Oxygen 625 Total Copper pH Ammonia	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NiOH G - Amchlor H - Ascorbic Acid I - ICR J - DI Water K - EDTA L - EDA Other:	
Sample Identification 129 20 CB 001	Sample Date 1/28/20 13:06	Sample Time G	Sample Type (C=Comp, G=grab) G	Matrix (W=water, S=solid, O=other, A=air) Water Water
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)				
Empty Kit Relinquished by:				
Relinquished by: Phil Canuso		Date/Time: 1/30/20 07:58 Company:		
Relinquished by:		Date/Time: 1/29/2020 09:05 Company: ETA-DEN		
Relinquished by:		Date/Time: Company:		
Custody Seal Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 3, 3, CF10.7, IR9 2/3/2020		

280-133405 Chain of Custody



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 \neq background as measured by a survey meter.	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 <math><6\text{mm}</math> (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
28972 Coffin Butte Rd
Corvallis, OR 97330

02/04/2020

REPSERCOR

PO#: XXX

Collection Information

Date: 01/28/2020
Time: 1601
By: Phil
Lab #: 20200129-028
Location: outfall 001

Lab Receipt Information

01/29/2020
1045
MH

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.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis	
							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.

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: _____



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
28972 Coffin Butte Rd
Corvallis, OR 97330

02/04/2020

REPSERCOR

PO#: XXX

Collection Information

Date: 01/28/2020
Time: 1606
By: Phil
Lab #: 20200129-029
Location: outfall 002

Lab Receipt Information

01/29/2020
1045
MH

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.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis	
							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: _____





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 98226 - 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



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:

Sarah P Miller
 Lab Manager, Corvallis

Sample Description: Outfall 001 - Coffin Butte										Sample Date: 1/28/20 1:06 pm		
Lab Number: 5951		Sample Comment:								Collected By: Ian Macnab		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
	E. Coli	1299	1		MPN/100mL	1.0	SM9223 B.2.b/Collert-18	d	1/29/20	MDP	DlertQT_200128	

Sample Description: Outfall 002 - Coffin Butte										Sample Date: 1/28/20 1:31 pm		
Lab Number: 5952		Sample Comment:								Collected By: Ian Macnab		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
	E. Coli	>2419	1		MPN/100mL	1.0	SM9223 B.2.b/Collert-18	d	1/29/20	MDP	DlertQT_200128	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

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



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

DATA REPORT

Client Name: Republic Services
 28972 Coffin Butte Rd
 Corvallis, OR 97330

Reference Number: 20-03046
Project: Stormwater

System Name:
System ID Number:
Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Coffin Butte
County:

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:

Sarah P. 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		mdp	OR100009 d	SM9223 B.2.b/Collert-18	01/29/20 11:40	

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 laboratory 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.



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 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

DATA REPORT

Client Name: Republic Services
 28972 Coffin Butte Rd
 Corvallis, OR 97330

Reference Number: 20-03046
 Project: Stormwater

System Name:
 System ID Number:
 Source Number:
 Multiple Sources:
 Sample Type:
 Sample Purpose: Investigative or Other
 Sample Location: Coffin Butte
 County:

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:

Sarah P 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		mdp	OR100009 d	SM9223 B.2.b/Collert-18	01/29/20 11:40	

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* Lab Code - lists the laboratory 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.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE OF



Edge Corvallis
540 SW 3rd St.
Corvallis, OR 97333
541-753-4946

REPORT TO:	28972 Coffin Bulk Pl	BILL TO:	Republic Services
ADDRESS:	28972 Coffin Bulk Pl	ADDRESS:	← SAME
CITY:	Corvallis	CITY:	STATE:
ATTN:	Phil Caruso	PHONE:	FAX:
PHONE:	541-230-5537 FAX:	P.O.#:	ATTN:
EMAIL:	pcaruso@republicservices.com	<input type="checkbox"/> VISA	<input type="checkbox"/> MIC
PROJECT NAME:	Coffin Bulk Storm Wash	<input type="checkbox"/> A/E	EXPRES
		<input type="checkbox"/> CARGO#	<input type="checkbox"/> OTHER

20-03046
5951 - 5952

ANALYSIS REQUESTED

- INSTRUCTIONS**
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.

SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE MATRIX *	DATE	TIME	TURN AROUND TIME REQUIRED		EMERGENCY (PHONE CALL REQUIRED)	NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/CONDITIONS ON RECEIPT
						<input checked="" type="checkbox"/> STANDARD	<input type="checkbox"/> HALF-TIME (50% SURCHARGE)			
1	1.28.20.001	0.0 Fall 001	G	W	1/28/20	13:06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	1.28.20.002	0.1 Fall 002	G	W	1/28/20	13:31	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3							<input type="checkbox"/>	<input type="checkbox"/>		
4							<input type="checkbox"/>	<input type="checkbox"/>		
5							<input type="checkbox"/>	<input type="checkbox"/>		
6							<input type="checkbox"/>	<input type="checkbox"/>		
7							<input type="checkbox"/>	<input type="checkbox"/>		
8							<input type="checkbox"/>	<input type="checkbox"/>		
9							<input type="checkbox"/>	<input type="checkbox"/>		
10							<input type="checkbox"/>	<input type="checkbox"/>		

SAMPLED BY: _____ PHONE: _____ FAX: _____ EMAIL: _____

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) *W-WATER *DW-DRINKING WATER *SW-SURFACE WATER *WW-WASTE WATER *OL-OIL

REINQUIRED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>Phil Caruso</i>	1/28/20	14:24	<i>Phil Caruso</i>	1/28/20	14:24

CHAIN OF CUSTODY & LABELS AGREE

EVIDENCE OF COOLING

SAMPLES RECEIVED INTACT

CUSTOMER SEALS INTACT

SAMPLE TEMP 11.3 °C SATISFACTORY

YES NO N/A



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:
3/30/2020 12:19:50 PM*

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

LINKS

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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: 280-134669-1

Qualifiers

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
J	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 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)
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

Lab Sample ID: 280-134669-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	8.5	J	15	4.2	ug/L	1		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	1.0	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: 3.14.20.002.CB

Lab Sample ID: 280-134669-2

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
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

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver



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	pH	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

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

Job ID: 280-134669-1

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

Client Sample ID: 3.14.20.001.CB

Date Collected: 03/14/20 15:12

Date Received: 03/17/20 09:40

Lab Sample ID: 280-134669-1

Matrix: Water

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	ug/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
Phenol-d5	83		11 - 145	03/19/20 12:34	03/27/20 05:44	1
Terphenyl-d14	60		10 - 145	03/19/20 12:34	03/27/20 05:44	1

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

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.CB

Date Collected: 03/14/20 15:12

Date Received: 03/17/20 09:40

Lab Sample ID: 280-134669-1

Matrix: Water

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

Date Received: 03/17/20 09:40

Lab Sample ID: 280-134669-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	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

Eurofins TestAmerica, Denver

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

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

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 Sample ID: 280-134669-2
Matrix: Water

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (16-147)	FBP (43-120)	2FP (16-136)	NBZ (52-120)	PHL (11-145)	TPHL (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 280-489279/1-A
Matrix: Water
Analysis Batch: 490034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489279

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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
Matrix: Water
Analysis Batch: 490034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489279

