



JOHN ALLARD, ROSEVILLE, CHAIR
BONNIE GORE, PLACER COUNTY
BILL HALLDIN, ROCKLIN
DAN KARLESKINT, LINCOLN
ROBERT WEYGANDT, PLACER COUNTY
KEN GREHM, EXECUTIVE DIRECTOR

MEETING OF THE BOARD OF DIRECTORS

AGENDA

October 10, 2019 5:00 PM

Materials Recovery Facility Administration Building
3013 Fiddymment Road, Roseville, CA 95747

Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection at the Clerk of the Board, 3013 Fiddymment Road, Roseville, CA 95747, during normal business hours and at the meeting location immediately before and during the meeting. The Western Placer Waste Management Authority is committed to ensuring that persons with disabilities are provided the resources to participate fully in its public meetings. If you are hearing impaired, we have listening devices available. If you require additional disability-related modifications or accommodations, including auxiliary aids or services, please contact the Clerk of the Board at (916) 543-3960. If requested, the agenda shall be provided in appropriate alternative formats to persons with disabilities. All requests must be in writing and must be received by the Clerk five business days prior to the scheduled meeting for which you are requesting accommodation. Requests received after such time will be accommodated if time permits.

1. Call Meeting to Order
2. Pledge of Allegiance (Director Uhler)
3. Roll Call
4. Statement of Meeting Procedures (Clerk of the Board)
5. Agenda Approval
6. Public Comment

This is a time when persons may address the Board regarding items not on this Agenda. It is requested that comments be brief, since the Board is not permitted to take any action on items addressed under Public Comment.

7. Announcements & Information
 - a. Reports from Directors ----
 - b. Report from the Executive Director (Ken Grehm) ----
 - c. Financial Reports (Becky Correa) Pg. 3
 - c. Monthly Tonnage Reports (Keith Schmidt) ----
 - d. Renewable Placer: Waste Action Plan Update (Eric Oddo) Pg. 5
 - e. WPWMA Engineer's Report (Keith Schmidt) Pg. 7
8. Consent Agenda
 - a. Minutes of the Board Meeting held September 17, 2019 Pg. 13
Approve as submitted.
 - b. Minutes of the Special Board Meeting held September 23, 2019 Pg. 15
Approve as submitted.
 - c. Household Hazardous Waste Acceptance Policy (Eric Oddo) Pg. 17
Adopt Policy 19-04 associated with the acceptance of household hazardous wastes at the WPWMA's facility.

- d. Third Amendment to the Agreement With SCS Engineers for Water Quality Monitoring and Reporting Services (Keith Schmidt) Pg. 25
Authorize the Chair to sign the Third Amendment to the Water Quality Monitoring and Reporting Agreement with SCS Engineers related to sampling for per- and polyfluoroalkyl substances in leachate and groundwater for a total of \$15,200, increasing the total not-to-exceed cost of the Agreement to \$769,600.
- 9. Action Items
 - a. MRF and WRSL Operating Agreements: Two Year Term Extensions (Eric Oddo) Pg. 55
Authorize the Chair to sign the attached letters exercising the WPWMA's option to extend the term of both the Materials Recovery Facility and Western Regional Sanitary Landfill Operating Agreements for an additional two years each.
 - b. Fiscal Year 2019/20 Final Budgets (Eric Oddo) Pg. 59
Approve the Fiscal Year 2019/20 Final Budgets for the Operating Fund, the Closure Fund and the Self-Insurance Fund as presented in Exhibits A and B.
- 10. Closed Session

Anticipated Litigation:

 - a. Initiation of litigation pursuant to subdivision (d)(4) of Government Code §54956.9: two potential cases.
- 11. Upcoming Agenda Items

Identification of any items the Board would like staff to address at a future meeting.
- 12. Adjournment

Western Placer Waste Management
Income Statement
(unaudited/depreciation excluded)
Year-to-Date
August 2019

	<u>Budget</u>	<u>Actuals</u>	<u>Variance Favorable / (Unfavorable)</u>
Revenue			
42010:Investment Income	31,499	105,052	73,553
42030:Rents and Concessions	16,424	24,463	8,040
46190:Road and Street Services	4,765	52,384	47,619
46250:Solid Waste Disposal	4,510,319	4,741,526	231,207
46380:Interest Income - Loan Repayments	3,661	6,949	3,288
48030:Miscellaneous	23,038	21,113	(1,926)
nue	4,589,706	4,951,487	361,781
Expenses			
Capital Assets:			
54430:Buildings & Improvements	125,000	-	125,000
54450:Equipment	6,242	-	6,242
Operating Expenses:			
52030:Clothing and Personal	333	243	90
52040:Communication Services Expense	5,202	5,205	(3)
52050:Food	167	93	74
52060:Household Expense	42	33	9
52080:Insurance	20,132	90,539	(70,407)
52140:Parts	50	1,753	(1,703)
52160:Maintenance	5,385	1,300	4,084
52170:Fuels & Lubricants	-	43	(43)
52180:Materials - Buildings & Improvements	83	-	83
52240:Professional / Membership Dues	123	2,036	(1,913)
52250:Services and Supplies	2,500	-	2,500
52260:Misc Expense	18,742	108,118	(89,376)
52270:Department Cash Shortage	67	-	67
52320:Printing	3,333	2,149	1,184
52330:Other Supplies	1,667	124	1,543
52340:Postage	333	320	13
52360:Professional and Special Services - General	715,801	64,685	651,116
52370:Professional and Special Services - Legal	-	6,132	(6,132)
52380:Professional and Special Services - Technical, Engineering and Environmental	4,110,131	1,079,234	3,030,897
52390:Professional and Special Services - County	31,808	252,708	(220,900)
52440:Rents and Leases - Equipment	1,333	-	1,333
52450:Rents and Leases - Buildings & Improvements	-	79	(79)
52480:PC Acquisition	4,336	26,019	(21,682)
52510:Commissioner's Fees	600	500	100
52570:Advertising	1,333	500	833
52580:Special Department Expense	-	406	(406)
52790:Transportation and Travel	5,083	607	4,476
52800:Utilities	29,167	9,318	19,849
53190:Taxes and Assessments	78,969	-	78,969
53390:Transfer Out A-87 Costs	8,375	-	8,375
55510:Operating Transfer Out	-	244,101	(244,101)
59000:Appropriation for Contingencies	1,667	-	1,667
Total Expenses	5,178,202	1,896,245	3,281,957
Net Income	(588,496)	3,055,242	3,643,738

Notes:

- Budgeted revenues and expenses are proated equally each month of the fiscal year whereas actual revenues and expenses reflect those realized as of the date of the report. This may lead to notable reported discrepancies between budgeted and actual amounts.
- Differences in the coding between the budgeted and actual revenues and expenses may result in notable reported discrepancies within the report.

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **OCTOBER 10, 2019**
FROM: **KEN GREHM / ERIC ODDO** 
SUBJECT: **RENEWABLE PLACER: WASTE ACTION PLAN UPDATE**

RECOMMENDED ACTION:

None. This report is for informational purposes only.

BACKGROUND:

The following provides an update on the WPWMA's *Renewable Placer: Waste Action Plan* project including development of the environmental document and continued stakeholder engagement.

EIR Project Description

The EIR Project Description is intended to identify project objectives; provide a detailed overview of the project's technical, economic and environmental characteristics; and establish the project's baseline conditions against which the project will be analyzed. The Project Description being prepared by Jacobs will also include refined layouts and visual renderings of the two project concepts being evaluated.

In early September, Jacobs provided a draft of the Project Description for review, discussion and comment by staff and the Member Agency Advisory Committee. Jacobs is currently in the process of refining the document based on input from staff and the Advisory Committee and anticipates submitting a final draft for WPWMA review by mid-October.

Staff anticipates presenting the proposed Project Description to your Board at the November meeting. At that time, staff will provide your Board with options for potential public engagement related to the Project Description.

Renewable Placer: Waste Action Working Group

A project Working Group was convened by the WPWMA earlier this year for the purposes of engaging select stakeholders to better understand their interests and perspectives related to the project and generate project-focused ideas that integrate multiple stakeholder interests. Kearns and West continues to engage the Working Group to align their comments and interests with the project including identification of issues that can be addressed by the EIR and those that will be more appropriately addressed outside the environmental review process.

Stakeholder Engagement

Staff continue to identify targeted audiences and appropriate engagement and media opportunities to inform the public about the project. Prior to CEQA initiation, staff presented the Waste Action Plan to Member Agency councils and the Board of Supervisors as well as local Chambers of Commerce and other interested groups in mid-2018. Staff intends to present a project update to these groups upon completion of the Project Description.

Consultation with Native American Tribes

WPWMA staff initiated the consultation process with Native American tribes consistent with the provisions of AB 52 and received written notification from the United Auburn Indian Community (UAIC) requesting consultation. Staff continues to communicate with the UAIC to establish a preliminary meeting and perform a site archaeological reconnaissance survey.

Jacobs recommends the reconnaissance survey be conducted before the end of November to remain on schedule for issuance of the Draft EIR in late Spring or early Summer of 2020. Staff will continue to work with the UAIC and invite them to participate in the survey.

Technical Air Group

As identified in the Second Amendment to Jacob's Agreement, approved by your Board in February 2019, Jacobs will convene a Technical Air Group comprised of Jacobs air quality specialists, WPWMA staff and Placer County Air Pollution Control District staff to establish an understanding of Project-related air issues. Staff anticipate conducting the first Technical Air Group later this month.

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**

DATE: **OCTOBER 10, 2019**

FROM: **KEN GREHM / KEITH SCHMIDT** *KS*

SUBJECT: **WPWMA ENGINEER'S REPORT**

RECOMMENDED ACTION:

None. This report is for information purposes only.

BACKGROUND:

This report focuses on issues specific to the operation of the Materials Recovery Facility (MRF) and Western Regional Sanitary Landfill (WRSL).

Landfill Airspace Consumption and Remaining Capacity

As outlined in the WRSL operating agreement, the WPWMA pays Nortech Landfill, Inc. (NLI) an incentive payment for conserving landfill airspace based on the WPWMA's avoided cost of landfilling. Using the results of a periodic aerial survey, the WPWMA determines the volume of landfill space consumed each year and compares that to the quantity of waste buried at the landfill (according to WPWMA scalehouse records) during the same time period.

Results of the FY 2018/19 survey indicate NLI consumed 527,824 cubic yards of landfill airspace in the process of placing 304,064 tons of waste. This resulted in an average effective density of 1,152 pounds per cubic yard (lb/cy). This figure is within the contractual required range of 1,100 to 1,200 lb/cy, therefore NLI did not qualify for an airspace incentive payment in FY 2018/19.

The WRSL is filled according to a Master Fill Plan established by the WPWMA and permitted by CalRecycle. The current stage of the fill plan (Phase IV) indicates that sufficient landfill capacity will be available until approximately 2024 (assuming landfill disposal rates remain relatively consistent and pending completion of the Module 5 and 13 separation liner mentioned at the end of this report). Staff have programmed the necessary design and construction costs into the Financial Forecast (included with the FY 2019/20 Final Budgets included as Item 9b of this agenda) so that the next landfill module will be ready by this date.

Treated Wood Waste Disposal

As noted in the November 8, 2018 Engineer's Report, the Water Board and Department of Toxic Substances Control (DTSC) have directed the WPWMA cease accepting treated wood waste (TWW) in Modules 15 and 16 due to concerns that these liners have been compromised. Additionally, as noted in the February 14, 2019 Engineer's Report, the Water Board directed the WPWMA to cease accepting sludge in Module 5 due to concerns this module's liner may also be compromised. Consistent with applicable regulations, WPWMA notified DTSC of the situation and ceased accepting TWW in Module 5.

Your Board commissioned SCS Engineers to investigate these allegations. The analysis suggests that the Module 15 liner is not compromised and the Module 16 liner likely is compromised. Analysis of the Module 5 liner system is inconclusive and SCS has recommended additional analysis. Staff continue to closely monitor and control leachate levels and gas pressures in these modules to better understand if there may be physical defects with the liner systems or if the migration of chemical constituents between the primary and secondary liners are related to liquid and landfill gas levels.

Because TWW can only be disposed of within a Class II lined module and that Modules 5, 15 and 16 are currently precluded from accepting TWW, these materials can only be disposed in Module 14. Since Module 14 has limited available capacity, staff worked with Nortech to establish a protocol for stockpiling TWW and conduct periodic filling operations in Module 14 as necessary to accept these materials. Since inception of this protocol, the WPWMA has accepted approximately 327 tons of TWW and received approximately \$12,900 in associated tipping fees. Based on discussions with Nortech, staff estimate the cost to dispose of these materials will be approximately \$40,000.

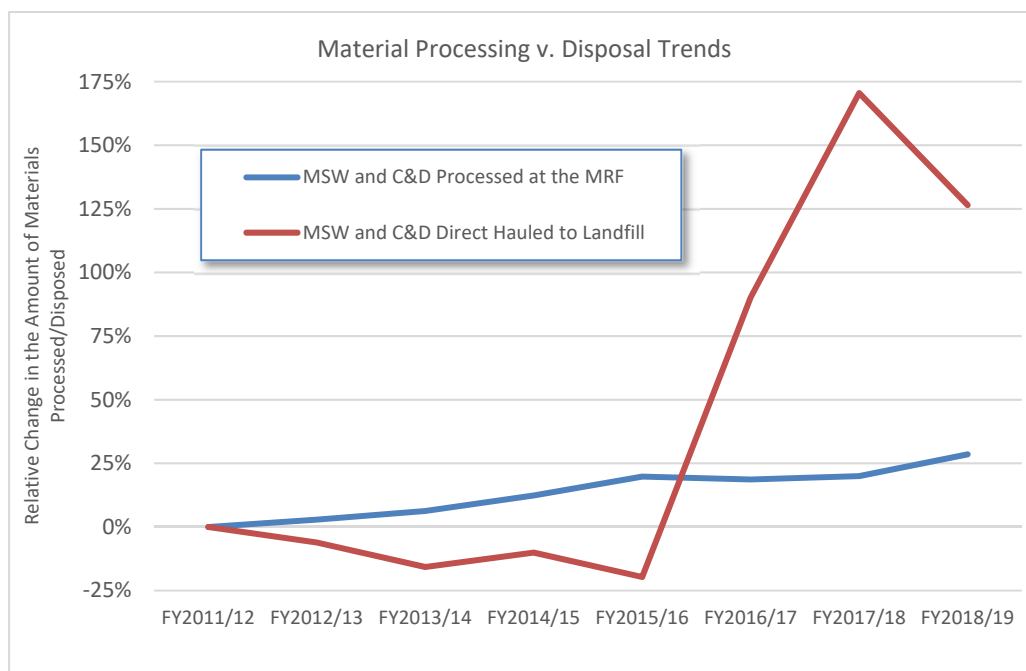
To reduce the cost impact associated with managing TWW, staff intends to limit the acceptance of TWW to the Member Agencies or their designated haulers and small, self-haul loads. Staff will continue to monitor this issue and may return at a subsequent meeting with a recommendation to amend the TWW acceptance policy and associated tipping fee structure.

Landfilling Rates and Waste Diversion

Although the MRF operating agreement requires Nortech to achieve a minimum annual recovery level, the amount and type of material recovered is highly dependent on recyclable commodities market values. Nortech has repeatedly reported that the last several years have shown declining market values for many commodities. Specifically, the average sale value of a ton of recovered recyclables, (excluding alternative daily cover materials and inert materials, both of which are used at the WRSL), declined from approximately \$93/ton in FY 2011/12 to approximately \$45/ton in the FY 2018/19.

While the MRF Operating Agreement requires Nortech to recover a minimum of 50% of the construction and demolition debris (C&D) and 22% of municipal solid waste (MSW) delivered to the MRF, it also allows Nortech to direct less marketable loads directly to the WRSL without processing.