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
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		ug/L		92	50 - 158
2-Chloronaphthalene	80.0	64.9		ug/L		81	60 - 118
2-Chlorophenol	80.0	65.9		ug/L		82	23 - 134
2-Methylphenol	80.0	66.1		ug/L		83	51 - 108
2-Nitrophenol	80.0	68.5		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		ug/L		85	51 - 111
4-Nitrophenol	160	113		ug/L		71	10 - 132
Acenaphthene	80.0	68.2		ug/L		85	47 - 145
Acenaphthylene	80.0	67.8		ug/L		85	33 - 145
Anthracene	80.0	69.7		ug/L		87	27 - 133
Benzidine	160	57.2	J	ug/L		36	5 - 65
Benzo[a]anthracene	80.0	72.2		ug/L		90	33 - 143
Benzo[a]pyrene	80.0	67.1		ug/L		84	17 - 163
Benzo[b]fluoranthene	80.0	73.4		ug/L		92	24 - 159
Benzo[g,h,i]perylene	80.0	81.2		ug/L		101	10 - 219
Benzo[k]fluoranthene	80.0	72.1		ug/L		90	11 - 162
Bis(2-chloroethoxy)methane	80.0	66.1		ug/L		83	33 - 184
Bis(2-chloroethyl)ether	80.0	68.9		ug/L		86	12 - 158

Eurolins TestAmerica, Denver

QC Sample Results

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-134669-1

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

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**

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 490034 **Prep Batch: 489279**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits		RPD	
							%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-Chloronaphthalene	80.0	64.8		ug/L		81	60 - 118	0	30	

Eurofins TestAmerica, Denver

QC Sample Results

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-134669-1

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

Lab Sample ID: LCSD 280-489279/3-A
Matrix: Water
Analysis Batch: 490034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 489279

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
2-Chlorophenol	80.0	66.9		ug/L		84	23 - 134	1	30	
2-Methylphenol	80.0	69.3		ug/L		87	51 - 108	5	35	
2-Nitrophenol	80.0	71.4		ug/L		89	29 - 182	4	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	3	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	39	
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	0	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	0	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	1	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		74	37 - 113	2	30	
N-Nitrosodi-n-propylamine	80.0	66.7		ug/L		83	10 - 230	2	30	
N-Nitrosodiphenylamine	80.0	69.7		ug/L		87	46 - 114	0	50	
Pentachlorophenol	160	128		ug/L		80	14 - 176	3	30	
Phenanthrene	80.0	70.9		ug/L		89	54 - 120	2	30	
Phenol	80.0	63.4		ug/L		79	10 - 112	2	30	
Pyrene	80.0	76.0		ug/L		95	55 - 115	1	30	

Eurofins TestAmerica, Denver

QC Sample Results

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-134669-1

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

Lab Sample ID: LCSD 280-489279/3-A
Matrix: Water
Analysis Batch: 490034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 489279

Surrogate	LCS D %Recovery	LCS D Qualifier	Limits
2,4,6-Tribromophenol	88		16 - 147
2-Fluorobiphenyl	86		43 - 120
2-Fluorophenol	83		16 - 136
Nitrobenzene-d5	85		52 - 120
Phenol-d5	84		11 - 145
Terphenyl-d14	109		10 - 145

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-489120/1-A
Matrix: Water
Analysis Batch: 489297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489120

Analyte	MB Result	MB 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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489120

Analyte	Spike Added	LCS Result	LCS 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
Analysis Batch: 489766

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			03/24/20 13:55	1

Lab Sample ID: LCS 280-489766/57
Matrix: Water
Analysis Batch: 489766

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Ammonia as N	2.50	2.51		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-489766/58
Matrix: Water
Analysis Batch: 489766

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

Analyte	Spike Added	LCS D Result	LCS D Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Ammonia as N	2.50	2.51		mg/L		100	90 - 110	0	10

Eurofins TestAmerica, Denver

QC Sample Results

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-134669-1

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

Lab Sample ID: MB 280-489410/2
Matrix: Water
Analysis Batch: 489410

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.1	mg/L			03/20/20 13:55	1

Lab Sample ID: LCS 280-489410/1
Matrix: Water
Analysis Batch: 489410

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	93.6		mg/L		94	79 - 114

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-489222/4
Matrix: Water
Analysis Batch: 489222

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

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

Lab Sample ID: 280-134669-1 DU
Matrix: Water
Analysis Batch: 489222

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH adj. to 25 deg C	7.9	HF	8.1		SU		3	5
Temperature	21.6	HF	21.4		Degrees C		0.8	10

QC Association Summary

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-134669-1

GC/MS Semi VOA

Prep Batch: 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
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	

Eurofins TestAmerica, Denver

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	



Lab Chronicle

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-134669-1

Client Sample ID: 3.14.20.001.CB

Lab Sample ID: 280-134669-1

Date Collected: 03/14/20 15:12

Matrix: Water

Date Received: 03/17/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Sample ID: 280-134669-2

Date Collected: 03/14/20 15:34

Matrix: Water

Date Received: 03/17/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
 4955 Yarrow Street
 Arvada, CO 80002
 Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

Denver
#280

eurofins Environment Testing
 TestAmerica

Sampler: Harrington, Danielle M
 Job Pk: Harrington, Danielle M
 Client Contact: Phil Caruso
 E-Mail: danielle.harrington@testamericainc.com
 Company: Republic Services Inc
 Address: 28972 Coffin Bufile Rd
 City: Corvallis
 State, Zip: OR, 97330
 Phone: 541-745-5792(Tel)
 Email: pcaruso@republicservices.com
 Project #: 921711: Valley Landfill
 Site: Source

Due Date Requested:
 TAT Requested (days):
 PO #:
 WO #:
 Project #: 28017964
 SSOM#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	Perforated (Yes or No)	200 L Zinc, Copper, Lead	2500P - Total Suspended Solids/Ph	Ammonium	625	Total Number of Containers	Special Instructions/Note:
3.14.20.001.CB	3/14/20	15:12	G	W	X	X	X	X	X	X		Copper + Zinc
3.14.20.002.CB	3/14/20	15:34	G	W	X	X	X	X	X	X		Zinc Only

Possible Hazard Identification
 Non-hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:
 Relinquished by: *Phil Caruso* Date: 3/16/20
 Relinquished by: *Julian J. J. Jr* Date: 3-17-20
 Relinquished by: _____ Date: _____

Custody Seals Intact: Yes No
 Custody Seal No.: _____
 Cooler Temperature (C and Other Remarks): 3-17-20
 Date/Time: 3-17-20
 Date/Time: 09:40
 Date/Time: _____
 Date/Time: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/OC Requirements:

Method of Shipment:	Date:	Time:	Company
	3/16/20	05:01	Company
			Company
			Company

1
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11
12
13

FedEx

TRK# 8113 9338 1280
0667

TUE - 17 MAR 10:30A
PRIORITY OVERNIGHT

XH WHHA

80002
CO-US
DEN



FTD 287504 1644070 CVOA 56DC764E0/05A2

FedEx Express **Expanded Billable Stamp**
Use only for shipments within the U.S.
Saturday delivery available.

There is an initial watermark on this document. Hold area rights to view.

1 From

ORDER: 00834319

Packages Weight

FedEx
Priority
Overnight®

Release Signature
For nonresidential deliveries.

For FedEx Use Only
Employee Number Basic Charges

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Other

Total Charges

2 To

Shipments will not be accepted if address below is altered.

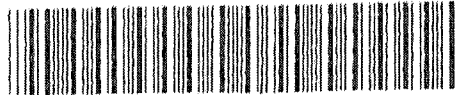
M-10091 Rev. 3/10

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

NONREDEEMABLE
Please see the back of the
receipt for important terms
and conditions.

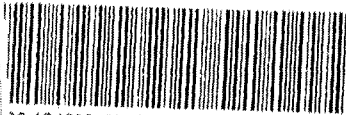
SATURDAY DELIVERY

Shipments tendered on Friday are delivered
on Saturday to most locations.