As shown in the figure below, between FY 2011/12 and FY 2015/16, the relative amount of materials directed to the MRF for processing increased while those diverted directly to the WRSL decreased. Beginning in FY 2016/17, the relative amount of materials sent to the WRSL without prior processing increased dramatically. This trend may be a result of factors including China's Green Fence and National Sword policies; increased restrictions on, and reduced demand for, urban woodwaste at biomass facilities; lack of availability of MRF labor and increases in the minimum wage; and capacity limitations at the C&D facility.



While the WRSL currently has sufficient permitted and physical capacity to accept this increased level of disposal in the near term, the recent trends reinforce the need to establish increased facility capacity, promote and support the development of local markets and explore the use of technologies to reduce labor costs.

Green Waste Fires

The green waste (yard clippings, branches, grass) received at the facility is processed by Nortech primarily via grinding and composting. Once composted, Nortech markets the material to wholesalers, landscapers, agricultural users, and the general public.

Several fires have occurred in the green waste receiving and composting areas in the last six months, some lasting several days.¹ The WPWMA received the attached LEA inspection report issuing an Area of Concern related to the recent fires, recommending that Nortech increase visual inspections, temperature monitoring, and general oversight of the green waste operation.

Landfill Gas and the Subsurface Oxidation Event Response

Landfill gas monitoring probes are drilled into the ground approximately every 1,000 feet around the landfill perimeter to verify gas is not migrating from the WRSL. A subsurface oxidation event identified in 2016 required the WPWMA to temporarily reduce vacuum in the landfill, causing some gas migration and exceeding the allowable landfill gas concentrations in several probes. As reported to your Board in May 2019, the landfill gas system operator, SCS Field Services (SCS), has since made adjustments to the gas system which has enabled them to bring the system back into compliance. As of

¹ Green waste fire log: March 2: unground material, lasted several days; April 11: unground material, lasted several days; August 26: material type unrecorded, lasted approximately 6 hours; September 15: unground material, lasted less than 6 hours.

the most recent landfill gas probe readings on September 27, 2019, the probes remain in compliance and all measurements indicate the subsurface oxidation event has stopped.

Landfill gas migration is also measured quarterly by walking the surface of the WRSL while passing a measurement wand immediately above the landfill cover. For several years, these surface measurements have met emissions limits or have been able to be corrected within the allowed 30-day timeline for repair and remonitoring. In the second quarter of 2019, however, surface emissions in approximately 5 acres of the 165-acre waste footprint exceeded the limits for remedial action, which will require the WPWMA to install additional landfill gas wells. Staff anticipate returning to your Board within the coming months with a design contract for this work.

Landfill Leachate Seeps

On March 5, 2019, WPWMA staff detected and reported to the Water Board a series of leachate seeps. Seep water was collected and disposed, and staff submitted an interim report to the Water Board as required. Prior investigations suggested landfill cover thickness, slope and consistency are the dominant factors in seep production.

Staff plans to use drone surveys to document cover placement as Nortech establishes cover. For areas where established cover is suspect, staff recommends the WPWMA hire a third party to conduct a widespread physical verification of landfill cover thickness and condition. In discussions with Nortech, they have noted they plan to perform a similar assessment on a focused area of the landfill surface near Modules 12 and 13.

Design and Construction Projects

The following summarizes the status of the various design and construction efforts previously authorized by your Board:

- **Biomass to Bio-Oil Pilot Study (Permitting, Manufacturing)**

Biogas Energy completed design and has begun manufacturing the machinery that will make bio-oil and bio-char from wood waste. Biogas is scheduled to secure building permits and begin machinery installation by the summer of 2020.

- **Administrative Building Repairs (Construction)**

This project replaces water-damaged interior finishes and adds substantial drainage facilities around the office building. The project is substantially complete and expected to be fully complete by the end of the month.

- **Module 5 / Module 13 Separation Liner (Construction)**

This project extends the liner separating Class 2 waste from Class 3 waste (i.e. waste which does not include TWW and sludges) to meet regulatory requirements as the WRSL is filled. Due to a current vacancy in the WPWMA Associate Civil Engineer position, Placer County staff is managing this project during construction on behalf of the WPWMA. The contractor was given Notice to Proceed on September 16, 2019 and is scheduled to mobilize October 7, 2019. The anticipate completion date, barring weather delays, is January 14, 2020.

- **Module 2 and Module 10 Leachate Riser (Construction)**

This project reestablishes the WPWMA's ability to detect and sample leachate from the bottom of Modules 2 and 10. The existing leachate risers were previously damaged in these modules; the Module 10 riser was also impacted by the subsurface oxidation event noted above. Construction bids are scheduled to be received by the County's Procurement Services Division on October 15, 2019.

ATTACHMENTS: LEA INSPECTION REPORT FOR INSPECTION DATED SEPTEMBER 17, 2019

Compostable Materials Handling Operation and Facility Inspection Report (93)

Enforcement Agency:			Local Inspection ID:		
County of Placer					
SWIS Facility File Number (99-xx-9999)		Inspection Date		Program Code	
31-AA-0001		9/17/2019		LEA Periodic	
Time In		Time Out		Inspection Time	
Facility Name			Received By		
Western Placer Waste Mgmt Authority MRF			Western Placer Waste Mgt Authority		
Facility Location			Owner Name		
3195 Athens Ave., Lincoln		95765	WPWMA		
Inspector			Also Present (Name)		
Paul Holloway			Stephanie Ulmer, Latoya Williams, Byron Hildenbrand, Eddy Tapia		

THE ABOVE FACILITY WAS INSPECTED FOR COMPLIANCE WITH APPLICABLE SECTIONS OF DIVISION 30 OF PUBLIC RESOURCES CODE (PRC) AND TITLE 14 AND TITLE 27 CALIFORNIA CODE OF REGULATIONS (CCR)

	No Violations or Areas of Concern
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V	A	Regulations
	X	17867(a)(9) - Fire Prevention, Protection and Control
<p>Comments: The regulation states: "The operator shall provide fire prevention, protection and control measures, including, but not limited to, temperature monitoring of windrows and piles, adequate water supply for fire suppression, and the isolation of potential ignition sources from combustible materials. Firelanes shall be provided to allow fire control equipment access to all operation areas."</p> <p>A small fire in the green waste area again occurred on 9/15/2019 in the early morning. This was in the unprocessed waste material.</p> <p>Facility should increase visual inspections, temperature monitoring, and general oversight of the green waste piles. Several fires have occurred within approximately the last six months.</p> <p>The LEA does acknowledge that the fire did appear to be quickly controlled due to appropriate pile sizes and adequate spacing between piles.</p>		

Inspection Report Comments:

1) Continue to process green waste within 7 days of receipt.
 2) The facility should continue to work with waste haulers to reduce contaminants in the green waste tipped at the site.
 3) No significant odors were observed among the windrows.

ec: CalRecycle; Latoya Williams, Nortech (latoya@nortechwaste.com); Byron Hildenbrand, Nortech (Byron@nortechwaste.com); Paul Szura, Nortech (paul@nortechwaste.com); Christina Hanson, Placer County Environmental Engineering (chanson@placer.ca.gov); Keith Schmidt, Western Placer Waste Management Authority (kschmidt@placer.ca.gov); Stephanie Ulmer, Western Placer Waste Management Authority (sulmer@placer.ca.gov); Heather Wilden, Western Placer Waste Management Authority (hwilden@placer.ca.gov); Paul Sanders, Regional Water Quality Control Board(paul.sanders@waterboards.ca.gov).
 c: file

WESTERN PLACER WASTE MANAGEMENT AUTHORITY

Minutes of September 17, 2019

The meeting of the Western Placer Waste Management Authority Board of Directors was called to order at 6:00 PM by Chairman Allard in the WPWMA Administration Building at the Materials Recovery Facility.

Directors Present:

John Allard
Bonnie Gore
Bill Halldin
Dan Karleskint

Staff Present:

Ken Grehm
Kevin Bell
Eric Oddo
Robert Sandman
Heather Wilden

1. Call Meeting to Order: Chairman Allard called the meeting to order at 6:00 PM.
2. Pledge of Allegiance: Director Halldin led the Pledge of Allegiance.
3. Roll Call: Director Weygandt was absent.
4. Statement of Meeting Procedures: Heather Wilden read the Statement of Meeting Procedures into the record.
5. Agenda Approval: Director Gore requested that one of the potential cases identified under Closed Session be postponed to a future date when all directors are present.

MOTION TO APPROVE AGENDA AS AMENDED:

Gore/Karleskint

ROLL CALL VOTE:

Halldin: Yes
Karleskint: Yes
Allard: Yes
Gore: Yes

6. Public Comment: None.
7. Announcements & Information:
 - a. Reports from Directors: There were no reports from the Directors.
 - b. Reports from the Executive Director: Ken Grehm provided a copy of the comment letter prepared by Churchwell White on behalf of the WPWMA regarding SB1383.
 - c. Monthly Tonnage Reports: Eric Oddo summarized the report. There were no questions from the Board.
 - d. Community Meeting to Discuss Odors: Eric Oddo summarized the report. Director Halldin indicated he plans to attend. Director Allard requested that an email reminder be sent to the Board.

8. Consent Agenda:

a. Minutes of the Board Meeting held August 8, 2019:

Staff recommended approving the minutes as submitted.

b. Non-Disclosure Agreement with Nortech Waste LLC:

Staff recommended approving a Non-Disclosure Agreement with Nortech Waste, LLC related to potential future operation of the Materials Recovery Facility and authorize the Executive Director to execute the NDA, and further authorize individual directors, alternates and identified WPWMA representatives to acknowledge the NDA as called for in the agreement.

MOTION TO APPROVE CONSENT AGENDA:

Gore/Halldin

ROLL CALL VOTE:

Halldin: Yes

Karleskint: Yes

Allard: Yes

Gore: Yes

9. Closed Session:

Anticipated Litigation:

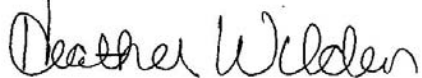
a. Initiation of litigation pursuant to subdivision (d)(4) of Government Code §54956.9: one potential case.

WPWMA Counsel reported out of closed session noting that the Board heard one potential case pursuant to 9a and provided direction.

10. Upcoming Agenda Items: None.

11. Adjournment: Meeting was adjourned at 6:44 PM.

Respectfully Submitted,



Heather Wilden, Clerk of the Board
Western Placer Waste Management Authority

WESTERN PLACER WASTE MANAGEMENT AUTHORITY

Minutes of September 23, 2019

The Special Meeting of the Western Placer Waste Management Authority Board of Directors was called to order at 6:00 PM by Chairman Allard in the WPWMA Administration Building at the Materials Recovery Facility.

Directors Present:

John Allard
Bonnie Gore
Bill Halldin
Dan Karleskint
Kirk Uhler

Staff Present:

Kevin Bell
Eric Oddo
Robert Sandman
Heather Wilden

1. Call Meeting to Order: Chairman Allard called the meeting to order at 6:00 PM.
2. Pledge of Allegiance: Director Karleskint led the Pledge of Allegiance.
3. Roll Call: All Directors were present.
4. Statement of Meeting Procedures: Heather Wilden read the Statement of Meeting Procedures into the record.
5. Agenda Approval: There were no changes to the agenda.

MOTION TO APPROVE:

Karleskint/Halldin

Vote: Unanimous

6. Public Comment: None.
7. Announcements & Information:
 - a. Reports from Directors: There were no reports from the Directors.
 - b. Reports from the Executive Director: There were no reports from the Executive Director.
8. Closed Session:

Anticipated Litigation:

 - a. Initiation of litigation pursuant to subdivision (d)(4) of Government Code §54956.9: one potential case.
WPWMA Counsel reported out of closed session noting that the Board heard one potential case pursuant to 8a and provided direction.
9. Upcoming Agenda Items: Chairman Allard requested updates on both the Labor Study and Master Planning projects.
10. Adjournment: Meeting was adjourned at 7:15 PM.

Respectfully Submitted,



Heather Wilden, Clerk of the Board
Western Placer Waste Management Authority

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **OCTOBER 10, 2019**
FROM: **KEN GREHM / ERIC ODDO** 
SUBJECT: **HOUSEHOLD HAZARDOUS WASTE ACCEPTANCE POLICY**

RECOMMENDED ACTION:

Adopt Policy 19-04 associated with the acceptance of household hazardous waste (HHW) at the WPWMA's facility.

BACKGROUND:

Since June 1996, the WPWMA has operated a permanent HHW facility that provides a free and convenient way for Placer County residents to properly dispose of materials that cannot legally be disposed with their regular trash. Use of the facility has grown and the WPWMA has expanded its services to meet customer needs including establishing mechanisms for commercial and limited out-of-county customers to utilize the facility and acceptance of certain HHW delivered by the Participating Agencies or their designated haulers.

Given the increasing facility usage and that proper HHW disposal is a key element of the WPWMA's public education program, staff believes it is important to maintain a clear, concise policy regarding use of the HHW facility. Considering HHW permit conditions and acceptance criteria included in the current Waste Acceptance Policy¹, staff recommends updating the HHW acceptance policy to better reflect current operating conditions.

While the proposed policy reflects conditions that have generally been in place throughout the HHW facility's operating history, staff recommends formalizing two new provisions in the policy:

- 1. Free HHW disposal for collection programs operated by the Participating Agencies or their designated haulers** – To help reduce the amount of HHW improperly disposed in the waste stream and improve convenience to their residential customers, some Participating Agencies are exploring curbside collection of HHW. The proposed policy would allow the Participating Agencies or their designated haulers to deliver these materials to the WPWMA's HHW facility free of charge. This is not anticipated to significantly increase the total amount of HHW managed at the facility and may serve to reduce customer traffic at the facility, particularly on weekends.
- 2. Use of the facility by non-Placer County residents** – Facility records indicate that an increasing number of non-Placer County residents use the HHW facility

¹ At the December 14, 2017 meeting, your Board approved an agreement with Geo-Logic Associates to develop a comprehensive, site-wide Waste Acceptance Policy. The proposed HHW acceptance policy will be integrated into this site-wide policy.

(there was a 25% increase in out-of-county customers between FY 2017/18 and FY 2018/19). To recoup the WPWMA's disposal costs associated with out-of-county residential HHW, the proposed policy would establish fees for HHW delivered to the facility by non-Placer County residents consistent with the WPWMA's actual cost of disposal plus a 5% material handling fee.

Should your Board approve proposed Policy 19-04, staff recommends making the new policy effective November 10, 2019. Furthermore, staff will immediately post the policy on the WPWMA's website and provide copies at the scalehouses and at the HHW facility.

ENVIRONMENTAL CLEARANCE:

The recommended action is not considered a "project" under the California Environmental Quality Act.

FISCAL IMPACT:

Implementation of curbside HHW collection programs by the Participating Agencies could initially increase disposal costs incurred by the WPWMA due to increased quantities delivered to the facility; however, staff anticipate that the long-term impact will be negligible.

Charging out-of-county customers for disposal of HHW will serve to reduce overall HHW disposal costs through direct reimbursement by the customer or by encouraging out-of-county customers to use programs within their jurisdictions.

ATTACHMENT: HHW ACCEPTANCE POLICY 19-04

Western Placer Waste Management Authority Policy #19-04
Household Hazardous Waste Acceptance Policy

This policy outlines the conditions under which the Western Placer Waste Management Authority (WPWMA) will accept Household Hazardous Waste (HHW) materials at its facility that are delivered by: 1) residential customers, 2) commercial customers and 3) Participating Agencies or their Designated Haulers as part of a residential curbside collection program. For the purposes of this policy, “Designated Haulers” means the company or companies granted the exclusive right or franchise to collect municipal solid waste within the boundaries of one or more of the Participating Agencies.

This policy is subject to compliance with current and future law or regulation.

1. Hours and Days of Operation

The HHW facility is open for receipt of materials from 8:00 AM to 5:00 PM every day except for the following holidays: January 1st, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and December 25th.

2. Priority

Use of the HHW facility shall be prioritized as follows:

- Participating Agencies or their Designated Haulers
- Placer County residential customers
- Placer County commercial customers
- Non-Placer County residential customers

3. Acceptable Materials

In accordance with the WPWMA’s HHW facility operating permits, the following materials are accepted at the WPWMA’s HHW facility:

- Household Batteries (including AAA, AA, C, D, button cell, 9-volt, and other rechargeable and single use batteries)
- Fluorescent tubes, compact fluorescent bulbs and other mercury-containing lamps
- Mercury-containing electrical switches and relays, mercury pilot light sensors, mercury gauges, mercury thermometers and thermostats, mercury-added novelties (e.g. greeting cards that play music when opened, etc.)
- Compressed gas cylinders less than 5 gallons/20 pounds (i.e. BBQ size and smaller)
- Paints, stains, varnishes, lacquers, paint strippers, and paint thinners
- Aerosols
- Solvents, degreasers and other cleaning agents

- Pool chemicals
- Other acids and bases
- Pesticides and herbicides
- Automotive batteries
- Motor oil and oil filters, antifreeze, gasoline and other automotive fluids
- Cooking fats, oils and grease
- Sharps and medications (residential customers only)
- Most products labeled DANGER, CAUTION, WARNING, FLAMMABLE, or POISON

4. Prohibited Materials

In accordance with the WPWMA’s HHW facility operating permits, the WPWMA cannot accept the following materials:

- Radioactive materials
- Explosives
- Ammunition
- Medical waste
- Compressed gas cylinders over 20 pounds

The WPWMA and/or its contract HHW facility operator shall have the sole discretion in determining whether a material constitutes a prohibited material.

5. Allowable Quantities and Disposal Costs

The WPWMA will accept material in the following quantities and at the following rates; both of which are subject to change without notice.

Placer County residential customers:	<p>Free disposal of up to fifteen (15) gallons OR one hundred twenty-five (125) pounds (combined) per vehicle per day. Fluorescent tubes and compact fluorescent bulbs limited to a combined 25 units per vehicle per day.</p> <p>Amounts over the specified limit shall be charged at the WPWMA’s current actual cost to dispose/recycle the materials plus a five percent (5%) administrative charge.</p>
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<p>Unincorporated Sacramento County residential customers¹:</p>	<p>Free disposal of up to fifteen (15) gallons OR one hundred twenty-five (125) pounds (combined) per vehicle per day. Fluorescent tubes and compact fluorescent bulbs limited to a combined 25 units per vehicle per day.</p> <p>Amounts over the specified limit shall be charged at the WPWMA's current actual cost to dispose/recycle the materials plus a five percent (5%) administrative charge.</p>
<p>Residential customers from other jurisdictions:</p>	<p>Up to fifteen (15) gallons OR one hundred twenty-five (125) pounds (combined) per vehicle per day. Fluorescent tubes and compact fluorescent bulbs limited to a combined 25 units per vehicle per day.</p> <p>Disposal costs apply and shall be charged at the WPWMA's current actual cost to dispose/recycle the materials plus a five percent (5%) administrative charge.</p>
<p>Commercial customers:</p>	<p>Qualify as a Conditionally Exempt Small Quantity Generator as defined in the California Health and Safety Code, section 25218.1, and Code of Federal Regulations 40, Section 261.5 and have a valid EPA Identification Number.²</p> <p>Up to twenty-seven (27) gallons OR two hundred twenty (220) pounds (combined) per customer per month. Fluorescent tubes and compact fluorescent bulbs limited to a combined 25 units per vehicle per day.</p> <p>Disposal costs apply and shall be charged at the WPWMA's current actual cost to dispose/recycle the materials plus a five percent (5%) administrative charge.</p>
<p>Participating Agencies or their Designated Haulers:</p>	<p>Limits subject to the provisions of Chapter 6.5, Division 20 of the California Health and Safety Code and Title 22 of the California Code of Regulations, Division 4.5.</p> <p>No cost for materials collected as part of a residential, curbside collection program except that any materials received which are not listed herein or are not properly prepared for shipment may be subject to the actual disposal costs incurred by the WPWMA for the subject items plus a five percent (5%) handling charge.</p>

¹ Consistent with the HHW cost sharing agreement dated March 1, 2017 between the WPWMA and County of Sacramento.

² Visit <https://dtsc.ca.gov/apply-for-hazardous-waste-epa-id-number/> or call (800) 618-6942 to apply for a temporary or permanent EPA ID number

6. Proof of Residency

Residential customers may be required to demonstrate proof of residency within Placer County or the Unincorporated portions of Sacramento County to qualify for free disposal of HHW as identified in Section 5 above. A valid photo identification and current utility bill shall constitute adequate proof of residency.

The WPWMA and/or its facility operator shall have the sole discretion to make the final determination as to whether a given load of HHW is residential or commercial in origin and if the load qualifies for free disposal. The type and quantity of materials delivered, and vehicle or license plate markings may be used to determine if a load is commercial or residential in origin.

7. Documentation

Upon request, the Participating Agencies or their Designated Haulers shall provide sufficient documentation verifying that the materials delivered to the WPWMA's HHW facility were collected as part of a residential curbside collection program or shall sign an affidavit provided by the WPWMA stating the same. The WPWMA shall be the sole judge of the sufficiency of any such requested documentation.

8. Transportation Guidelines

Residential and commercial customers are highly encouraged to abide by the following guidelines when transporting HHW to the WPWMA's facility for disposal:

- Transport materials in spill-proof, leak-proof containers
- Secure materials so they can't tip over or leak
- Keep materials in their original containers whenever possible with the label securely attached and readable
- Clearly label products that are not in their original containers
- Do not mix chemicals or other materials together
- Transport materials in the trunk of your car or in the bed of a truck away from the passenger area

9. Preparation for Shipment

The following details the minimum requirements of the Participating Agencies or their Designated Haulers for containerizing or otherwise securing materials prior to delivery to the WPWMA. All materials shall be containerized and transported in such a way as to minimize the potential for leaks, spills, and reactions due to chemical incompatibility. Individual material containers shall not exceed five (5) gallons in size.

- *Latex paint* – Loose packed in a wheeled 96-gallon trash can.
- *Oil based paint, stains, adhesives, caulking, resins and tar* – Loose packed in a wheeled toter.

- *Flammable liquids and fuels* – Materials shall remain in their original container if possible and may be loose packed in a wheeled toter.
- *Oxidizing materials* –Separate oxidizing materials from all other non-oxidizing materials, loose packed in a wheeled toter. Securely bag any compromised containers in a heavy plastic bag.
- *Acids* –Separate acids from all other non-acidic materials, loose packed in a wheeled toter or tub.
- *Bases* –Separate bases from all other non-alkaline materials, loose packed in a wheeled toter or tub.
- *Poisons* – Loose packed in a wheeled toter or tub.
- *Sealed lead acid batteries* – Loose packed in a plastic tote or heavy plastic bag.
- *Household batteries* – The terminals of any battery rated at greater than 9 volts must be securely taped using electrical tape, duct tape or similar strength tape.
- *Fluorescent tubes, compact fluorescent bulbs and mercury-containing lamps* – Packed in closed containers in a manner that prevents the containers from spilling or breaking during transport.
- *Mercury-containing devices other than fluorescent tubes, compact fluorescent bulbs and other mercury-containing lamps* –Wrapped in a heavy plastic bag and secured to ensure no leakage of mercury.
- *Motor oil, cooking fats, fats and greases* – Sealed in a rigid, leak-proof container. The container must be configured with a readily accessible drain valve or drain spout to allow for the transfer of materials into storage tanks located at the WPWMA’s HHW facility.
- *Antifreeze* –In original containers, loose packed in a plastic tote. Secure any compromised containers in a heavy plastic bag.
- *Oil filters* – Drained of any free-flowing oil and placed in a heavy plastic bag to prevent leakage of oil.
- *Compressed gas cylinders* – Loose packed in a plastic box or tote.
- *Fire extinguishers* – Loose packed in a plastic box or tote.
- *Aerosols* – Loose packed in a plastic box or tote.
- *Sharps* – Placed in a sealed rigid plastic container and labeled “Sharps”

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **OCTOBER 10, 2019**
FROM: **KEN GREHM / KEITH SCHMIDT** 
SUBJECT: **THIRD AMENDMENT TO THE AGREEMENT WITH SCS ENGINEERS
FOR WATER QUALITY MONITORING AND REPORTING SERVICES**

RECOMMENDED ACTION:

Authorize the Chair to sign the Third Amendment to the Water Quality Monitoring and Reporting Agreement (Agreement) with SCS Engineers (SCS) related to sampling for per- and polyfluoroalkyl substances in leachate and groundwater for a total of \$15,200, increasing the total not-to-exceed cost of the Agreement to \$769,600.

BACKGROUND:

The WPWMA contracts with SCS to provide regular water quality monitoring and reporting services as part of the facility's Waste Discharge Requirements issued by the State Water Resources Control Board (Water Board). The Water Board recently identified the need to evaluate the degree to which per- and polyfluoroalkyl substances (PFAS) persist in the environment. PFAS are manufactured globally and used in a wide range of industrial and household products, including dental floss, non-stick cookware, food packaging, water repellent textiles, carpet, etc. The Water Board cited studies that have found that exposure to PFAS over certain levels could result in adverse health effects. Because PFAS are thought to be highly mobile through water, the Water Board issued orders to all California landfills pursuant to Water Code section 13267 requiring investigation of PFAS at their facilities.

Specifically, the Water Board issued Order WQ 2019-0006-DWQ which requires the WPWMA develop and implement a work plan for a one-time leachate and groundwater assessment of PFAS at the WRSL, followed by a final technical report. Per WPWMA direction, SCS prepared and submitted a work plan to the Water Board for their approval.

Staff requested a proposal from SCS to implement the approved work plan during the 4th Quarter of 2019 and SCS provided a cost estimate of \$15,200. SCS's proposal includes sampling of 13 groundwater monitoring wells and 8 leachate sumps for PFAS analysis in accordance with the Work Plan and preparation of a report for submittal to the Water Board.

SCS's proposal assumes acceptance of the Work Plan as submitted; any changes to the Work Plan required by the Water Board may result in additional costs. Although staff have not received formal approval from the Water Board on the proposed work plan, discussions with Water Board staff suggest little to no changes to the proposed work plan will be necessary.

ENVIRONMENTAL CLEARANCE:

All work required under this Agreement is categorically exempt under CEQA Guidelines, Article 19, Section 15306 "Information Collection", which allows for data collection when such activities do not result in a serious or major disturbance to an environmental resource.

FISCAL IMPACT:

The cost of providing the services included in the attached Scope is \$15,200. The Third Amendment would increase the total not-to-exceed cost of the Agreement to \$769,600. Sufficient funding for these services is included in the FY 2019/20 Final Budget included in this agenda package for your Board's consideration this evening.

ATTACHMENT: THIRD AMENDMENT

ADMINISTRATING AGENCY: Western Placer Waste Management Authority

AGREEMENT NO.: 45187

DESCRIPTION: Third Amendment to the Water Quality Monitoring Services Agreement

This THIRD Amendment is made to be effective as of, from and after the day of _____ 2019, and between the **WESTERN PLACER WASTE MANAGEMENT AUTHORITY**, a Joint Powers Authority (hereinafter referred to as the "WPWMA"), and **SCS ENGINEERS** (hereinafter referred to as the "Consultant").

RECITALS

1. The WPWMA and Consultant have entered into that certain "Water Quality Monitoring Services Agreement" as of July 13, 2017 which was previously amended by the First Amendment as of May 10, 2018 and the Second Amendment as of April 15, 2019 (hereinafter referred to as the "Agreement").
2. The State Water Resources Control Board (Water Board) issued Order WQ 2019-0006-DWQ for the determination of PFAS at the Western Regional Sanitary Landfill.
3. The WPWMA requested a proposal and SCS prepared a work plan for a one-time leachate and groundwater assessment of PFAS at the WRSL as required by the Order. This service was conducted under Task 4 Additional Services of the Agreement, and created a new Task 13 PFAS SAMPLING AND REPORTING.
4. The WPWMA requested a proposal from SCS for implementation of the submitted work plan as required by the Order and SCS provided a scope of services for a cost of \$15,200.
5. WPWMA staff reviewed the proposal and believes Consultant understands the scope of work, has proposed a reasonable budget, and is uniquely suited to effectively complete the work given their current performance of water quality monitoring services for the WPWMA.
6. The WPWMA and Consultant acknowledge that, by providing these additional services, the total cost of the Agreement shall increase to Seven Hundred Sixty Nine Thousand Six Hundred Dollars (\$769,600).
7. The WPWMA and Consultant desire to amend the Agreement to reflect the revised understanding between the parties as set forth below. All references in this Third Amendment to a Section, to an Appendix, or to an Exhibit shall refer to that Section or Exhibit of the Agreement, and all terms defined in the Agreement shall have the same meaning herein.

NOW THEREFORE, THE PARTIES AGREE AS FOLLOWS:

- a. Exhibit A, Scope of Services, shall be amended to add the following new Task 13 which was authorized by the WPWMA Deputy Executive Director on May 1, 2019 which shall read in its entirety as follows:

"TASK 13 – PFAS SAMPLING AND REPORTING

Consultant shall prepare and submit a Sampling and Analysis Plan (SAP) for a one-time leachate and groundwater assessment of per-and polyfluoroalkyl substances (PFAS) at the WRSL in accordance with Water Board Order WQ 2019-0006-DWQ. Per the Order, Consultant shall include a minimum of the following information in the SAP:

- Consultant shall identify any sampling locations known to have, or suspected to be constructed with, materials containing PFAS compounds, and shall include descriptions of those materials.
- Consultant shall identify and provide justification for the most appropriate groundwater and leachate sampling locations in the current WRSL monitoring network for collection of groundwater samples and leachate samples for analysis of the PFAS compounds specified in Table 1. Consultant shall ensure that all selected locations represent all facility conditions, including background and potentially impacted (i.e. downstream) locations, and including groundwater and leachate samples. Consultant may select multiple leachate locations if multiple separate collection locations are present. Consultant shall prepare a map identifying the proposed monitoring locations.
- Consultant shall prepare a site-specific SAP that includes quality assurance and quality control procedures necessary to ensure valid and representative data is obtained and reported. Consultant shall specify the appropriate sampling procedures, including sampling equipment, sampling containers, the quality of water used for blank preparation and equipment decontamination, sample holding times, and quantities for sampling PFAS compounds. To the extent practicable, Consultant shall minimize cross-contamination by ensuring that all sampling materials, equipment, blanks, containers, and equipment decontamination reagents are free of PFAS.
- Consultant shall follow the analytical method for PFAS analysis based on Order requirements and shall include the required PFAS reporting limits in the SAP.

Consultant shall prepare the SAP under the direction of a California-licensed Professional Geologist or Professional Engineer acting in responsible charge for the content of the SAP, and shall include the signature, stamp, and contact information thereof.”

- b. Exhibit A, Scope of Services, shall be amended to add the following new Task 14 which shall read in its entirety as follows:

“TASK 14 – PFAS SAMPLING WORK PLAN IMPLEMENTATION

Consultant shall perform sampling of 13 groundwater monitoring wells and 8 leachate sumps for PFAS analysis, in accordance with the Work Plan. Consultant shall collect additional samples for quality control consisting of two (2) each of the following: dedicated pump discharge samples, equipment blanks, field blanks, and duplicate samples. Consultant shall also collect a sample of the water used for equipment decontamination if PFAS-free certification cannot be provided by the laboratory, or if non-PFAS-free water is used.

Consultant shall prepare a report of results for submittal to the Water Board within four (4) weeks of receipt of the laboratory results. Consultant shall submit a draft report to the WPWMA for review at least one (1) week prior to submittal of the final report, or other schedule as agreed upon by the WPWMA and Consultant.

Consultant shall not prepare any revisions to the Work Plan as required by the Water Board without prior written approval from the WPWMA.”