8113 9338 1280

Form ID
0667



30-134669 Waybill

811393381280

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 280-134669-1

Login Number: 134669

List Source: Eurofins TestAmerica, Denver

List Number: 1

Creator: Lubin, Julius C

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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	
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 <math><6\text{mm}</math> (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

TO: Republic Services Corvallis ATTEN. Phil and Ian
28972 Coffin Butte Rd
Corvallis, OR 97330

03/23/2020

REPSERCOR

PO#: BOD

Collection Information

Date: 03/14/2020
Time: 1534
By: Phil
Lab #: 20200316-003
Location: 002

Lab Receipt Information

03/16/2020
0910
MM

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.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis	
							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, DRELAP 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 3/16/20 1242 AS

Approved by: _____



TEST REPORT

TO: Republic Services Corvallis ATTEN. Phil and Ian
28972 Coffin Butte Rd
Corvallis, OR 97330

03/23/2020

REPSERCOR

PO#: BOD

Collection Information

Date: 03/14/2020
Time: 1520
By: Phil
Lab #: 20200316-002
Location: 001

Lab Receipt Information

03/16/2020
0910
MM

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.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis	
							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

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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 3/16/20 1242 AS

Approved by: _____





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 Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

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

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/Colliert-18	03/17/20 11:23	
3014	E. Coli	123	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Colliert-18	03/17/20 11:23	

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 laboratory 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.



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 Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

DATA REPORT

Client Name: Republic Services
 28972 Coffin Butte Rd
 Corvallis, OR 97330

Reference Number: 20-09386
 Project: Stormwater

System Name:
 System ID Number:
 Source Number:
 Multiple Sources:
 Sample Type:
 Sample Purpose: Investigative or Other
 Sample Location: Coffin Butte, Outfall 002
 County:

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

EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
2920	Microbiology TOTAL COLIFORM	1046	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Collert-18	03/17/20 11:23	
3014	E. Coli	12	MPN/100mL	1		rap	OR100009 d	SM9223 B.2.b/Collert-18	03/17/20 11:23	

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 laboratory 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.



REPUBLIC SERVICES

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

pH CALIBRATION LOG ROUTINE pH METER CALIBRATION CHECK

SERIAL NUMBER: 16326011

INSTRUMENT: Hach HI38 miniLab Pro

FREQUENCY: Calibrate 1-2 hours prior to use

Accuracy = +/- 0.1 pH units

DATE	Buffer 1	Buffer 1 Expiration	Buffer 2	Buffer 2 Expiration	Buffer 3	Buffer 3 Expiration	pH Calibration	
							Expected	Observed
3/14/20	7.0	5/20	4.0	12/20	10.0	10/20	7.0	7.0

Name Collector/ Analyzer: Phil Carson Signature: [Signature]

Time Calibrated: 3/14 14:57

OUTFALL NAME	TIME COLLECTED	TIME ANALYZED	pH OUTFALL	pH DUPLICATE	AVERAGE (M)	RPD %
001	14:15	15:15	7.40	7.44	7.42	0.54
002	15:34	15:34	7.51	7.53	7.52	0.27

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

RPD = (pH sample A - pH sample B) ÷ M × 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.

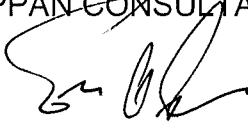
Please note that VLI tested for copper at outfall 002 for sampling events on January 28 and March 14, 2020, even though that parameter had been waived by DEQ letter of December 9, 2019. Sample results are included with the laboratory reports but are not filled in on the DMR, which shows copper as waived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

TUPPAN CONSULTANTS LLC



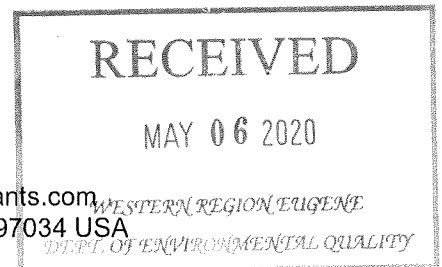
Eric J. Tuppan, R.G.
Project Manager



Exp 12/1/2020

Attachments: 3rd Quarter 2019-20 DMR
Laboratory Reports

cc: Ian Macnab; Republic Services (electronic copy)





State of Oregon
Department of
Environmental
Quality

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.

Facility Information

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 *see 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

City of Portland City of Eugene

Primary SIC Code: 4953 Secondary SIC Code: N/A

Monitoring Information

Number of discharge point(s): 2 Number of monitoring location(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.

<u>10/9/2018</u>				

DMR Submittal Checklist Please check all applicable documents are included with you DMR submittal:

- Original Signature Laboratory Reports Chain of Custody QA/QC form Lab pH field sheets

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)).

Signature: Date: 11/4/20

Printed Name: Shawn Edmonds Title: General Manager
Legally Authorized Representative

RECEIVED

Email: sedmonds@republicservices.com

NOV 10 2020 Telephone: (541) 286-8749

WESTERN REGION EUGENE
DEPT. OF ENVIRONMENTAL QUALITY

*2018 1200-Z permit, page 29



State of Oregon
Department of
Environmental
Quality

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

Monitoring Location(s)	Sample Date	pH	Total Suspended Solids	Total Oil & Grease	Total Copper	Total Lead	Total Zinc	E. coli *
		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
Geometric Mean			W	W		W	W	
002	Jul-Sep 2020	W	W	W	W	W	W	No Discharge
Geometric Mean			W	W	W	W	W	
Geometric Mean								
Geometric Mean								
Regional Benchmarks		5.5-9.0	100	10	0.020	0.015	0.12	406

* E. coli is only required for landfills and sewage treatment plants.



State of Oregon
Department of
Environmental
Quality

For official use only:
 Legal Name: Coffin Butte Landfill
 DEQ File No: 104176

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Impairment Pollutants and Reference Concentrations
 (see permit assignment letter for identification of required parameters)

Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic, Total Recoverable	BOD ₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2020	No Discharge							
Geometric Mean									
002	Jul-Sep 2020	No Discharge							
Geometric Mean									
Geometric Mean									
Geometric Mean									
Impairment Ref. Concentration		0.003	1.0	0.34	30	See Letter	0.0024	0.000083	See Letter



State of Oregon
Department of
Environmental
Quality

For official use only:

Legal Name:

DEQ File No: DEQ File No:

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.

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

Refer to the permit assignment letter for effluent limit sampling requirements

Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing urea from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
			23.0	15.0	6.0-9.0			50	6.0-9.0		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	pH
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2020		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
Limit			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	Naphthalene	p-Cresol	Phenol
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
				mg/L	mg/L	mg/L	mg/L	s.u.			
Limit			0.072	1.1	1.1	0.535	6.0-9.0				



State of Oregon
Department of
Environmental
Quality

For official use only:

Legal Name:

DEQ File No: DEQ File No:

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.

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

Refer to the permit assignment letter for effluent limit sampling requirements.

Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing urea from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
Limit			23.0	15.0	6.0-9.0			50	6.0-9.0		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	pH
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	.s.u.
002	Jul-Sep 2020		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
Limit			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	Naphthalene	p-Cresol	Phenol
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
			mg/L	mg/L	mg/L	mg/L	s.u.				
Limit			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.

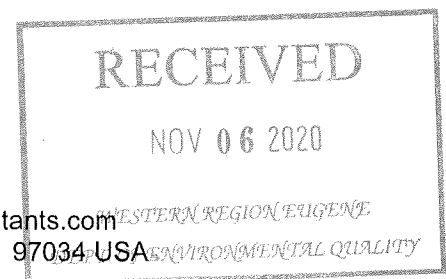
Sincerely,

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)





Discharge Monitoring Report 1200-Z Permit

National Pollutant Discharge Elimination System Permit
Industrial Stormwater Discharge General Permit

State of Oregon
Department of
Environmental
Quality

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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

Facility address: 28972 Coffin Butte Rd. Reporting Quarter: 1st 2nd 3rd 4th *see 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 SIC Code: 4953 Secondary SIC Code: N/A City of Portland City of Eugene

Monitoring Information

Number of discharge point(s): 2 Number of monitoring location(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.

<u>10/9/2018</u>			
<u>12/9/2019</u>			

DMR Submittal Checklist

Please check all applicable documents are included with you DMR submittal:

- Original Signature Laboratory Reports Chain of Custody QA/QC form Lab pH field sheets

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)).