- c. The last sentence in item 2. **Payment**, shall be replaced with the following sentence:
 “The total amount payable for all services provided under this Agreement, including Additional Services, shall not exceed Seven Hundred Sixty Nine Thousand Six Hundred Dollars (\$769,600) without the prior written approval of the WPWMA.”
- d. Exhibit B.2 shall be deleted and Exhibit B.3 attached hereto are substituted therefore.
- e. Exhibit G, as attached hereto, shall become a further exhibit to the Agreement.

Except as expressly provided in this Third Amendment, the Agreement shall remain unchanged and in full force and effect. After this Third Amendment is duly executed and delivered by WPWMA and Consultant, this Third Amendment shall be and constitute an integral part of the Agreement.

Executed as of the day first above stated:

WESTERN PLACER WASTE MANAGEMENT AUTHORITY

By: _____ Date: _____
 Chair

SCS ENGINEERS, CONSULTANT

By: _____ By: _____
 E. Wayne Pearce, Vice President Patrick Sullivan, Senior Vice President

Approved as to Form:

By: _____
 WPWMA Counsel

EXHIBIT B.3

PAYMENT FOR SERVICES RENDERED

Payment to Consultant shall be made by the WPWMA on an hourly basis in accordance with the schedule attached hereto as Exhibit B-1.2 and subject to the task budgets listed in Table 1.3, below.

Consultant shall submit invoices monthly and describe in detail the work and work hours performed, staff performing the work, staff hourly rate, and expenses for which reimbursement is claimed. Consultant shall also include with the monthly invoice a spreadsheet indicating task budgets, charges by task for each invoice, cumulative charges to date by task, and percent of budget remaining by task. Consultant shall state hourly time in increments of no less than one-quarter (1/4) of an hour. All invoices shall be submitted to the WPWMA electronically via invoices@wpwma.com.

Provided the work has been satisfactorily performed, WPWMA will pay invoices within thirty (30) days after approval of the invoice. Consultant shall provide additional information requested by the WPWMA to verify any of the amounts claimed for payment in any invoice. The total amount payable for all services provided under this Agreement shall not exceed Seven Hundred Sixty Nine Thousand Six Hundred Dollars (\$769,600).

Table 1.3 – Task Budgets

Task	Description	Existing Budget	3 rd Amendment	Total
1	Routine Measurement, Sampling, Analysis & Reporting	\$479,400	---	\$479,400
2	Compost General Order	\$29,400	---	\$29,400
3	Water Level Pressure Transducers	\$42,800	---	\$42,800
4	Additional Services	\$20,500	(\$5,000)	\$15,500
5	Module 15 & 16 Data Evaluation	\$25,000	---	\$25,000
6	ERA Level 2 Technical Report	\$16,800	---	\$16,800
7	Water Board Response Report	\$7,500	---	\$7,500
8	Engineering Feasibility Study	\$40,000	---	\$40,000
9	Corrective Action Program and Report of Waste Discharge	\$20,000	---	\$20,000
10	Module 5 Data Evaluation	\$11,000	---	\$11,000
11	Water Quality Protection Standard	\$15,000	---	\$15,000
12	Design of Leachate Sump Riser Repairs	\$47,000	---	\$47,000
13	PFAS Sampling and Reporting	---	\$5,000	\$5,000
14	PFAS Work Plan Implementation	---	\$15,200	\$15,200
TOTAL CONTRACT AMOUNT		\$754,400	\$20,200	\$769,600

EXHIBIT G
Order WQ 2019-0006-DWQ



Central Valley Regional Water Quality Control Board

March 20, 2019

CERTIFIED MAIL: 7004 1160 0002 0459 5640

BILL ZIMMERMAN
WESTERN PLACER WASTE MANAGEMENT AUTHORITY
11476 C AVENUE
AUBURN, CA 95603

WATER CODE SECTION 13267 ORDER WQ 2019-0006-DWQ FOR THE DETERMINATION OF THE PRESENCE OF PER- AND POLYFLUOROALKYL SUBSTANCES AT WESTERN REGIONAL LANDFILL, PLACER COUNTY, L10007939295

The enclosed Order was issued pursuant to Water Code section 13267 by the State Water Resources Control Board (State Water Board) and requires that WESTERN PLACER WASTE MANAGEMENT AUTHORITY submit information to the Central Valley Regional Water Quality Control Board (Regional Water Board).

WESTERN REGIONAL LANDFILL is identified as a facility that has accepted, stored, or used materials that may contain per- and polyfluoroalkyl substances (PFAS). Order WQ 2019-0006-DWQ requires you to submit technical reports to investigate PFAS impacts to your site as specified in the Order attachment. If you do not accept these materials, you may submit the completed questionnaire included in the Order.

If you have any questions regarding this Order, please contact Robert Busby at (916) 464-4666 or by email at Robert.Busby@waterboards.ca.gov. Additional questions can be sent via email to pfas@waterboards.ca.gov. PFAS related State Water Board activities, information, and contact information can be found at <http://waterboards.ca.gov/pfas>.

Patrick Pulupa, ESQ.
Executive Officer

Enclosure: Order WQ 2019-0006-DWQ

cc (via email): Robert Busby, Central Valley Regional Water Board

KARL E. LONGLEY SCD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

11020 Sun Center Drive #200, Rancho Cordova, CA 95670 | www.waterboards.ca.gov/centralvalley



State Water Resources Control Board

WATER CODE SECTION 13267 ORDER FOR THE DETERMINATION OF THE PRESENCE OF PER- AND POLYFLUOROALKYL SUBSTANCES

ORDER WQ 2019-0006-DWQ

Pursuant to Water Code section 13267, The State Water Resources Control Board (State Water Board) requires you to submit information as described below. Failure to comply with this Order may subject you to civil liability of up to \$5,000 per day for each day in which the violation occurs.

Your site is identified in **Attachment 1** as a facility that has accepted, stored, or used materials that may contain per- and polyfluoroalkyl substances (PFAS). Therefore, you are required to submit the information in **Attachment 2** to the appropriate Regional Water Quality Control Board (Regional Water Board) identified in the cover letter.

I. BACKGROUND

A. WHAT ARE PFAS?

PFAS is a family of more than 3,000 man-made and mostly unregulated chemicals that have been produced since the mid-1900s. They are mobile, persistent, and bioaccumulative. They are resistant to degradation in the environment and when degradation occurs, it often results in the formation of other PFAS compounds. The PFAS compounds have very different physical and chemical properties. Currently the key classes of concern are perfluoroalkyl sulfonic acids such as the long-chain, more commonly known PFAS, perfluorooctanesulfonate (PFOS) and perfluorooctanoic acid (PFOA).

PFAS are manufactured globally and have been used in the production of a wide range of industrial and household products. PFAS are found in many products such as dental floss, non-stick cookware, food packaging materials, non-stick products (e.g., Teflon™), waterproof and water repellent textiles, water repellent furniture, carpet, polishes, waxes, paints, cleaning products, medical garments, and fire-fighting foams (Aqueous Film-Forming Foams or AFFF). PFAS are used in the Aerospace, Automotive, Chemical, Electronics, Metal Coatings and Plating, and Textiles industries due to their friction-reducing characteristics. Potential firefighting sources of PFAS include airports

and aviation facilities, military bases and training centers, petroleum refineries and terminals, and petrochemical production facilities. Non-industrial PFAS sources include Waste Disposal Facilities, Wastewater Treatment Plant Operations, and Biosolids Application to Agriculture. Secondary sources of PFAS include waste streams such as landfills and wastewater treatment plants. More information on PFAS chemicals can be found at United States Environmental Protection Agency (U.S. EPA) website at: <https://www.epa.gov/pfas>.

PFAS are extremely persistent in the environment and highly mobile in water. People are exposed to PFOS and PFOA through food, food packaging, consumer products, house dust, and drinking water. Since these chemicals have been used in an array of consumer products, scientists have found PFOA and PFOS in the blood of nearly all people tested. Exposure through drinking water has become an increasing concern due to the tendency of PFAS to accumulate in groundwater.

Based on the current available peer-reviewed studies on laboratory animals and epidemiological evidence in human populations, the U.S. EPA released the following statement:

“These studies indicate that exposure to PFOA and PFOS over certain levels may result in adverse health effects, including developmental effects to fetuses during pregnancy or to breastfed infants (e.g., low birth weight, accelerated puberty, skeletal variations), cancer (e.g., testicular, kidney), liver effects (e.g., tissue damage), immune effects (e.g., antibody production and immunity), thyroid effects and other effects (e.g., cholesterol changes).”

Please see U.S. EPA Technical Note for more information:

https://www.epa.gov/sites/production/files/2017-12/documents/ffrrofactsheet_contaminants_pfos_pfoa_11-20-17_508_0.pdf

B. WHICH PFAS?

We are interested in all PFAS that exist in the environment. Due to analytical limitations, the focus of this order is on 39 PFAS analytes including PFOA and PFOS listed in **Attachment 2**. The PFAS analyte list is not exhaustive but is intended to serve as a minimum requirement for sampling pursuant to this Order. Some laboratories may be capable of analyzing additional PFAS that are not included on the list.

C. WHY IS THIS ACTIVITY REQUIRED?

The State Water Board and the Regional Water Boards are charged with the protection of the beneficial uses of water in California, including water used or intended for use as drinking water. If PFAS were used, or materials suspected of containing PFAS were disposed at your facility, technical reports are required to investigate the presence of PFAS. This is part of a statewide effort to determine whether the groundwater is impacted by PFAS and obtain a preliminary understanding of PFAS concentrations at facilities. The State Water Board intends to direct other dischargers identified as potential PFAS sources in the state to perform PFAS testing. The State Water Board and the Regional Water Boards will evaluate the data collected to make informed

decisions in implementing appropriate regulatory action, in anticipation of emerging regulatory standards for PFAS.

In May 2016, the United States Environmental Protection Agency (U.S. EPA) established Health Advisory Levels of 70 parts per trillion (ppt) (0.07 micrograms per liter ($\mu\text{g/L}$)) for PFOA and 70 ppt for PFOS. These concentrations are now considered a screening level. For more information on these advisories see U.S. EPA's website at: <https://www.epa.gov/ground-water-and-drinking-water/drinking-water-health-advisories-pfoa-and-pfos>.

Additionally, in July 2018, the State Water Board's Division of Drinking Water (DDW) issued drinking water notification levels for PFOS and PFOA at 13 ppt and 14 ppt, respectively, per recommendations from California's Office of Environmental Health Hazard Assessment (OEHHA). DDW requires a combined PFOS/PFOA response level of 70 ppt. More information on notification levels for PFAS compounds can be found at: https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/PFOA_PFOS.html.

Water Code section 106.3 indicates it is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by directing investigations to determine the presence of PFAS in and near waters that could be used for drinking water purposes.

Additional justification supporting the need for the investigation is included in **Attachment 2**.

II. WATER CODE SECTION 13267 ORDER FOR TECHNICAL REPORTS

Water Code section 13267(b), provides that "a regional board may require any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region... or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of water within its region shall furnish, under penalty of perjury, technical or monitoring reports which the regional board requires... In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports and shall identify the evidence that supports requiring that person to provide the reports."

Water Code section 13267(f) authorizes the State Water Board to require this information if it consults with the Regional Water Boards and determines that it will not duplicate the efforts of the Regional Water Boards. The State Water Board has consulted with the Regional Water Boards and made this determination. The release of PFAS into the environment or the disposal of wastes containing PFAS constitutes a discharge of waste as defined in Water Code section 13050(d).

Pursuant to this authority, **you are hereby ordered to submit technical reports identified in Attachment 2.** Additional information regarding requirements for submitting technical reports under Section 13267 of the Water Code is included as **Attachment 3.**

III. COST AND BENEFIT OF TECHNICAL REPORTS

Water Code section 13267(b) specifies that the burden, including costs, of these reports must bear a reasonable relationship to the State Water Board's need for the reports and the benefits to be obtained from the reports.

The cost of the technical reports bears a reasonable relationship to the benefit to be gained because, in terms of public health and environmental harm, contamination of groundwater must be identified before corrective action can be taken, if appropriate.

IV. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The issuance of this Order is an action to protect the environment and is categorically exempt from the provisions of the California Environmental Quality Act pursuant to sections 15304 and 15308, Chapter 3, Title 14 of the California Code of Regulations.

V. PENALTIES

Water Code section 13268 provides that failure to submit the required information by the specified compliance date, or falsifying any information provided therein, is a misdemeanor and may result in civil liability. Noncompliance may subject you to civil liability in the amount of up to \$5,000 for each day of violation. Please be advised that compliance with this Order is not a substitute for compliance with other applicable laws.

Perjury Statement

Pursuant to Water Code section 13267(b)(1), the Water Board requires you to include the following perjury statement, signed by a duly authorized representative, in all reports submitted pursuant to this Order:

"I, [NAME], certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, and the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant civil penalties for submitting false information."

March 20, 2019



Date

Eileen Sobek
Executive Director

ATTACHMENTS:

Attachment 1 - List of Facilities

Attachment 2 - Technical Report Requirements & Questionnaire

**Attachment 3 - Fact Sheet – Requirements for Submitting Technical Reports
under Section 13267 of the Water Code**

**ATTACHMENT 1
LIST OF LANDFILL FACILITIES**

WATER CODE SECTION 13267 ORDER FOR THE DETERMINATION OF THE PRESENCE OF PER- AND POLYFLUOROALKYL SUBSTANCES

REGIONAL WATER QUALITY CONTROL BOARD	GEOTRACKER GLOBAL ID	FACILITY	CITY	COUNTY	ZIP CODE
NORTH COAST	L10004060684	SONOMA COUNTY CENTRAL SWDS	PETALUMA	SONOMA	94952
SAN FRANCISCO	L10004740616	3RD AVE LANDFILL	SAN MATEO	SAN MATEO	94403
SAN FRANCISCO	L10008706352	ACME LANDFILL	MARTINEZ	CONTRA COSTA	94553
SAN FRANCISCO	L10001853784	BRISBANE CLASS II LANDFILL	BRISBANE	SAN MATEO	94005
SAN FRANCISCO	L10009873781	BURLINGAME LANDFILL (SPORTS COMPLEX)	BURLINGAME	SAN MATEO	94010
SAN FRANCISCO	L10007637786	CHEVRON RICHMOND REFINERY LANDFILL	RICHMOND	CONTRA COSTA	94802
SAN FRANCISCO	L10001344067	CLOVER FLAT LANDFILL	CALISTOGA	NAPA	94515
SAN FRANCISCO	L10007582376	GUADALUPE LANDFILL	SAN JOSE	SANTA CLARA	95030
SAN FRANCISCO	L10005750092	HIGHWAY 237 LANDFILL	SAN JOSE	SANTA CLARA	95002
SAN FRANCISCO	L10007138953	HILLTOP WEST PROJECT	RICHMOND	CONTRA COSTA	94806
SAN FRANCISCO	L10008210862	KELLER CANYON LANDFILL	PITTSBURG	CONTRA COSTA	94565
SAN FRANCISCO	L10006120966	KIRBY CANYON LANDFILL	MORGAN HILL	SANTA CLARA	95037
SAN FRANCISCO	L10008021218	MARSH ROAD LANDFILL	MENLO PARK	SAN MATEO	94025
SAN FRANCISCO	T10000000086	MUSSEL ROCK LANDFILL	DALY CITY	SAN MATEO	94015
SAN FRANCISCO	L10002804480	NAPA PIPE, CLASS II WMU, 1	NAPA	NAPA	94559
SAN FRANCISCO	L10002276721	NEWBY ISLAND LANDFILL	MILPITAS	SANTA CLARA	95035
SAN FRANCISCO	T10000000095	OLD PLEASANTON LANDFILL	PLEASANTON	ALAMEDA	94566
SAN FRANCISCO	L10001461904	OX MOUNTAIN LANDFILL	HALF MOON BAY	SAN MATEO	94019
SAN FRANCISCO	L10008699117	PALO ALTO LANDFILL	PALO ALTO	SANTA CLARA	94303
SAN FRANCISCO	L10001581143	PETALUMA LANDFILL - CASA GRANDE	PETALUMA	SONOMA	94954
SAN FRANCISCO	T10000001617	PINOLE POINT BUSINESS PARK	RICHMOND	CONTRA COSTA	94806
SAN FRANCISCO	L10009906356	POTRERO HILLS LANDFILL	SUISUN CITY	SOLANO	94533
SAN FRANCISCO	L10001825915	REDWOOD LANDFILL	NOVATO	MARIN	94947
SAN FRANCISCO	L10006514573	SANTA CLARA ALL PURPOSE LANDFILL	SANTA CLARA	SANTA CLARA	95054
SAN FRANCISCO	L10005407108	SOLANO CLASS III DISPOSAL	FAIRFIELD	SOLANO	94533

REGIONAL WATER QUALITY CONTROL BOARD	GEOTRACKER GLOBAL ID	FACILITY	CITY	COUNTY	ZIP CODE
SAN FRANCISCO	L10001577696	STORY ROAD LANDFILL	SAN JOSE	SANTA CLARA	95127
SAN FRANCISCO	L10007465625	VASCO RD SANITARY LANDFILL	LIVERMORE	ALAMEDA	94550
SAN FRANCISCO	L10007627566	WEST CONTRA COSTA LANDFILL	RICHMOND	CONTRA COSTA	94801
SAN FRANCISCO	L10001617019	WEST WINTON LANDFILL	HAYWARD	ALAMEDA	94545
SAN FRANCISCO	L10002780473	ZANKER ROAD CLASS III LANDFILL	SAN JOSE	SANTA CLARA	95134
CENTRAL COAST	L10008111979	BUENA VISTA LANDFILL	WATSONVILLE	SANTA CRUZ	95076
CENTRAL COAST	L10005543257	CHICAGO GRADE LANDFILL	TEMPLETON	SAN LUIS OBISPO	93465
CENTRAL COAST	L10009479187	COLD CANYON LANDFILL	SAN LUIS OBISPO	SAN LUIS OBISPO	93401
CENTRAL COAST	L10008478954	JOHN SMITH LANDFILL	HOLLISTER	SAN BENITO	95023
CENTRAL COAST	L10004488988	JOHNSON CANYON ROAD LANDFILL	GONZALES	MONTEREY	93900
CENTRAL COAST	L10008948495	LOMPOC LANDFILL	LOMPOC	SANTA BARBARA	93436
CENTRAL COAST	L10005501051	MONTEREY PENINSULA LANDFILL	MARINA	MONTEREY	93933
CENTRAL COAST	L10005965610	PASO ROBLES LANDFILL	PASO ROBLES	SAN LUIS OBISPO	93446
CENTRAL COAST	L10003334990	SANTA CRUZ CLASS III LANDFILL	SANTA CRUZ	SANTA CRUZ	95060
CENTRAL COAST	L10008198797	SANTA MARIA LANDFILL	SANTA MARIA	SANTA BARBARA	93454
CENTRAL COAST	L10005252570	TAJIGUAS LANDFILL	TAJIGUAS	SANTA BARBARA	93117
CENTRAL COAST	L10006622590	WATSONVILLE LANDFILL	WATSONVILLE	SANTA CRUZ	95076
LOS ANGELES	L10005042654	AZUSA - WASTE MANAGEMENT INC.	AZUSA	LOS ANGELES	91702
LOS ANGELES	L10001266944	BAILARD LANDFILL	OXNARD	VENTURA	93030
LOS ANGELES	L10008859354	BISHOP'S CANYON LANDFILL	LOS ANGELES	LOS ANGELES	90012
LOS ANGELES	L10005364254	BKK CLASS III LANDFILL	WEST COVINA	LOS ANGELES	91792
LOS ANGELES	L10002384249	BRADLEY LANDFILL & RECYCLING	SUN VALLEY	LOS ANGELES	91352
LOS ANGELES	L10001359910	BURBANK LANDFILL A.K.A. STOUGH PARK	BURBANK	LOS ANGELES	91510
LOS ANGELES	L10005926913	CALABASAS - LA CO SAN DISTRICT	AGOURA HILLS	LOS ANGELES	91301
LOS ANGELES	L10003464243	CHIUQUITA CANYON	VALENCIA	LOS ANGELES	91310
LOS ANGELES	L10009668847	COASTAL / SANTA CLARA LANDFILL	OXNARD	VENTURA	93030
LOS ANGELES	L10001048735	LOPEZ CANYON LANDFILL	LOS ANGELES	LOS ANGELES	91342
LOS ANGELES	L10009967534	PENROSE LANDFILL	LOS ANGELES	LOS ANGELES	91352
LOS ANGELES	L10005092201	PETER PITCHESS LANDFILL	SAUGUS	LOS ANGELES	91350
LOS ANGELES	L10009779056	PUENTE HILLS LANDFILL	WHITTIER	LOS ANGELES	90601
LOS ANGELES	L10006025754	SAVAGE CANYON LANDFILL	WHITTIER	LOS ANGELES	90602
LOS ANGELES	L10009414153	SCHOLL CANYON LANDFILL	GLENDALE	LOS ANGELES	90041

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LOS ANGELES	L10001396701	SIMI VALLEY LANDFILL	SIMI VALLEY	VENTURA	93065
LOS ANGELES	L10001382782	SPADRA LANDFILL	POMONA	LOS ANGELES	91789
LOS ANGELES	L10006014618	SUNSHINE CANYON LANDFILL	SYLMAR	LOS ANGELES	91342
LOS ANGELES	L10006875092	TOLAND ROAD LANDFILL	SANTA PAULA	VENTURA	93060
CENTRAL VALLEY (FRESNO)	L10006109169	AMERICAN AVENUE LANDFILL	KERMAN	FRESNO	93630
CENTRAL VALLEY (FRESNO)	L10002454014	ARVIN SANITARY LANDFILL	ARVIN	KERN	93203
CENTRAL VALLEY (FRESNO)	L10008359729	AVENAL LANDFILL	AVENAL	KINGS	93204
CENTRAL VALLEY (FRESNO)	L10007860247	BALANCE ROCK SWDS	BALANCE ROCK	TULARE	93265
CENTRAL VALLEY (FRESNO)	T0604700239	BILLY WRIGHT LANDFILL	LOS BANOS	MERCED	93635
CENTRAL VALLEY (FRESNO)	L10009752374	CHEMICAL WASTE MANAGEMENT, BAKERSFIELD FACILITY (II - 1 SWDS)	BAKERSFIELD	KERN	93308
CENTRAL VALLEY (FRESNO)	L10005636166	CHEMICAL WASTE MANAGEMENT, KETTLEMAN HILLS FACILITY	KETTLEMAN CITY	KINGS	93239
CENTRAL VALLEY (FRESNO)	L10002239201	CHINA GRADE SANITARY LANDFILL	BAKERSFIELD	KERN	93301
CENTRAL VALLEY (FRESNO)	L10006221337	CLEAN HARBORS- BUTTONWILLOW LANDFILL	BUTTONWILLOW	KERN	93206
CENTRAL VALLEY (FRESNO)	L10006267841	EARLIMART SWDS	EARLIMART	TULARE	93219
CENTRAL VALLEY (FRESNO)	L10002595927	FAIRMEAD LANDFILL	CHOWCHILLA	MADERA	93610
CENTRAL VALLEY (FRESNO)	L10004418064	HANFORD MUNICIPAL SWDS	HANFORD	KINGS	93230
CENTRAL VALLEY (FRESNO)	L10002455947	HIGHWAY 59 LANDFILL	MERCED	MERCED	95348
CENTRAL VALLEY (FRESNO)	L10001263443	KENNEDY MEADOWS SWDS	TULARE (COUNTY)	TULARE	93238
CENTRAL VALLEY (FRESNO)	L10007929434	BAKERFIELD METRO (BENA) LANDFILL	EDISON	KERN	93307

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CENTRAL VALLEY (FRESNO)	L10003029180	SHAFTER-WASCO LANDFILL	SHAFTER	KERN	93263
CENTRAL VALLEY (FRESNO)	L10004769772	TAFT SANITARY LANDFILL	TAFT	KERN	93268
CENTRAL VALLEY (FRESNO)	L10001447079	KERN VALLEY SANITARY LANDFILL	KERNVILLE	KERN	93238
CENTRAL VALLEY (FRESNO)	L10002534140	LOST HILLS SANITARY LANDFILL	LOST HILLS	KERN	93249
CENTRAL VALLEY (FRESNO)	L10008183603	MARIPOSA COUNTY LANDFILL	MARIPOSA	MARIPOSA	95338
CENTRAL VALLEY (FRESNO)	L10001759711	TEAPOT DOME SITE	PORTERVILLE	TULARE	93258
CENTRAL VALLEY (FRESNO)	L10008919544	VISALIA LANDFILL	VISALIA	TULARE	93291
CENTRAL VALLEY (REDDING)	L10007590008	ALTURAS LANDFILL	ALTURAS	MODOC	96101
CENTRAL VALLEY (REDDING)	L10001489269	ANDERSON SOLID WASTE INC.	ANDERSON	SHASTA	96007
CENTRAL VALLEY (REDDING)	L10005078943	BIEBER CLASS III LANDFILL	BIEBER	LASSEN	96056
CENTRAL VALLEY (REDDING)	L10005178265	BLACK BUTTE CL III LANDFILL	MOUNT SHASTA	SISKIYOU	96067
CENTRAL VALLEY (REDDING)	L10008268744	BUCKEYE LANDFILL	SHASTA LAKE	SHASTA	96019
CENTRAL VALLEY (REDDING)	L10008688958	CHESTER LANDFILL	CHESTER	PLUMAS	96020
CENTRAL VALLEY (REDDING)	L10008990142	CITY OF REDDING BENTON CLASS III LANDFILL	REDDING	SHASTA	96001
CENTRAL VALLEY (REDDING)	L10002325362	GLENN COUNTY LANDFILL	WILLOWS	GLENN	95988
CENTRAL VALLEY (REDDING)	L10002176933	GOPHER HILL CLASS III LANDFILL	SPANISH RANCH	PLUMAS	95971
CENTRAL VALLEY (REDDING)	L10004557882	INTERMOUNTAIN CLASS III LANDFILL	CASSEL	SHASTA	96040
CENTRAL VALLEY (REDDING)	L10007580959	MCCLOUD CLASS III LANDFILL	MCCLOUD	SISKIYOU	96057

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CENTRAL VALLEY (REDDING)	L10004555712	NEAL ROAD	CHICO	BUTTE	95928
CENTRAL VALLEY (REDDING)	L10008218225	PORTOLA LANDFILL	PORTOLA	PLUMAS	96122
CENTRAL VALLEY (REDDING)	L10004066371	RED BLUFF LANDFILL	RED BLUFF	TEHAMA	96080
CENTRAL VALLEY (REDDING)	L10002145721	WEST CENTRAL LANDFILL	IGO	SHASTA	96047
CENTRAL VALLEY (REDDING)	L10009892061	WESTWOOD LANDFILL	WESTWOOD	LASSEN	96137
CENTRAL VALLEY (SACRAMENTO)	T10000005189	28TH STREET LANDFILL	SACRAMENTO	SACRAMENTO	95627
CENTRAL VALLEY (SACRAMENTO)	L10005834311	ALTAMONT SANITARY LANDFILL	LIVERMORE	ALAMEDA	94550
CENTRAL VALLEY (SACRAMENTO)	T10000006319	CARPENTER ROAD LANDFILL	MODESTO	STANISLAUS	95354
CENTRAL VALLEY (SACRAMENTO)	T10000007791	DELLAR LANDFILL	SACRAMENTO	SACRAMENTO	95816
CENTRAL VALLEY (SACRAMENTO)	L10009540332	EAST LAKE LANDFILL	CLEARLAKE	LAKE	95422
CENTRAL VALLEY (SACRAMENTO)	L10008601447	ELK GROVE CLASS III LANDFILL	ELK GROVE	SACRAMENTO	95624
CENTRAL VALLEY (SACRAMENTO)	T10000007940	ELVAS QUARRY LANDFILL	SACRAMENTO	SACRAMENTO	95630
CENTRAL VALLEY (SACRAMENTO)	L10006134056	FINK ROAD LANDFILL	CROWS LANDING	STANISLAUS	95313
CENTRAL VALLEY (SACRAMENTO)	L10003929056	FOOTHILL SANITARY LANDFILL	SAN JOAQUIN	SAN JOAQUIN	95236
CENTRAL VALLEY (SACRAMENTO)	L10008827999	FORWARD LANDFILL	MANTECA	SAN JOAQUIN	95336
CENTRAL VALLEY (SACRAMENTO)	L10006027844	GRAND ISLAND CLASS III LANDFILL	SACRAMENTO (COUNTY)	SACRAMENTO	95690
CENTRAL VALLEY (SACRAMENTO)	L10008701564	HARNEY LANE CLASS III LANDFILL	STOCKTON	SAN JOAQUIN	95201
CENTRAL VALLEY (SACRAMENTO)	L10007011530	HAY ROAD LANDFILL	VACAVILLE	SOLANO	95687

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CENTRAL VALLEY (SACRAMENTO)	L10007396297	KIEFER LANDFILL	SLOUGHHOUSE	SACRAMENTO	95683
CENTRAL VALLEY (SACRAMENTO)	L10004137499	L & D LANDFILL	SACRAMENTO	SACRAMENTO	95826
CENTRAL VALLEY (SACRAMENTO)	L10001621439	NORTH COUNTY LANDFILL	LODI	SAN JOAQUIN	95240
CENTRAL VALLEY (SACRAMENTO)	L10001937128	OSTROM ROAD LANDFILL	MARYSVILLE	YUBA	95692
CENTRAL VALLEY (SACRAMENTO)	L10001327064	ROCK CREEK LANDFILL	MILTON	CALAVERAS	95230
CENTRAL VALLEY (SACRAMENTO)	L10007881027	STONYFORD LANDFILL	STONYFORD	COLUSA	95979
CENTRAL VALLEY (SACRAMENTO)	L10007939295	WESTERN REGIONAL LANDFILL	LINCOLN	PLACER	95648
CENTRAL VALLEY (SACRAMENTO)	L10001819539	YOLO COUNTY CENTRAL LANDFILL	WOODLAND	YOLO	95776
LAHONTAN (VICTORVILLE)	L10005089428	ADELANTO CLASS III LANDFILL	ADELANTO	SAN BERNARDINO	92301
LAHONTAN (VICTORVILLE)	T10000007159	ANTELOPE VALLEY LANDFILL	PALMDALE	LOS ANGELES	93551
LAHONTAN (VICTORVILLE)	L10009617682	APPLE VALLEY MUNICIPAL LANDFILL	APPLE VALLEY	SAN BERNARDINO	92307
LAHONTAN (VICTORVILLE)	L10008518142	BAKER CLASS III LANDFILL	BAKER	SAN BERNARDINO	92309
LAHONTAN (VICTORVILLE)	L10001653820	BISHOP LANDFILL	BISHOP	INYO	93526
LAHONTAN (VICTORVILLE)	L10004638786	BORON LANDFILL	BORON	KERN	93516
LAHONTAN (VICTORVILLE)	L10002592521	BRIDGEPORT	BRIDGEPORT	MONO	93517
LAHONTAN (TAHOE)	L10003308528	CEDARVILLE EAST SWDS	CEDARVILLE	MODOC	96104
LAHONTAN (TAHOE)	L10004797027	CEDARVILLE WEST SWDS (OLD)	CEDARVILLE	MODOC	96104
LAHONTAN (VICTORVILLE)	L10007357170	CHALFANT LANDFILL	CHALFANT	MONO	93514