Signature: Date: 5/5/21

Printed Name: Shawn Edmonds Title: General Manager
Legally Authorized Representative

Email: sedmonds@republicservices.com



*2018 1200-Z permit, page 29

Telephone : (541) 286-8749



For official use only:
 Legal Name: Coffin Butte Landfill
 DEQ File No: 104176

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Regional Benchmarks

Monitoring Location(s)	Sample Date	pH	Total Suspended Solids	Total Oil & Grease	Total Copper	Total Lead	Total Zinc	E. coli *
		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	W	W	ND (0.02)	866
001	12/16/20	W	W	W	W	W	W	44
001	02/01/21	8	15	W	W	W	0.074	161
001	02/18/21	W	W	W	W	W	W	43
Geometric Mean			W	W	W	W	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		50					
Geometric Mean			W	W	W	W	W	539
Geometric Mean								
Geometric Mean								
Geometric Mean								
Geometric Mean								

* E. coli is only required for landfills and sewage treatment plants.

Regional Benchmarks	5.5-9.0	100	10	0.020	0.015	0.12	406	
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State of Oregon
Department of
Environmental
Quality

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 DEQ File No: 104176

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Impairment Pollutants and Reference Concentrations
 (see permit assignment letter for identification of required parameters)

Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic, Total Recoverable	BOD ₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
		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)				
001	12/16/20				ND (2.0)				
001	02/01/21				ND (2.0)				
001	02/18/21				ND (2.0)				
Geometric 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				ND (2.0)				
Geometric Mean					2				
Geometric Mean									
Geometric Mean									
Geometric Mean									
Impairment Ref. Concentration		0.003	1.0	0.34	30	See Letter	0.0024	0.000083	See Letter



State of Oregon
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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

Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing urea from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
			23.0	15.0	6.0-9.0			50	6.0-9.0		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	pH
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2020		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
001	11/16/20		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		ND (2.0)	15	ND (0.10)	ND(0.0099)	ND(0.059)	ND(0.0099)	ND(0.0099)	0.0074	8
Limit			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	Naphthalene	p-Cresol	Phenol
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
				mg/L	mg/L	mg/L	mg/L	s.u.			
Limit			0.072	1.1	1.1	0.535	6.0-9.0				



State of Oregon
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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.**

Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing area from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
Limit			23.0	15.0	6.0-9.0			50	6.0-9.0		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	pH
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
002	Jul-Sep 2020		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
002	11/16/20		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		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			50.0							
Limit			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	Naphthalene	p-Cresol	Phenol
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
			mg/L	mg/L	mg/L	mg/L	s.u.				
Limit			0.072	1.1	1.1	0.535	6.0-9.0				

ATTACHMENT
LABORATORY REPORTS



Environment Testing
America

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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

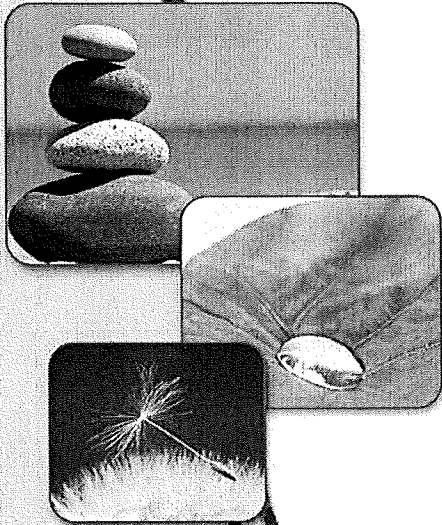
For:
Republic Services Inc
28972 Coffin Butte Rd
Corvallis, Oregon 97330

Attn: Ian Macnab

Danielle Harrington

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

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



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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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Definitions/Glossary

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-145184-1



Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

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.

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.
α	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)
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

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

Client Sample ID: 2.1.21.CB.001

Lab Sample ID: 280-145184-1

Analyte	Result	Qualifier	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

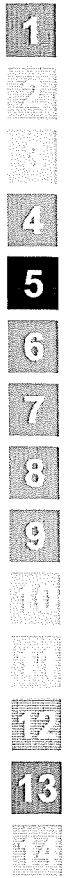
Client Sample ID: 2.1.21.CB.002

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

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver



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
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN
SM 4500 H+ B	pH	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



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	



Client Sample Results

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-145184-1

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

Client Sample ID: 2.1.21.CB.001
Date Collected: 02/01/21 10:27
Date Received: 02/03/21 09:10

Lab Sample ID: 280-145184-1
Matrix: 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	9.9	ug/L		02/08/21 14:53	02/12/21 20:09	1
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
Date Collected: 02/01/21 10:51
Date Received: 02/03/21 09:10

Lab Sample ID: 280-145184-2
Matrix: 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 20:34	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	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		16 - 147				02/08/21 14:53	02/12/21 20:34	1
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
Date Received: 02/03/21 09:10

Lab Sample ID: 280-145184-1
Matrix: Water

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

Client Sample ID: 2.1.21.CB.002
Date Collected: 02/01/21 10:51
Date Received: 02/03/21 09:10

Lab Sample ID: 280-145184-2
Matrix: Water

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
Date Received: 02/03/21 09:10

Lab Sample ID: 280-145184-1
Matrix: Water

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

Eurofins TestAmerica, Denver

Client Sample Results

Client: Republic Services Inc
 Project/Site: Coffin Butte

Job ID: 280-145184-1

General Chemistry (Continued)

Client Sample ID: 2.1.21.CB.001
Date Collected: 02/01/21 10:27
Date Received: 02/03/21 09:10

Lab Sample ID: 280-145184-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	15		4.0	1.1	mg/L			02/04/21 16:16	1
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

Client Sample ID: 2.1.21.CB.002
Date Collected: 02/01/21 10:51
Date Received: 02/03/21 09:10

Lab Sample ID: 280-145184-2
Matrix: Water

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (16-147)	FBP (43-120)	2FP (16-136)	NBZ (52-120)	PHL (11-145)	TPHL (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

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: 280-145184-1

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

Lab Sample ID: MB 280-525696/1-A
Matrix: Water
Analysis Batch: 526171

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 525696

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Cresol	ND		10	0.25	ug/L		02/08/21 14:53	02/12/21 18:02	1
Alpha-Terpineol	ND		10	2.0	ug/L		02/08/21 14:53	02/12/21 18:02	1
Benzoic acid	ND		60	10	ug/L		02/08/21 14:53	02/12/21 18:02	1
Phenol	ND		10	2.0	ug/L		02/08/21 14:53	02/12/21 18:02	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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
Matrix: Water
Analysis Batch: 526171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 525696

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	82		16 - 147
2-Fluorobiphenyl	64		43 - 120
2-Fluorophenol	62		16 - 136
Nitrobenzene-d5	66		52 - 120
Phenol-d5	65		11 - 145
Terphenyl-d14	86		10 - 145

Lab Sample ID: LCSD 280-525696/3-A
Matrix: Water
Analysis Batch: 526171

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 525696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	Limits	RPD	RPD Limit
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	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
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

Eurofins TestAmerica, Denver

QC Sample Results

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-145184-1



Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-525744/1-A
Matrix: Water
Analysis Batch: 526055

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 525744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		20	4.5	ug/L		02/09/21 08:24	02/10/21 15:39	1

Lab Sample ID: LCS 280-525744/2-A
Matrix: Water
Analysis Batch: 526055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 525744

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

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-525583/57
Matrix: Water
Analysis Batch: 525583

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			02/05/21 14:42	1

Lab Sample ID: LCS 280-525583/56
Matrix: Water
Analysis Batch: 525583

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	2.50	2.35		mg/L		94	90 - 110

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

Lab Sample ID: MB 280-525478/1
Matrix: Water
Analysis Batch: 525478

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.1	mg/L			02/04/21 16:16	1

Lab Sample ID: LCS 280-525478/2
Matrix: Water
Analysis Batch: 525478

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

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

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-525484/4
Matrix: Water
Analysis Batch: 525484