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LAHONTAN (TAHOE)	L10009864393	EAGLEVILLE SWDS	EAGLEVILLE	MODOC	96110
LAHONTAN (TAHOE)	L10001022155	EASTERN REGIONAL LANDFILL	TRUCKEE	PLACER	96161
LAHONTAN (TAHOE)	L10005084717	FORT BIDWELL SWDS	FORT BIDWELL	MODOC	96112
LAHONTAN (VICTORVILLE)	L10004311928	FURNACE CREEK CLASS III LANDFILL	DEATH VALLEY	INYO	92328
LAHONTAN (VICTORVILLE)	L10001835552	HESPERIA CLASS III LANDFILL	HESPERIA	SAN BERNARDINO	92345
LAHONTAN (VICTORVILLE)	L10002649623	INDEPENDENCE LANDFILL	INDEPENDENCE	INYO	93526
LAHONTAN (TAHOE)	L10008644871	LAKE CITY SWDS OLD	LAKE CITY	MODOC	96115
LAHONTAN (VICTORVILLE)	L10009466231	LANCASTER LANDFILL	LANCASTER	LOS ANGELES	91325
LAHONTAN (VICTORVILLE)	L10001573087	LENWOOD-HINKLEY LANDFILL	HINKLEY	SAN BERNARDINO	92347
LAHONTAN (TAHOE)	L10003238783	MADELINE SWDS	MADELINE	LASSEN	96119
LAHONTAN (VICTORVILLE)	L10001517468	MOJAVE ROSAMOND LANDFILL	MOJAVE	KERN	96150
LAHONTAN (TAHOE)	L10007593280	RAVENDALE SWDS	RAVENDALE	LASSEN	96123
LAHONTAN (VICTORVILLE)	L10005485793	RIDGECREST-INYO KERN LANDFILL	RIDGECREST	KERN	93555
LAHONTAN (VICTORVILLE)	L10004106157	TEHACHAPI LANDFILL	TEHACHAPI	KERN	93561
LAHONTAN (VICTORVILLE)	L10004389991	VICTORVILLE LANDFILL	VICTORVILLE	SAN BERNARDINO	92392
LAHONTAN (VICTORVILLE)	L10003032143	WALKER SANITARY LANDFILL	WALKER	MONO	96107
COLORADO RIVER	L10005391970	ALLIED (REPUBLIC) IMPERIAL LANDFILL	IMPERIAL	IMPERIAL	92251
COLORADO RIVER	L10007155213	BIG BEAR CLS III WMF	BIG BEAR	SAN BERNARDINO	92314
COLORADO RIVER	L10009874093	BLYTHE LANDFILL	BLYTHE	RIVERSIDE	92225

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COLORADO RIVER	L10003017008	BORREGO SPRINGS LANDFILL	BORREGO SPRINGS	SAN DIEGO	92071
COLORADO RIVER	L10006582911	BRAWLEY CLS III WMF	BRAWLEY	IMPERIAL	92227
COLORADO RIVER	L10006190805	CALEXICO LANDFILL	CALEXICO	IMPERIAL	92243
COLORADO RIVER	L10009957466	DESERT CENTER SANITARY	DESERT CENTER	RIVERSIDE	92239
COLORADO RIVER	L10009373801	EDOM HILL CLS III WMF 01-141	CATHEDRAL CITY	RIVERSIDE	92234
COLORADO RIVER	L10005968736	HOLTVILLE CLS III WMF	HOLTVILLE	IMPERIAL	92243
COLORADO RIVER	L10009821173	HOT SPA LANDFILL	NILAND	IMPERIAL	92257
COLORADO RIVER	L10007284831	IMPERIAL LANDFILL	IMPERIAL	IMPERIAL	92251
COLORADO RIVER	L10003011090	LANDERS LANDFILL	LANDERS	SAN BERNARDINO	92284
COLORADO RIVER	L10006289548	LUCERNE VALLEY CLOSED WMF	LUCERNE VALLEY	SAN BERNARDINO	92356
COLORADO RIVER	L10003086281	NEEDLES WMF 03-046	NEEDLES	SAN BERNARDINO	92363
COLORADO RIVER	L10004403391	NILAND LANDFILL	NILAND	IMPERIAL	92257
COLORADO RIVER	L10003427428	OASIS LANDFILL	OASIS	RIVERSIDE	92274
COLORADO RIVER	L10003033435	OCOTILLO CLASS III WMF	OCOTILLO	IMPERIAL	92259
COLORADO RIVER	L10006866257	PALO VERDE III WMF	PALO VERDE	IMPERIAL	92266
COLORADO RIVER	L10006414912	PICACHO SWDS	WINTERHAVEN	IMPERIAL	92283
COLORADO RIVER	L10005850536	SALTON CITY LANDFILL	SALTON CITY	IMPERIAL	92004
SAN DIEGO	L10005246107	ANZA SANITARY LANDFILL	ANZA	RIVERSIDE	92306
SAN DIEGO	L10006165556	ARIZONA ST/BALBOA PARK LANDFILL	SAN DIEGO	SAN DIEGO	92101
SAN DIEGO	L10007828563	BELL JR HIGH LANDFILL	SAN DIEGO	SAN DIEGO	92139
SAN DIEGO	L10001753716	BONSALL LANDFILL	BONSALL	SAN DIEGO	92003
SAN DIEGO	L10006943141	BRADLEY PARK LANDFILL	SAN MARCOS	SAN DIEGO	92069
SAN DIEGO	L10009131789	DUCK POND LANDFILL	NATIONAL CITY	SAN DIEGO	91950
SAN DIEGO	L10007407136	ENCINITAS II LANDFILL	ENCINITAS	SAN DIEGO	92024
SAN DIEGO	L10003156547	FORMER OMAR RENDERING LANDFILL	CHULA VISTA	SAN DIEGO	91910
SAN DIEGO	L10004423988	FORSTER CANYON LANDFILL	SAN JUAN CAPISTRANO	ORANGE	92675
SAN DIEGO	L10005408290	GILLESPIE LANDFILL	EL CAJON	SAN DIEGO	92020
SAN DIEGO	L10004532342	HILLSBOROUGH LANDFILL	SAN DIEGO	SAN DIEGO	92139
SAN DIEGO	L10004933936	JAMACHA SANITARY LANDFILL	SPRING VALLEY	SAN DIEGO	91978
SAN DIEGO	L10006664190	MAXSON STREET LANDFILL	OCEANSIDE	SAN DIEGO	92054
SAN DIEGO	L10009404819	MISSION AVE LANDFILL	OCEANSIDE	SAN DIEGO	92054
SAN DIEGO	L10005852203	MISSION BAY LANDFILL	SAN DIEGO	SAN DIEGO	92109
SAN DIEGO	L10006986192	NORTH MIRAMAR LANDFILL	SAN DIEGO	SAN DIEGO	92111

REGIONAL WATER QUALITY CONTROL BOARD	GEOTRACKER GLOBAL ID	FACILITY	CITY	COUNTY	ZIP CODE
SAN DIEGO	L10009614226	OTAY ANNEX SANITARY LANDFILL	CHULA VISTA	SAN DIEGO	91910
SAN DIEGO	L10006424767	OTAY CLASS 1 LANDFILL	CHULA VISTA	SAN DIEGO	91911
SAN DIEGO	L10003501496	PALOMAR AIRPORT LANDFILL	CARLSBAD	SAN DIEGO	92008
SAN DIEGO	L10008727762	PARADISE HILLS PARK LANDFILL	SAN DIEGO	SAN DIEGO	92139
SAN DIEGO	L10001254570	POWAY LANDFILL	POWAY	SAN DIEGO	92064
SAN DIEGO	L10003995148	PRIMA DESCHECHA CANADA	SAN JUAN CAPISTRANO	ORANGE	92675
SAN DIEGO	L10002513368	RAMONA SANITARY LANDFILL	RAMONA	SAN DIEGO	92065
SAN DIEGO	L10006325553	SAN MARCOS II SANITARY LANDFILL	SAN MARCOS	SAN DIEGO	92078
SAN DIEGO	L10001927106	SOUTH CHOLLAS LANDFILL	SAN DIEGO	SAN DIEGO	92105
SAN DIEGO	L10003830787	SOUTH MIRAMAR LANDFILL	SAN DIEGO	SAN DIEGO	92111
SAN DIEGO	L10009474974	SYCAMORE CANYON LANDFILL	SANTEE	SAN DIEGO	92145
SAN DIEGO	L10004776747	VALLEY CENTER LANDFILL	VALLEY CENTER	SAN DIEGO	92082
SAN DIEGO	L10005392761	VIEJAS SANITARY LANDFILL	ALPINE	SAN DIEGO	91901
SAN DIEGO	L10004030235	WEST MIRAMAR SANITARY LANDFILL	SAN DIEGO	SAN DIEGO	92111

ATTACHMENT 2
TECHNICAL REPORT REQUIREMENTS AND QUESTIONNAIRE
FOR
MUNICIPAL SOLID WASTE LANDFILLS

WATER CODE SECTION 13267 ORDER FOR THE DETERMINATION OF THE
PRESENCE OF PER- AND POLYFLUOROALKYL SUBSTANCES

Contents:

- A. Justification for the Need for Technical Reports*
- B. Technical Report Requirements*
- C. Landfill Operator Questionnaire*

A. JUSTIFICATION FOR THE NEED FOR TECHNICAL REPORTS

In 2017, PFAS testing was performed on leachate, gas condensate, and groundwater at four (4) active Municipal Solid Waste (MSW) landfills (i.e. Bowerman, Olinda Alpha, El Sobrante, and California Street landfills) within the Santa Ana Region. The testing conducted confirmed the presence of PFAS in all four landfills. PFAS detected at the El Sobrante Landfill exceeded the U.S. EPA Health Advisory Levels for groundwater. PFAS detected in leachate had the highest concentrations as compared to the groundwater and gas condensate. Concentrations of 18 PFAS compounds analyzed at the Bowerman, Olinda Alpha, El Sobrante, and California Street landfills are summarized in **Exhibit A**.

Based on these results, it is reasonable to conclude that PFAS may be present in most MSW landfills. Therefore, an investigation is necessary at MSW landfills statewide to determine the presence of PFAS, their respective levels in leachate and groundwater, and to evaluate the impact of current and historic discharges from these facilities on groundwater quality.

The State Water Board intends to direct other dischargers identified as potential PFAS sources in the state to perform PFAS testing. The State Water Board and the Regional Water Boards will evaluate the data collected to make informed decisions in implementing appropriate regulatory action, in anticipation of emerging regulatory standards for PFAS.

EXHIBIT A**SANTA ANA REGIONAL WATER BOARD - LANDFILL PFAS RESULTS****El Sobrante Landfill**

Constituents	Abbreviation	USEPA HAL (ng/l)	Leachate (ng/l) n=3	Condensate (ng/l) n=1	Groundwater (ng/l) n=6
Perfluorooctane sulfonic acid	PFOS	70	ND - 230	4.8	ND - 40
Perfluorooctanoic acid	PFOA	70	630 - 26,000	16	ND - 610
Perfluorobutane sulfonate	PFBS	--	230 - 5,200	ND	ND - 36
Perfluorobutanoic acid	PFBA	--	2,300-18,000	ND	ND - 180
Perfluorohexane sulfonate	PFHxS	--	66 - 770	ND	ND - 16
Perfluorohexanoic acid	PFHxA	--	3,800-51,000	9.3	ND - 340
Perfluoroheptane sulfonate	PFHpS	--	ND	ND	ND - 1.4
Perfluoroheptanoic acid	PFHpA	--	350 - 2,600	3.6	ND - 170
Perfluorononanoic acid	PFNA	--	53 - 180	3.3	ND - 42
Perfluorodecanoic acid	PFDA	--	22 - 270	7.8	ND - 12
Perfluorododecanoic acid	PFDoA	--	ND - 2.4	3.7	ND - 1.8
Perfluorotetradecanoic acid	PFTeA	--	1.0 - 5.4	3.0	1.1 - 2.0
Perfluorotridecanoic acid	PFTriDa	--	ND	1.1	ND
Perfluoroundecanoic acid	PFUnA	--	ND - 11	2.4	ND - 2.7
N-ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	--	ND - 17	ND	ND
N-methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	--	ND - 89	ND	ND - 20
6:2 Fluorotelomer sulfonate	6:2 FTS	--	51 - 320	ND	ND
8:2 Fluorotelomer sulfonate	8:2 FTS	--	ND - 29	6.1	ND

California Street Landfill

Constituents	Abbreviation	USEPA HAL (ng/l)	Leachate (ng/l) n=1	Condensate (ng/l) n=1	Groundwater (ng/l) n=3
Perfluorooctane sulfonic acid	PFOS	70	49	12	9.4 - 31
Perfluorooctanoic acid	PFOA	70	490	17	12 - 30
Perfluorobutane sulfonate	PFBS	--	ND	ND	ND
Perfluorobutanoic acid	PFBA	--	ND	ND	ND
Perfluorohexanesulfonic acid	PFHxS	--	99	ND	ND
Perfluorohexanoic acid	PFHxA	--	640	ND	17 - 30
Perfluoroheptane sulfonate	PFHpS	--	ND	ND	ND
Perfluoroheptanoic acid	PFHpA	--	520	3.3	8.1 - 10
Perfluorononanoic acid	PFNA	--	230	ND	ND - 7.4
Perfluorodecanoic acid	PFDA	--	ND	15	ND
Perfluorododecanoic acid	PFDoA	--	ND	19	ND
Perfluorotetradecanoic acid	PFTeA	--	ND	ND	ND
Perfluorotridecanoic acid	PFTriDa	--	ND	ND	ND
Perfluoroundecanoic acid	PFUnA	--	ND	ND	ND
N-ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	--	ND	ND	ND
N-methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	--	ND	ND	ND
6:2 Fluorotelomer sulfonate	6:2 FTS	--	100	ND	ND
8:2 Fluorotelomer sulfonate	8:2 FTS	--	ND	110	ND

EXHIBIT A - CONTINUED**SANTA ANA REGIONAL WATER BOARD - LANDFILL PFAS RESULTS****Bowerman Landfill**

Constituents	Abbreviation	USEPA HAL (ng/l)	Leachate (ng/l) n=1	Condensate (ng/l) n=1	Groundwater (ng/l) n=3
Perfluorooctane sulfonic acid	PFOS	70	50	160	1.0 - 50 ¹
Perfluorooctanoic acid	PFOA	70	1,000	1,200	1.0 - 50 ¹
Perfluorobutane sulfonate	PFBS	--	110	1,300	ND - 17
Perfluorobutanoic acid	PFBA	--	4,900	3,100	ND
Perfluorohexanesulfonic acid	PFHxS	--	500	370	ND
Perfluorohexanoic acid	PFHxA	--	1,600	660	ND
Perfluoroheptane sulfonate	PFHpS	--	ND	ND	ND
Perfluoroheptanoic acid	PFHpA	--	530	410	ND
Perfluorononanoic acid	PFNA	--	ND	63	ND
Perfluorodecanoic acid	PFDA	--	60	170	ND
Perfluorododecanoic acid	PFDoA	--	ND	ND	ND
Perfluorotetradecanoic acid	PFTeA	--	ND	ND	ND
Perfluorotridecanoic acid	PFTriDa	--	ND	ND	ND
Perfluoroundecanoic acid	PFUnA	--	ND	ND	ND
N-ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	--	ND	440	ND
N-methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	--	ND	730	ND
6:2 Fluorotelomer sulfonate	6:2 FTS	--	190	200	ND
8:2 Fluorotelomer sulfonate	8:2 FTS	--	ND	56	ND

Olinda Alpha Landfill

Constituents	Abbreviation	USEPA HAL (ng/l)	Leachate (ng/l) n=1	Condensate (ng/l) n=1	Groundwater (ng/l) n=3
Perfluorooctane sulfonic acid	PFOS	70	50	160	1.0 - 50 ¹
Perfluorooctanoic acid	PFOA	70	360	1,200	1.0 - 50 ¹
Perfluorobutane sulfonate	PFBS	--	ND	5,200	ND
Perfluorobutanoic acid	PFBA	--	1,100	ND	ND
Perfluorohexanesulfonic acid	PFHxS	--	ND	390	ND
Perfluorohexanoic acid	PFHxA	--	1,300	660	ND
Perfluoroheptane sulfonate	PFHpS	--	ND	ND	ND
Perfluoroheptanoic acid	PFHpA	--	67	460	ND
Perfluorononanoic acid	PFNA	--	ND	94	ND
Perfluorodecanoic acid	PFDA	--	ND	200	ND
Perfluorododecanoic acid	PFDoA	--	ND	95	ND
Perfluorotetradecanoic acid	PFTeA	--	ND	ND	ND
Perfluorotridecanoic acid	PFTriDa	--	ND	ND	ND
Perfluoroundecanoic acid	PFUnA	--	ND	ND	ND
N-ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	--	ND	190	ND
N-methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	--	ND	210	ND
6:2 Fluorotelomer sulfonate	6:2 FTS	--	ND	290	ND
8:2 Fluorotelomer sulfonate	8:2 FTS	--	ND	ND	ND

¹ PFOA and PFOS combined

B. TECHNICAL REPORT REQUIREMENTS

Work Plan

You are required to submit a work plan for a one-time leachate and groundwater assessment of PFAS impacts at your facility to the Regional Water Board specified in the Order cover letter **no later than 60 days following the date of this Order**. This attachment provides specific requirements to include in the technical report.

At a minimum, provide the following in your work plan:

1. A map identifying the monitoring locations for collection of groundwater samples and leachate samples for analysis of the PFAS compounds specified in Table 1. It is not necessary to sample all locations, but selected locations must appropriately represent all conditions at your facility and must include groundwater and leachate.
2. A Sampling and Analysis Plan that includes quality assurance and quality control procedures necessary to ensure valid and representative data is obtained and reported. Specify the appropriate sampling procedures, including sampling equipment, sampling containers, the quality of water used for blank preparation and equipment decontamination, sample holding times, and quantities for sampling PFAS compounds. To minimize cross-contamination, all sampling materials, equipment, blanks, containers, and equipment decontamination reagents must be PFAS-free, to the maximum extent practicable. Additional guidance for preventing sample contamination can be found at: https://www.waterboards.ca.gov/water_issues/programs/pfas/
3. Reporting limits for PFAS.
4. If the sampling locations are known to have or suspected to be constructed with materials containing PFAS compounds, include descriptions of the materials.
5. Signature, stamp, and contact information for the California-licensed Professional Geologist or Professional Engineer acting in responsible charge for the content of the Work Plan.

Final Report

A final sampling and analysis report, including at least the following information, must be submitted **no later than 90 days** following the State or Regional Water Board acceptance of the Work Plan. However, if your facility currently operates under an existing Waste Discharger Requirements Order with a Monitoring and Report Program, sampling may be conducted concurrently with the next scheduled monitoring and sampling event.

- a) A description of the sampling activities;
- b) A summary table of analytical results;
- c) A copy of the Chain of Custody;
- d) A copy of the field sampling log;
- e) A copy of the site map showing the sampling locations; and
- f) A copy of laboratory analytical results of the monitored media.

Questionnaire

If you 1) have not accepted, stored, discharged, or used materials that may contain PFAS at your facility, or 2) if you have already conducted sampling for these constituents in compliance with the minimum work plan requirements listed below, please complete the questionnaire with relevant information supporting your response and return to the Regional Water Board specified in the Order cover letter **no later than 30 days following the date of this Order.**

Report Submittal

Reports must be submitted in a searchable electronic format, with transmittal letter, text, tables, figures, laboratory analytical data, and appendices in Portable Document Format (PDF) format (one PDF for the entire report) as well as in electronic data deliverable (EDD) format. The Questionnaire, Work Plan, Final Report, and Analytical Reports and EDD must be uploaded into GeoTracker via the Electronic Submittal of Information (ESI) Portal, as stipulated by California State law. GeoTracker ESI guidance, general information and Help Desk assistance can be on the ESI homepage at:

https://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/

The analytical laboratory must be accredited by the California Environmental Laboratory Accreditation Program (ELAP) to perform the analytical method for PFAS compliant with Department of Defense (DoD) Table B-15 of Quality Systems Manual (QSM), dated 2017, version 5.1 or later. The laboratory must have the capacity to quantify the target PFAS analytes listed in Table 1, and must be capable of achieving the quality control/quality assurance requirements specified in Table B-15 of the DoD QSM, version 5.1 or later. DoD's QSM version 5.1 can be found at:

<https://www.denix.osd.mil/edqw/documents/documents/qsm-version-5-1-final/> as well as on the State Water Board's PFAS informational website:

https://www.waterboards.ca.gov/water_issues/programs/pfas/. A list of laboratories that are accredited by ELAP can be found on the State Water Board ELAP webpage:

https://www.waterboards.ca.gov/drinking_water/certlic/labs/. For the general parameters listed in Table 2, the method of analysis shall be appropriate for the expected concentrations.

TABLE 1. PFAS Analytes Subject to Analysis

Chemical Name	Abbreviation	Chemical Abstracts Service (CAS) No.
2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid	HFPO-DA	13252-13-6*
10:2 Fluorotelomer sulfonic acid	10:2 FTS	120226-60-0*
2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic Acid	HFPA-DA	13252-13-6 *
Perfluorooctadecanoic acid	PFOcDA	16517-11-6*
N-Ethyl perfluorooctane sulfonamidoethanol	EtFOSE	1691-99-2*
Perfluorooctane sulfonic acid	PFOS	1763-23-1
Perfluoroundecanoic acid	PFUnDA	2058-94-8
N-Methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	2355-31-9
N-Methyl perfluorooctane sulfonamidoethanol	MeFOSE	24448-09-7*
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluoropentane sulfonic acid	PFPeS	2706-91-4
6:2 Fluorotelomer sulfonic acid	6:2 FTS	27619-97-2
N-Ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	2991-50-6
Perfluorohexanoic acid	PFHxA	307-24-4
1.0Perfluorododecanoic acid	PFDoDA	307-55-1
N-Methyl perfluorooctane sulfonamide	MeFOSA	31506-32-8*
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluorodecane sulfonic acid	PFDS	335-77-3
4,4,5,5,6,6,6-Heptafluorohexanoic Acid	3:3 FTCA	356-02-5*
Perfluorohexane sulfonic acid	PFHxS	355-46-4
Perfluorobutanoic acid	PFBA	375-22-4
Perfluorobutane sulfonic acid	PFBS	375-73-5
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluoroheptane sulfonic acid	PFHpS	375-92-8
Perfluorononanoic acid	PFNA	375-95-1
Perfluorotetradecanoic acid	PFTeDA	376-06-7
2H,2H,3H,3H-Perfluorodecanoic acid	7:3 FTCA	812-70-4*
8:2 Fluorotelomer sulfonic acid	8:2 FTS	39108-34-4
N-Ethyl perfluorooctane sulfonamide	EtFOSA	4151-50-2*
Perfluorononane sulfonic acid	PFNS	474511-07-4*
Perfluorohexadecanoic acid	PFHxDA	67905-19-5*
Perfluorotridecanoic acid	PFTTrDA	72629-94-8
Perfluorooctanesulfonamide	FOSA	754-91-6
4:2 Fluorotelomer sulfonic acid	4:2 FTS	757124-72-4
Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid)	9Cl-PF3ONS	756426-58-1*
2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoroethanesulfonic acid	11Cl-PF3OUdS	763051-92-9*
2H,2H,3H,3H-Perfluorooctanoic Acid (CAS 914637-49-3)	5:3 FTCA	914637-49-3*
4,8-Dioxa-3H-perfluorononanoic acid	Adona	919005-14-4*

Note: Only the 23 analytes without the asterisk (*) are required to be analyzed as part of this Order. The analytes with the asterisk (*) are included in some but not all lists provided by accredited laboratories and are encouraged to be analyzed as part of this effort.

C. LANDFILL OPERATOR QUESTIONNAIRE

Operator/Principal Name			
Name of Facility			
Address of Landfill			
City		County	Zip
Phone number		Email Address	
PER- AND POLY-FLUOROALKYL SUBSTANCES (PFAS) - CONSTITUENT SCREENING			
1. Do you possess any data or information produced by your facility concerning the presence of PFAS in soil, soil-gas, storm water, leachate, and/or groundwater?		YES	NO
<i>If yes, please describe by attachment and include method of analysis, a summary table of analytical results, as well as the laboratory analytical report.</i>			
2. Has any waste generator supplied data or information that you possess concerning the presence of PFAS in off-site generated waste at your facility?		YES	NO
<i>If yes, please describe by attachment.</i>			
3. Do you possess any data or information that was produced by your facility concerning the presence of PFAS in off-site generated waste at your facility?		YES	NO
<i>If yes, please describe by attachment.</i>			
CERTIFICATION			
<p>This form is only required to be completed if your facility did not accept, discharge, spill, release in any way, or dispose PFAS materials or you have already conducted sampling for PFAS materials. This form and supporting documentation must be uploaded to GeoTracker by the date specified in the Order.</p> <p>I, _____, certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, and the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant civil penalties for submitting false information.</p> <p>Signature: Title: Date:</p>			

State Water Resources Control Board

ATTACHMENT 3

Fact Sheet – Requirements for Submitting Technical Reports Under Section 13267 of the Water Code

What does it mean when the Regional Water Board or the State Water Board (jointly referred to as the Water Boards) require a technical report?

Section 13267¹ of the Water Code provides that "...the regional board may require that any person who has discharged, discharges, or who is suspected of having discharged or discharging, or who proposes to discharge waste...that could affect the quality of waters...shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires." Additionally, the state water board may carry out the authority granted to a regional board pursuant to Section 13267 if, after consulting with the regional board, the state board determines that it will not duplicate the efforts of the regional board.

This requirement for a technical report seems to mean that I am guilty of something, or at least responsible for cleaning something up. What if that is not so?

The requirement for a technical report is a tool the Water Boards use to investigate water quality issues or problems. The information provided can be used by the Regional Water Board to clarify whether a given party has responsibility.

Are there limits to what the Water Boards can ask for?

Yes. The information required must relate to an actual or suspected or proposed discharge of waste (including discharges of waste where the initial discharge occurred many years ago), and the burden of compliance must bear a reasonable relationship to the need for the report and the benefits obtained. The Water Boards are required to explain the reasons for its request.

What if I can provide the information, but not by the date specified?

A time extension may be given for good cause. Your request should be promptly submitted in writing, giving reasons.

Are there penalties if I don't comply?

Depending on the situation, the Water Boards can impose a fine of up to \$5,000 per day, and a court can impose fines of up to \$25,000 per day as well as criminal penalties. A person who submits false information or fails to comply with a requirement to submit a technical report may be found guilty of a misdemeanor. For some reports, submission of false information may be a felony.

Do I have to use a consultant or attorney to comply?

There is no legal requirement for this, but as a practical matter, in most cases the specialized nature of the information required makes use of a consultant and/or attorney advisable.

If I have more questions, whom do I ask?

Requirements for technical reports include the name, telephone number, and email address of the Regional Water Board staff contact.

¹ All code sections referenced herein can be found by going to www.leginfo.ca.gov.

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: WPWMA BOARD OF DIRECTORS DATE: OCTOBER 10, 2019
FROM: KEN GREHM / ERIC ODDO 
SUBJECT: **MRF AND WRSL OPERATING AGREEMENTS: TWO YEAR TERM EXTENSIONS**

RECOMMENDED ACTION:

Authorize the Chair to sign the attached letters exercising the WPWMA's option to extend the term of both the Materials Recovery Facility (MRF) and Western Regional Sanitary Landfill (WRSL) Operating Agreements for an additional two years each.

BACKGROUND:

A provision in both the MRF Operating Agreement between the WPWMA and Nortech Waste, LLC (Nortech) and the WRSL Operating Agreement between the WPWMA and Nortech Landfill, Inc. (NLI) affords the WPWMA the sole discretion to extend the terms of these agreements for a period of up to two (2) additional years. To do so, the WPWMA must provide written notice to Nortech and NLI of its decision to exercise these options no later than March 1, 2020.

At the September 17, 2019 meeting, your Board authorized staff to enter into a Non-Disclosure Agreement to develop deal points related to facility modifications and an extension of the MRF and WRSL Operating Agreements. These negotiations are expected to take several months with staff returning to make a recommendation to your Board in early 2020 to either: 1) conduct formal negotiations for an extension of the MRF and WRSL Operating Agreements, or 2) initiate a competitive procurement process for future MRF and WRSL operating services.

Given this prior direction by your Board and the anticipated timeline to conduct the necessary negotiations, staff believes it is appropriate to exercise the WPWMA's option to extend the terms of both current Operating Agreements.

ENVIRONMENTAL CLEARANCE:

The recommended action is not considered a "project" under the California Environmental Quality Act.

FISCAL IMPACT:

There is no direct cost impact to the WPWMA associated with the recommended action.

ATTACHMENT: TERM EXTENSION LETTERS



October 10, 2019

Ms. Stephanie Trehitt
Nortech Waste, LLC.
3033 Fiddymment Road
Roseville, CA 95747

**RE: EXTENSION OF THE TERM OF AGREEMENT FOR OPERATION OF THE
MATERIALS RECOVERY FACILITY**

Dear Ms. Trehitt:

In accordance with Section 2.03 of the Second Restated and Amended Agreement between the Western Placer Waste Management Authority (WPWMA) and Nortech Waste, LLC for the operation of the Materials Recovery Facility (Agreement), this letter serves as notice of the WPWMA's decision to extend the Term of the Agreement to June 30, 2022.

If you have any questions or concerns regarding this letter, please do not hesitate to contact Kevin Bell at (530) 886-4915 or Eric Oddo at (916) 543-3984.

Sincerely,

John Allard
Chair



WESTERN PLACER
WASTE MANAGEMENT AUTHORITY

JOHN ALLARD, ROSEVILLE, CHAIR
BONNIE GORE, PLACER COUNTY
BILL HALLDIN, ROCKLIN
DAN KARLESKINT, LINCOLN
ROBERT WEYGANDT, PLACER COUNTY
KEN GREHM, EXECUTIVE DIRECTOR

October 10, 2019

Ms. Stephanie Trehitt
Nortech Landfill, Inc.
3033 Fiddymment Road
Roseville, CA 95747

**RE: EXTENSION OF THE TERM OF AGREEMENT FOR OPERATION OF THE
WESTERN REGIONAL SANITARY LANDFILL**

Dear Ms. Trehitt:

In accordance with Section 4.3 of the Restated and Amended Agreement between the Western Placer Waste Management Authority (WPWMA) and Nortech Landfill, Inc. for the operation of the Western Regional Sanitary Landfill (Agreement), this letter serves as notice of the WPWMA's decision to extend the Term of the Agreement to June 30, 2022.

If you have any questions or concerns regarding this letter, please do not hesitate to contact Kevin Bell at (530) 886-4915 or Eric Oddo at (916) 543-3984.

Sincerely,

John Allard
Chair

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**

DATE: **OCTOBER 10, 2019**

FROM: **KEN GREHM / ERIC ODDO** 

SUBJECT: **FISCAL YEAR 2019/20 FINAL BUDGETS**

RECOMMENDED ACTION:

Approve the Fiscal Year 2019/20 Final Budgets for the Operating Fund, the Closure Fund and the Self-Insurance Fund as presented in Exhibits A and B.

BACKGROUND:

The WPWMA operates within three budgets:

1. The **Closure/Postclosure Fund**, whose purpose is to ensure adequate funding for corrective action, final closure and post-closure monitoring and maintenance of the landfill;
2. The **Self Insurance Fund**, which was established to cover expenses from claims, lawsuits and damage assessments against the WPWMA;
3. The **Operating Fund**, which covers all other expenses of the WPWMA, including our operating agreements with Nortech Waste, LLC and Nortech Landfill, Inc.