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

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

Eurolins TestAmerica, Denver

QC Association Summary

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-145184-1

GC/MS Semi VOA

Prep Batch: 525696

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

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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-145184-1	2.1.21.CB.001	Total/NA	Water	SM 2540D	
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	

Eurofins TestAmerica, Denver



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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Total/NA	Analysis	SM 4500 H+ B		1			525484	02/04/21 12:34	QJB	TAL DEN

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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:

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



4955 Yarrow Street
 Arvada, CO 80002
 Phone (303) 796-0100 Fax (303) 431-7171

Chain of Custody Record

Denver #280

13

Client Information

Client Contact: Phil Caruso
 Company: Republic Services Inc
 Address: 28972 Coffin Butte Rd
 City: Corvallis
 State, Zip: OR, 97330
 Phone: 541-745-5792 (tel)
 Email: pcaruso@republicservices.com
 Project Name: 921714; Valley Landfill
 Site: Coffin Butte

Sampler: Phil Caruso
 Phone: [blank]
 Lab Pk: Harrington, Danielle M
 E-Mail: danielle.harrington@estamericainc.com

Due Date Requested:
 TAT Requested (days):
 PO #:
 WO #:
 Project #: 28017984
 SOW#:

Carrier Tracking No(s):

COC No: 280-79764-26097.1
 Page: Page 1 of 1
 Job #:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Metal, Organic, Inorganic)	Field Filtered Sample (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
2.1.21.CB.001	2/1/21	10:27	G	Water	X	200.7 - Total Zinc 2540D - Total Suspended Solids * 1664A_Calc - Oil and Grease * SM5210B_BODCalc - BOD/ Dissolved Oxygen 625 Total Copper pH Ammonia	X	
2.1.21.CB.002	2/1/21	10:51	G	Water	X		X	



280-145184 Chain of Custody

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by: Phil Caruso
 Date/Time: 2/2/21 09:15
 Company:

Received by: [Signature]
 Date/Time: 3/2/2021 09:00
 Company: EPA

Relinquished by: [blank]
 Date/Time: [blank]
 Company:

Received by: [blank]
 Date/Time: [blank]
 Company:

Custody Seal Intact: Yes No
 Custody Seal No.: 1229514

Cooler Temperature(s) °C and Other Remarks: 3.6 prep CP +0.2

Login Sample Receipt Checklist

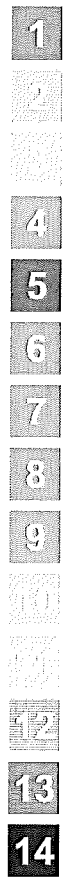
Client: Republic Services Inc

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 \leq background as measured by a survey meter.	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 <math><6\text{mm}</math> (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

TO: Coffin Butte Landfill/Valley LF,Inc./ Ian
28972 Coffin Butte Rd.
Corvallis, OR 97330

2/8/2021

COFBUT

PO#:

Collection Information

Date: 2/1/2021
Time: 1027
By: Phil
Lab #: 20210201-044
Location: 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.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis	
							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.

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

Approved by: _____



TEST REPORT

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

TO: Coffin Butte Landfill/Valley LF, Inc./ Ian
28972 Coffin Butte Rd.
Corvallis, OR 97330

2/8/2021

COFBUT

PO#:

Collection Information

Date: 2/1/2021
Time: 1051
By: Phil
Lab #: 20210201-045
Location: Coffin Butte 002

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.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis		
							Date	Time	Tech
BOD	SM5210 B		3.9		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, DRELAP 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: _____





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 Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

DATA REPORT

Client Name: Republic Services
 28972 Coffin Butte Rd
 Corvallis, OR 97330

Reference Number: 21-03440
 Project: Stormwater

System Name:
 System ID Number:
 Source Number:
 Multiple Sources:
 Sample Type:
 Sample Purpose: Investigative or Other
 Sample Location: Coffin Butte
 County:

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:

Sarah P Miller
 Lab Manager, Corvallis

EPA#	ANALYTES	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	

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 laboratory 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.



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 Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

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

EPA#	ANALYTES	RESULTS	UNITS	LOD	MCL	Analyst	Lab Code*	METHOD	Analyzed	COMMENT
3014	Microbiology E. Coli	517	MPN/100ml	1		mdp	OR100009 d	SM9223 B.2.b/Colilert-18	02/02/21 11:15	

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 laboratory 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.



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

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The
Expert**

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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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Definitions/Glossary

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-146191-1



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
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)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-146191-1

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

Client Sample ID: 3.9.21.CB.002

Lab Sample ID: 280-146191-1

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



This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: Republic Services Inc
Project/Site: Coffin Butte

Job ID: 280-146191-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN

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

Client Sample ID: 3.9.21.CB.002
Date Collected: 03/09/21 09:08
Date Received: 03/10/21 10:10

Lab Sample ID: 280-146191-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	50		4.0	1.1	mg/L			03/11/21 13:39	1



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
Analysis Batch: 528833

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.1	mg/L			03/11/21 13:39	1

Lab Sample ID: LCS 280-528833/2
Matrix: Water
Analysis Batch: 528833

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	94.8		mg/L		95	79 - 114

Lab Sample ID: 280-146191-1 DU
Matrix: Water
Analysis Batch: 528833

Client Sample ID: 3.9.21.CB.002
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	50		49.2		mg/L		2	10



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

Lab Sample ID: 280-146191-1

Date Collected: 03/09/21 09:08

Matrix: Water

Date Received: 03/10/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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



Client Information Client Contact: Phil Caruso Company: Republic Services Inc Address: 28972 Coffin Butte Rd City: Corvallis State, Zip: OR, 97330 Phone: 541-745-5792(Tel) Email: pcaruso@republicservices.com Project Name: 921711; Valley Landfill Site: Coffin Butte		Lab PM: Harrington, Danielle M E-Mail: danielle.harrington@testamericainc.com Carrier Tracking Note(s): COC No: 280-79764-26097.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 3921 CB 002 WO #: 28017984 Project #: 921711; Valley Landfill SSOV#:		Analysis Requested 2540D - Total Suspended Solids 200.7 - Total Zinc Performance (Yes or No) Field Filtered Sample (Yes or No) 1664A, Calc. Oil and Grease SM5210B, BODCalc, BOD/ Dissolved Oxygen 625 Total Copper PH Ammonia Total Number of Containers: <input checked="" type="checkbox"/>	
Sample Identification Sample ID: 3921 CB 002 Sample Date: 3/9/21 Sample Time: 07:08 Sample Type (C=Comp, G=grab) Preservation Code: G Matrix (Hexane, Methylene Chloride, Other): Water Water		Special Instructions/Note: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (Specify)	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by: Phil Caruso Relinquished by: Phil Caruso Relinquished by: Phil Caruso Relinquished by: Phil Caruso Date: 3/9/21 09:00 Date/Time: 3/9/21 09:00 Date/Time: 3/9/21 09:00 Date/Time: 3/9/21 09:00 Company: Company Company: Company Company: Company Company: Company			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:			
Cooler Temperature(s) °C and Other Remarks: 1.1 (FHO.6 TPA)			

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 280-146191-1

Login Number: 146191

List Source: Eurofins TestAmerica, Denver

List Number: 1

Creator: O'Hara, Jake F

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 <math><6\text{mm}</math> (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

TO: Republic Services Corvallis ATTEN. Phil and Ian
28972 Coffin Butte Rd
Corvallis, OR 97330

2/23/2021

REPSERCOR

PO#:

Collection Information

Date: 2/18/2021
Time: 1050
By: Phil
Lab #: 20210218-028
Location: outfall 002

Lab Receipt Information

2/18/2021
14106
MH

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.

Analyte	Method	Acc* Results	Qual	MRL	Units	Analysis		
						Date	Time	Tech
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.

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

Approved by: _____



TEST REPORT

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

TO: Republic Services Corvallis ATTN. Phil and Ian
28972 Coffin Butte Rd
Corvallis, OR 97330

2/23/2021

REPSERCOR

PO#:

Collection Information

Date: 2/18/2021
Time: 1034
By: Phil
Lab #: 20210218-027
Location: outfall 001

Lab Receipt Information

2/18/2021
14106
MH

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.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis	
							Date Time	Tech
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, DRELAP 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: _____





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 Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

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:

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	

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 laboratory 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.



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

DATA REPORT

Client Name: Republic Services
 28972 Coffin Butte Rd
 Corvallis, OR 97330

Reference Number: 21-05770
 Project: Stormwater

System Name:
 System ID Number:
 Source Number:
 Multiple Sources:
 Sample Type:
 Sample Purpose: Investigative or Other
 Sample Location: Outfall 002
 County:

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

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	SM9223 B.2.b/Colilert-18	02/19/21 10:56	

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 laboratory 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.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE OF



Edge Corvallis
540 SW 3rd St
Corvallis, OR 97333
541-753-4946

REPORT TO: <u>Phil Caruso</u>	BILL TO: <u>same</u>	21-05770
ADDRESS: <u>28972 Coffin bottle Rd</u>	ADDRESS: <u>11268 - 11269</u>	
CITY: <u>Corvallis</u>	CITY: <u>OR 97330</u>	CHECK REGULATORY PROGRAM
ATTN: <u>Phil Caruso</u>	STATE: <u>OR</u>	<input type="checkbox"/> SAFE DRINKING WATER ACT
PHONE: <u>541-488-4357</u>	FAX: <u> </u>	<input type="checkbox"/> CLEAN WATER ACT
EMAIL: <u>p.caruso@republicservices</u>	ATTN: <u> </u>	<input type="checkbox"/> RCRA / CERCLA
PROJECT NAME: <u>Coffin bottle Stormwater</u>	<input type="checkbox"/> VISA <input type="checkbox"/> MC <input type="checkbox"/> A/E <input type="checkbox"/> EXPIRES <u> </u> / <u> </u> / <u> </u>	<input type="checkbox"/> OTHER

- INSTRUCTIONS**
- USE ONE LINE PER SAMPLE LOCATION.
 - BE SPECIFIC IN TEST REQUESTS.
 - NEW LIST EACH METAL INDIVIDUALLY. NEW
 - CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
 - ENTER NUMBER OF CONTAINERS.

- TURN AROUND TIME REQUIRED**
- STANDARD
 - HALF-TIME (50% SURCHARGE)
 - QUICKEST (100% SURCHARGE) PHONE CALL REQ.
 - EMERGENCY (PHONE CALL REQUIRED)

SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE MATRIX *	DATE	TIME	ANALYSIS REQUESTED	NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/CONDITIONS ON RECEIPT
1	2-18-21.CB.001	G	W	4/18/21	10:34			
2	2-18-21.CB.002	G	W	2/18/21	10:50			
3								
4								
5								
6								
7								
8								
9								
10								

SAMPLED BY: _____ PHONE: _____ FAX: _____ EMAIL: _____

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) * W-WATER DW-DRINKING WATER SW-SURFACE WATER WW-WASTE WATER OL-OIL
 S-SOIL OTHER _____

RELINQUISHED BY: <u>Phil Caruso</u>	DATE: <u>2/18/21</u>	TIME: <u>11:05</u>	RECEIVED BY: <u>[Signature]</u>	DATE: <u>2-18-21</u>	TIME: <u>11:08</u>

CUSTOMY SEALS INTACT

SAMPLE TEMP 29 °C SATISFACTORY

EVIDENCE OF COOLING SAMPLES RECEIVED INTACT

CHAIN OF CUSTODY & LABELS AGREE

YES NO N/A



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

pH CALIBRATION LOG
ROUTINE pH METER
CALIBRATION CHECK

SERIAL NUMBER: 16326011

INSTRUMENT: Hach H138 miniLab Pro

FREQUENCY: Calibrate 1-2 hours prior to use

Accuracy = +/- 0.1 pH units

DATE	Buffer 1	Buffer 1 Expiration	Buffer 2	Buffer 2 Expiration	Buffer 3	Buffer 3 Expiration	pH Calibration	
							Expected	Observed
2/1/21	7.0	3/22	4.0	4/21	10.0	12/21	7.0	7.0

Name Collector/ Analyzer: Phil Caruso Signature: [Signature]

Time Calibrated: _____

OUTFALL NAME	TIME COLLECTED	TIME ANALYZED	pH OUTFALL	pH DUPLICATE	AVERAGE (M)	RPD %
001	10:27	10:27	8.1	7.9	8.0	2.5
002	10:51	10:51	7.7	7.7	7.7	0.0

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.

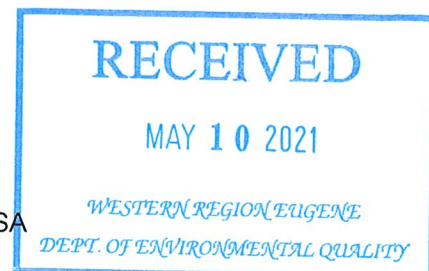
Sincerely,

TUPPAN CONSULTANTS LLC



Eric J. Tuppan, R.G.
Project Manager

t 503 675 1335 | c 503 866 2551
eric@tuppanconsultants.com | www.tuppanconsultants.com
460 Second Street, Suite 103, Lake Oswego, Oregon 97034 USA





State of Oregon
Department of
Environmental
Quality

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.

Facility Information

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 *see 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

City of Portland City of Eugene

Primary SIC Code: 4953 Secondary SIC Code: N/A

Monitoring Information

Number of discharge point(s): 2 Number of monitoring location(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.

<u>10/9/2018</u>			
<u>12/9/2019</u>			

DMR Submittal Checklist

Please check all applicable documents are included with you DMR submittal:

- Original Signature Laboratory Reports Chain of Custody QA/QC form Lab pH field sheets

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)).

Signature: Date: 7/27/21

Printed Name: Shawn Edmonds Title: General Manager
Legally Authorized Representative

Email: sedmonds@republicservices.com

*2018 1200-Z permit, page 29

RECEIVED

Telephone : (541) 286-8749

AUG 02 2021

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



State of Oregon
Department of
Environmental
Quality

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.

Impairment Pollutants and Reference Concentrations
 (see permit assignment letter for identification of required parameters)

Monitoring Location(s)	Sample Date	Aldrin	Ammonia	Arsenic, Total Recoverable	BOD ₅	Cadmium, Dissolved	Chlordane	Chlorpyrifos	Chromium III, Dissolved
		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)				
001	12/16/20				ND (2.0)				
001	02/01/21				ND (2.0)				
001	02/18/21				ND (2.0)				
Geometric 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				ND (2.0)				
Geometric Mean					2				
Geometric Mean									
Geometric Mean									
Geometric Mean									
Impairment Ref. Concentration		0.003	1.0	0.34	30	See Letter	0.0024	0.000083	See Letter



State of Oregon
Department of
Environmental
Quality

For official use only:

Legal Name:

DEQ File No: DEQ File No:

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.

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

Refer to the permit assignment letter for effluent limit sampling requirements

Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing area from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
			23.0	15.0	6.0-9.0			50	6.0-9.0		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	pH
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Jul-Sep 2020		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
001	11/16/20		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		ND (2.0)	15	ND (0.10)	ND(0.0099)	ND(0.059)	ND(0.0099)	ND(0.0099)	0.0074	8
Limit			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	Naphthalene	p-Cresol	Phenol
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
			mg/L	mg/L	mg/L	mg/L	s.u.				
Limit			0.072	1.1	1.1	0.535	6.0-9.0				



DEQ
State of Oregon
Department of
Environmental
Quality

For official use only:
 Legal Name: _____
 DEQ File No: _____ DEQ File No: _____

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.

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

Refer to the permit assignment letter for effluent limit sampling requirements.

Monitoring Location(s)	Sample Date	Discharges from asphalt emulsion facilities	Total Suspended Solids	Total Oil & Grease	pH	Discharges from material storage piles at cement manufacturing facilities	Discharges from coal storage piles at Steam Electric Generating Facilities	Total Suspended Solids	pH	Runoff containing area from airfield pavement deicing	Ammonia as Nitrogen
			mg/L	mg/L	s.u.			mg/L	s.u.		mg/L
Limit			23.0	15.0	6.0-9.0			50	6.0-9.0		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	pH
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
002	Jul-Sep 2020		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
002	11/16/20		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		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			50.0							
Limit			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	Naphthalene	p-Cresol	Phenol
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit			220	88	10	0.042	0.024	0.119	0.059	0.024	0.048
Monitoring Location(s)	Sample Date	Discharges from hazardous waste landfills	Pyridine	Arsenic, Total	Chromium, Total	Zinc, Total	pH				
			mg/L	mg/L	mg/L	mg/L	s.u.				
Limit			0.072	1.1	1.1	0.535	6.0-9.0				

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

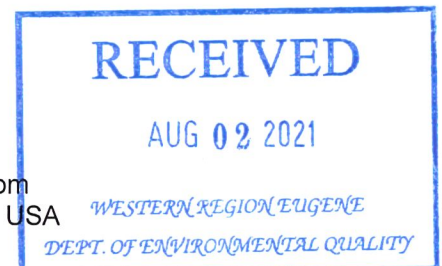


Eric J. Tuppan, R.G.
Project Manager

Attachments: 4th Quarter 2020-21 DMR

cc: Ian Macnab; Republic Services (electronic copy)
Broc Kienholz; Republic Services, (electronic copy)

t 503 675 1335 | c 503 866 2551
eric@tuppanconsultants.com | www.tuppanconsultants.com
460 Second Street, Suite 103, Lake Oswego, Oregon 97034 USA





Oregon

Kate Brown, Governor

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
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	pH	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 landfills	BOD	140 mg/L, daily maximum		Per Schedule E.L.7
		37 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	TSS	88 mg/L, daily maximum		Per Schedule E.L.7
		27 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Ammonia	10 mg/L, daily maximum		Per Schedule E.L.7
		4.9 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Alpha Terpineol	0.033 mg/L, daily maximum		Per Schedule E.L.7
		0.016 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Benzoic Acid	0.12 mg/L, daily maximum		Per Schedule E.L.7
		0.071 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	p-Cresol	0.025 mg/L, daily maximum		Per Schedule E.L.7
		0.014 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Phenol	0.026 mg/L, daily maximum		Per Schedule E.L.7
		0.015 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Total Zinc	0.20 mg/L, daily maximum		Per Schedule E.L.7
		0.11 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	pH	6.0-9.0	s.u.	Per Schedule E.L.7



Oregon

Kate Brown, Governor

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

October 24, 2018

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

Issued by email: sedmonds@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 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

October 24, 2018

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	pH	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	Pollutant	Impairment Reference Concentration ³	Units	Frequency
River Mile: 4				
Soap Creek	BOD	30	mg/L	Four times per year
Numeric Effluent Limits	Pollutant	Numeric Effluent Limits	Units	Frequency
Non-hazardous waste landfills	pH	6-9	SU	Per Schedule E.L.7
Non-hazardous waste landfills	BOD ₅	140 mg/L, daily maximum		Per Schedule E.L.7
		37 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	TSS	88 mg/L, daily maximum		Per Schedule E.L.7
		27 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Ammonia	10 mg/L, daily maximum		Per Schedule E.L.7
		4.9 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Alpha Terpineol	0.033 mg/L, daily maximum		Per Schedule E.L.7
		0.016 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Benzoic Acid	0.12 mg/L, daily maximum		Per Schedule E.L.7
		0.071 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	p-Cresol	0.025 mg/L, daily maximum		Per Schedule E.L.7
		0.014 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Phenol	0.026 mg/L, daily maximum		Per Schedule E.L.7
		0.015 mg/L, monthly avg. maximum		
Non-hazardous waste landfills	Total Zinc	0.20 mg/L, daily maximum		Per Schedule E.L.7
		0.11 mg/L, monthly avg. maximum		

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

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.

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

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, fluorene, 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.



Oregon

Kate Brown, Governor

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

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	pH	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	pH	6-9	SU	Per Schedule E.L.7
		140 mg/L, daily maximum		
		37 mg/L, monthly avg. maximum		
		88 mg/L, daily maximum		
		27 mg/L, monthly avg. maximum		
		10 mg/L, daily maximum		
		4.9 mg/L, monthly avg. maximum		
		0.033 mg/L, daily 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 maximum		
		0.014 mg/L, monthly avg. maximum		
		0.026 mg/L, daily maximum		
		0.015 mg/L, monthly avg. maximum		
		0.20 mg/L, daily maximum		
		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.

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

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

Benton County
EPA# ORR501175
LLID: 1231630447305
River Mile: 4

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

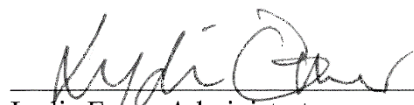
SOURCES COVERED UNDER THIS PERMIT:

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

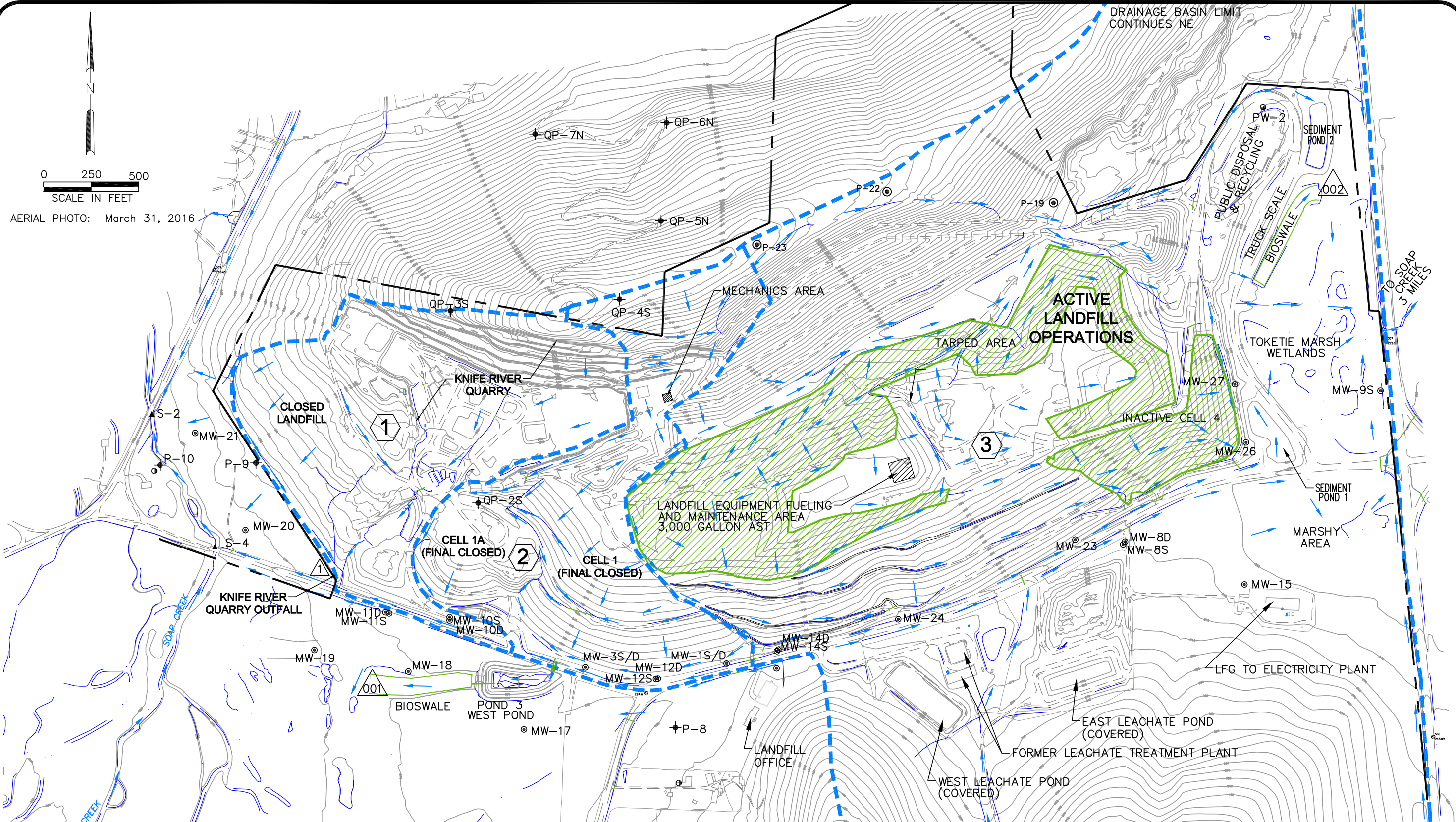
1. The stormwater is associated with an industrial activity identified in Table 1: Sources Covered or listed in Table 2: Additional Activities Covered; or
2. The facility is notified in writing by the Director that coverage under this permit is required for its stormwater discharges (see Note 1 below).

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:
 - i. 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

Issuance Date: August 1, 2017



EXPLANATION

	DRAINAGE AREA BOUNDARY		SURFACE WATER FLOW DIRECTION
	SURFACE WATER MONITORING POINT		DOMESTIC WELL
	MONITORING WELL		PIEZOMETER
	LANDFILL SUPPLY WELL		DISCHARGE POINT
	DRAINAGE AREA		

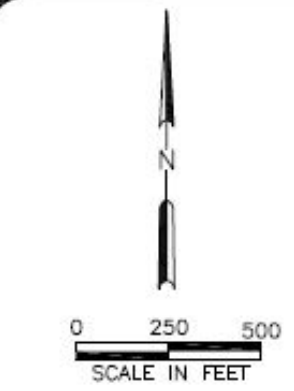
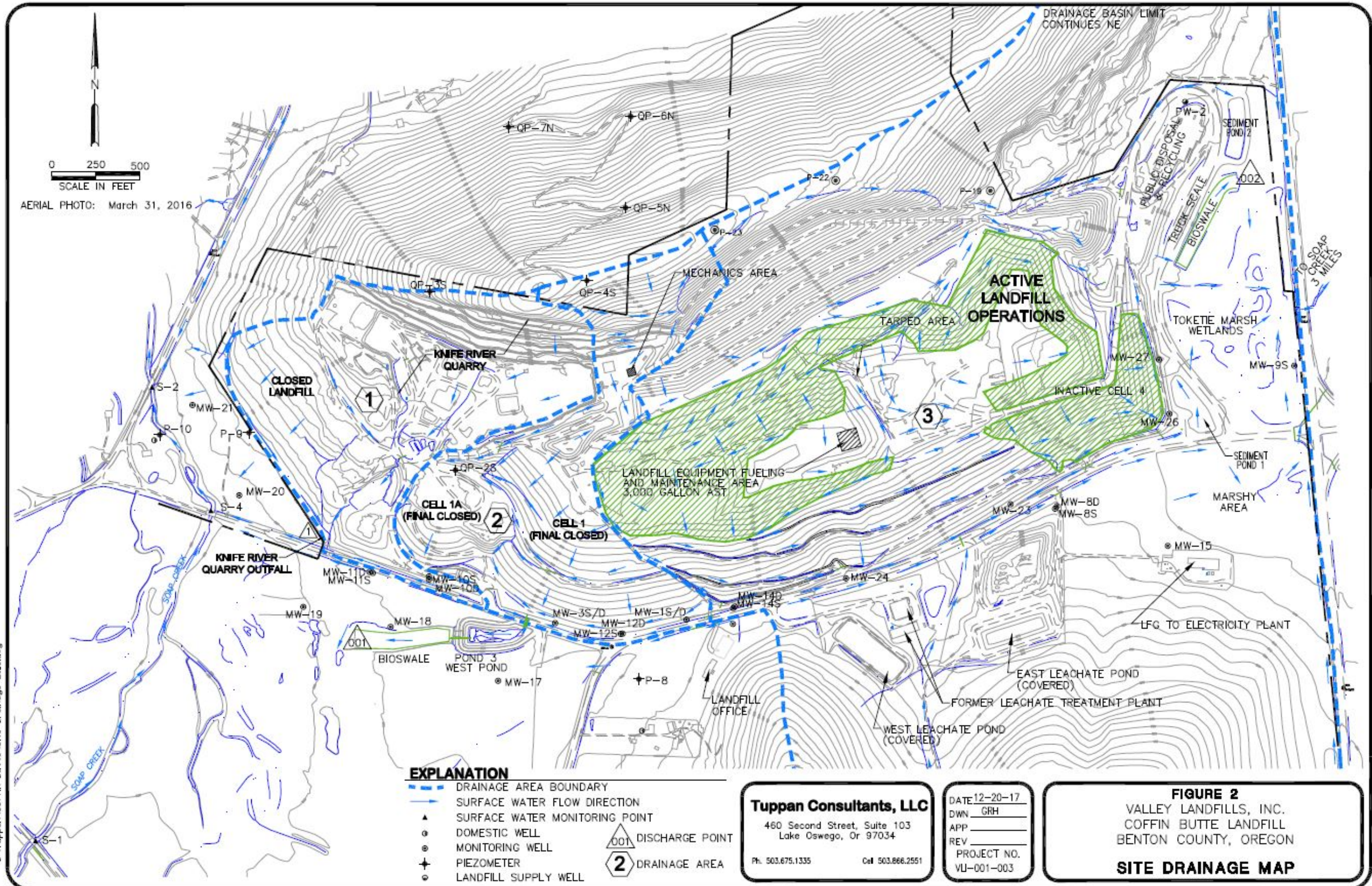
Tuppan Consultants, LLC
 460 Second Street, Suite 103
 Lake Oswego, Or 97034
 Ph. 503.675.1335 Cell 503.866.2551

DATE 12-20-17
 DWN GRH
 APP _____
 REV _____
 PROJECT NO. VLI-001-003

FIGURE 2
 VALLEY LANDFILLS, INC.
 COFFIN BUTTE LANDFILL
 BENTON COUNTY, OREGON
SITE DRAINAGE MAP

Dec. 20, 2017
 D:\Tuppan\Coffin Butte\Site Drainage 2016.dwg

Coffin Butte Landfill - Basis of Decision



AERIAL PHOTO: March 31, 2016

EXPLANATION

	DRAINAGE AREA BOUNDARY		SURFACE WATER FLOW DIRECTION
	SURFACE WATER MONITORING POINT		DOMESTIC WELL
	MONITORING WELL		DISCHARGE POINT
	PIEZOMETER		DRAINAGE AREA
	LANDFILL SUPPLY WELL		

Tuppan Consultants, LLC
 460 Second Street, Suite 103
 Lake Oswego, Or 97034
 Ph. 503.675.1335 Cell 503.866.2551

DATE	12-20-17
DWN	GRH
APP	
REV	
PROJECT NO.	VU-001-003

FIGURE 2
 VALLEY LANDFILLS, INC.
 COFFIN BUTTE LANDFILL
 BENTON COUNTY, OREGON
SITE DRAINAGE MAP

Dec. 20, 2017 D:\Tuppan\Coffin Butte\Site Drainage 2016.dwg