On May 16, 2019, your Board approved the WPWMA's Fiscal Year 2019/20 Preliminary Budgets and directed staff to return with the Final Budgets at a later date. The Final Budgets are presented in Exhibits A and B and reflect the transition to a new accounting system implemented by Placer County at the end of FY 2018/19.

The Final Budgets were developed based on the Financial Forecast (Exhibit C) and the following parameters:

1. Tipping Fee Structure – No change in the tipping fee structure for FY 2019/20.
2. Tonnage – 471,922 total tons accepted, composed of mixed solid waste, sludge, green waste, commercial food waste, construction and demolition debris, wood waste and inerts.

Staff estimates that with the continuing improvement in the economy, the WPWMA will realize modest growth in the quantity of materials received at the facility. After taking into account tonnages associated with one-time projects, staff estimates the WPWMA will realize an overall increase in waste tonnages of 0.38% compared to the quantities received in FY 2018/19.

3. Construction Projects – \$3,339,804 budgeted as shown at the bottom of the second page of Exhibit A. This amount includes funding for:
 - a. Construction of the side slope liner system between Modules 5 and 13;
 - b. Repair of the administrative offices;
 - c. Repair or replacement of the leachate risers in Modules 2 and 10;
 - d. Upgrade of the existing leachate force main and installation of electrical infrastructure around the perimeter of the landfill;

- e. Landfill gas collection system expansion; and
 - f. Expansion and upgrade of the WPWMA’s closed circuit television security camera system.
4. Significant Changes between the Preliminary and Final Budgets – The following highlights significant changes between the Preliminary and proposed Final Budgets.
- a. Compensation to Nortech of approximately \$1.14 million for vehicle upgrades consistent with the Sixth Amendment to the MRF Operating Agreement approved by your Board at the July 11, 2019 meeting;
 - b. Payment of approximately \$540,000 to Placer County for additional sewer connection fees at the WRSL;
 - c. Deferment to FY 2020/21 of a construction project related to expansion of the groundwater monitoring network; and
 - d. A reduction in the recommended cancellation of reserves from \$1,983,114 to \$379,959.
5. Reserve Accounts – Cancellation of operating reserves totaling \$379,959.

To provide the level of funding necessary to construct the improvements noted above, staff is recommending your Board cancel \$379,959 in reserves from the Operating Fund.

Total fund balances and reserves at the end of the current and upcoming fiscal years are projected as follows:

	FY 2018/19	FY 2019/20
Operating Fund Budget	\$23,246,483	\$22,896,286
Closure/Postclosure Fund Budget	\$13,425,358	\$14,202,925
Self-Insurance Fund Budget	\$7,162,887	\$7,207,510
Total Reserves	\$43,834,728	\$44,306,721

ENVIRONMENTAL CLEARANCE:

Approval of the Final Budgets does not constitute a "Project" under the California Environmental Quality Act, per CEQA Guidelines Section 15378(b)(5), because your Board does not fully commit to any individual project when approving the budgets. Appropriate environmental review will be conducted prior to your Board’s approval of individual projects.

FISCAL IMPACT:

The Final Budgets include sufficient funding to generate retained earnings for future use. The construction projects planned for FY 2019/20 require the cancellation of reserves in the Operating Fund. While this decreases the funds available to your Board in the near term, the long-term financial forecast includes sufficient reserve account balances to fund future projects and insure the WPWMA’s continued economic well-being.

ATTACHMENTS: EXHIBIT A – OPERATING FUND FINAL BUDGET
 EXHIBIT B – CLOSURE FUND AND SELF-INSURANCE FUND FINAL BUDGETS
 EXHIBIT C – FINANCIAL FORECAST

EXHIBIT A

OPERATIONS FUND

	2018/19 Final Budget	2018/19 Actual	2019/20 Final Budget	Notes
<u>SOURCES OF FUNDS</u>				
Retained Earnings	5,336,880	5,336,880	4,636,828	
42010: Investment Income	166,954	485,304	200,082	
42030: Rents and Concessions	95,734	94,357	98,543	
44270: State Aid - Other Programs	70,000	77,124	0	
46190: Road and Street Services	28,366	283,031	29,081	
46250: Solid Waste Disposal	26,883,514	27,237,464	27,506,189	
46365: Sales of Electricity	147,071	129,988	202,223	
46380: Interest Income - Loan Repayments	68,402	68,711	21,968	
48030: Miscellaneous	7,500	43,410	7,500	
Reserve Cancellations				
Fixed Asset Acquisition	0	0	0	
Road Improvement	0	364,229	0	
HHW Closure	0	0	0	
Imprest Cash	0	0	0	
Contingencies	0	0	379,959	
TOTAL SOURCES OF FUNDS	32,804,421	34,120,498	33,082,374	
<u>USES OF FUNDS</u>				
Ongoing Operations	26,351,055	24,708,041	29,712,808	
Major Construction Projects	1,951,387	273,650	3,339,804	
Land Acquisition	0	0	0	
Contribution to Reserves				
Fixed Asset Acquisition	2,187,711	2,187,711	0	
Road Improvement	28,280	28,280	29,081	
HHW Closure	798	798	681	
Imprest Cash	0	0	0	
Contingencies	2,285,190	2,285,190	0	
Auditor's Year End Adjustment	0	0	0	
Retained Earnings	0	4,636,828	0	
TOTAL USES OF FUNDS	32,804,421	34,120,498	33,082,374	
 OPERATING FUND RESERVE BALANCES				
Fixed Asset Acquisition	10,925,945	10,925,945	10,925,945	
Road Improvement	364,230	28,281	57,362	
HHW Closure	34,229	34,229	34,910	
Imprest Cash	8,600	8,600	8,600	
Contingencies	12,249,428	12,249,428	11,869,469	
TOTAL OPERATING FUND RESERVE BALANCES	23,582,432	23,246,483	22,896,286	

APPROPRIATIONS BY ACCOUNT	2018/19	2018/19	2019/20	Notes
	Final Budget	Actual	Final Budget	
52030: Clothing and Personal	2,000	1,682	2,000	
52040: Communication Services Expense	28,150	30,492	31,101	
52050: Food	0	676	750	
52060: Household Expense	250	13	1,000	
52080: Insurance	118,420	115,493	136,539	
52140: Parts	1,000	2,516	500	
52160: Maintenance	2,500	4,139	78,106	
52180: Materials - Buildings & Improvements	2,500	1,313	250	
52240: Professional / Membership Dues	1,000	4,045	837	
52250: Services and Supplies	0	2,378	200	
52260: Misc Expense	0	195,171	6,000	
52270: Department Cash Shortage	300	1,175	300	
52320: Printing	25,000	16,517	17,000	
52330: Other Supplies	9,848	45,102	5,000	
52340: Postage	2,000	2,073	2,000	
52360: Prof. & Special Svcs - General	4,137,889	2,161,585	3,910,439	
52370: Prof. & Special Svcs - Legal	0	59,509	75,000	
52380: Prof. & Special Svcs - Tech., Eng. & Env.	22,999,866	20,751,460	24,136,147	
52390: Prof. & Special Svcs - County	92,500	12,406	25,000	
52400: Prof. & Special Svcs - IT	0	4,320	1,500	
52440: Rents and Leases - Equipment	6,800	5,168	3,465	
52450: Rents and Leases - Buildings & Improvements	0	1,396	1,474	
52460: Small Tools & Instruments	0	326	500	
52480: PC Acquisition	5,000	0	27,000	
52510: Director's Fees	6,000	1,800	6,000	
52570: Advertising	15,000	8,924	54,660	
52580: Special Department Expense	281,420	13,077	10,000	
52790: Transportation and Travel	30,000	22,640	35,000	
52800: Utilities	120,000	120,994	709,942	
53190: Taxes and Assessments	355,000	355,155	500,097	
53390: Transfer Out A-87 Costs	50,000	0	0	
54410: Land	0	0	0	
54430: Buildings and Improvements	0	0	442,000	
54450: Equipment	100,000	75,747	0	
54470: Infrastructure	1,400,911	0	1,048,386	
54480: Land Improvements	250,000	197,903	1,774,418	
55510: Operating Transfer Out	0	402,266	0	
55550: Transfer to County for Road Improvements	0	364,229	0	
59000: Appropriation for Contingencies	10,000	0	10,000	
TOTAL APPROPRIATIONS	28,302,443	24,981,691	33,052,612	
SUMMARY OF APPROPRIATIONS				
Related to Ongoing Operations	26,551,532	24,708,041	29,712,808	
Related to Construction Projects	1,750,911	273,650	3,339,804	
Related to Land Acquisition	0	0	0	

SUB-ACCOUNT DETAIL	2018/19 Final Budget	2018/19 Actual	2019/20 Final Budget	Notes
52360: Prof. & Special Svcs - General				
2810: Financial Services	64,456	0	54,615	
2880: Administration	491,595	0	165,000	
2900: Audit Costs	20,400	0	20,000	
2920: Aerial Surveys and Mapping Services	15,000	10,500	10,500	
2930: Architectural Services, Professional	135,610	20,463	10,000	
2940: Consulting Services	246,000	1,962,860	422,624	
2950: Professional Engineering Services	688,190	75,657	3,116,108	
3020: Armored Car Services	20,184	14,861	21,593	
3045: Temporary Worker Services	66,300	77,244	90,000	
52380: Prof. & Special Svcs - Tech., Eng. & Env.				
3140: Building Maintenance, Installation & Repairs	0	26,782	26,757	
3180: MRF Operations	16,887,719	15,474,802	18,053,640	
3190: Landfill Operations	2,536,121	2,245,619	2,635,378	
3280: Security, Fire, Safety and Emergency Services	244,101	0	252,708	
3320: Environmental and Ecological Services				
WPWMA staff	3,167,664	2,728,362	3,167,664	
Environmental Consultants		275,895	0	
53190: Taxes and Assessments				
4870: Taxes and Assessments - Disposal Taxes	405,062	301,566	414,491	
4870: Taxes and Assessments - Property Taxes	588	588	606	
4870: Taxes and Assessments - Permit Fees	63,750	53,001	85,000	
MAJOR CONSTRUCTION PROJECTS				
54430: Buildings and Improvements				
Building Expansions, Retrofits and Modifications			442,000	Admin building repairs
54450: Equipment				
MRF Equipment				
LFG Equipment	100,000	75,747		
Security Systems			75,000	CCTV Upgrades and Expansion
54470: Infrastructure				
Power			400,000	Extend power to southern LF modules
Water				
Leachate/Sewage	250,000		298,386	Leachate force main/Mod 2 and 10 riser
LFG Wells and Piping	1,150,911		350,000	LFG system expansion
LFG Monitoring Systems				
Water Monitoring Systems				
54480: Land Improvements				
Liner Systems			1,774,418	Module 5/13 separation liner
Cover Systems	20,000			
Compost Pads and Ponds	200,000	197,903		
Other	30,000			
MAJOR CONSTRUCTION PROJECTS TOTAL	1,750,911	273,650	3,339,804	

	2018/19 Final Budget	2018/19 Actual	2019/20 Final Budget	Notes
TIPPING FEE STRUCTURE				
Tipping Fee (\$ per ton)				
MSW	70.00	70.00	70.00	
C&D	48.00	48.00	48.00	
Sludge and Mixed Inerts	35.00	35.00	35.00	
Green Waste	38.00	38.00	38.00	
Wood Waste	27.00	27.00	27.00	
Food Waste	42.00	42.00	42.00	
Inerts	18.00	18.00	18.00	
H2O Sludge	8.00	8.00	8.00	
Roseville Recyclables	30.00	30.00	30.00	
Bulk Tires	175.00	175.00	200.00	
Tipping Fee (\$ per cubic yard)				
MSW	15.00	15.00	15.00	
C&D	15.00	15.00	15.00	
Green Waste	8.00	8.00	8.00	
Wood Waste	8.00	8.00	8.00	
Inerts	15.00	15.00	15.00	
Tipping Fee (\$ per unit)				
Appliances	6.00	6.00	6.00	
CFC Devices	32.00	32.00	32.00	
Car Tires	3.25	3.25	3.50	
Truck Tires	19.00	19.00	20.00	
Tractor Tires	76.00	76.00	80.00	
MATERIAL QUANTITIES				
MSW				
Tonnage	240,675	242,371	248,430	
Yardage	101,905	100,422	102,933	
C&D				
Tonnage	81,085	84,590	85,332	
Yardage	40,037	36,984	35,393	
Sludge and Mixed Inerts	26,271	24,151	22,351	
Green Waste				
Tonnage	47,362	48,933	49,214	
Yardage	36,123	38,194	38,343	
Wood Waste				
Tonnage	1,927	2,193	1,962	
Yardage	5,674	6,408	6,213	
Food Waste	9,275	8,906	7,181	
Inerts				
Tonnage	22,156	25,333	23,320	
Yardage	14,291	17,099	17,254	
Appliances	9,988	9,125	9,216	
CFC Devices	3,871	3,850	3,889	
Tires				
Car	6,469	6,764	6,832	
Truck	148	105	106	
Tractor	46	43	43	
Bulk Tonnage	20	34	34	
H2O Sludge	1,618	1,155	1,166	

CLOSURE / POSTCLOSURE FUND	2018/19 Final Budget	2018/19 Actual	2019/20 Final Budget	Notes
<u>SOURCES OF FUNDS</u>				
Retained Earnings	347,768	347,768	374,020	
42010: Investment Income	96,116	254,818	102,704	
46250: Solid Waste Disposal	300,232	36,593	300,843	
General Reserve Cancellations	0	0	0	
<u>TOTAL SOURCES OF FUNDS</u>	744,116	639,179	777,567	
<u>USES OF FUNDS</u>				
Closure/Postclosure Liability Adjustment	627,612	148,655	343,546	
Contribution to General Reserves	116,504	116,504	434,021	
Contribution to Operating Fund	0	0	0	
Retained Earnings	0	374,020	0	
<u>TOTAL USES OF FUNDS</u>	744,116	265,159	777,567	
CLOSURE/POSTCLOSURE FUND BALANCE				
Closure/Postclosure Liability	12,412,407	12,412,407	12,755,953	
General Reserves	1,012,951	1,012,951	1,446,972	
<u>TOTAL CLOSURE/POSTCLOSURE FUND BALANCE</u>	13,425,358	13,425,358	14,202,925	
SELF INSURANCE FUND				
<u>SOURCES OF FUNDS</u>				
Retained Earnings	(30,719)	(30,719)	89,827	
42010: Investment Income	55,372	142,080	54,796	
46250: Solid Waste Disposal	0	0	0	
Future Occurances Reserve Cancellations	75,347	75,347	0	
<u>TOTAL SOURCES OF FUNDS</u>	100,000	186,708	144,623	
<u>USES OF FUNDS</u>				
52360: Prof. & Special Svcs - General	0	0	0	
52370: Prof. & Special Svcs - Legal	100,000	96,881	100,000	
52380: Prof. & Special Svcs - Tech., Eng. & Env.	0	0	0	
52390: Prof. & Special Svcs - County	0	0	0	
53140: Judgements and Damages	0	0	0	
Contribution to Reserve for Future Occurances	0	0	44,623	
Retained Earnings	0	89,827	0	
<u>TOTAL USES OF FUNDS</u>	100,000	186,708	144,623	
SELF INSURANCE RESERVE BALANCE				
Reserve for Future Occurances	7,162,887	7,162,887	7,207,510	

EXHIBIT C**OPERATIONS FUND**SOURCES OF FUNDS

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Retained Earnings	5,336,880	4,636,828	0	0	0	0
42010: Investment Income	485,304	200,082	200,343	215,219	225,722	225,985
42030: Rents and Concessions	94,357	98,543	93,200	94,773	81,840	83,477
44270: State Aid - Other Programs	77,124	0	0	0	0	0
46190: Road and Street Services	283,031	29,081	29,330	29,275	29,254	29,308
46250: Solid Waste Disposal	27,237,464	27,506,189	29,335,941	29,367,824	31,010,661	31,110,533
46365: Sales of Electricity	129,988	202,223	202,223	224,692	0	0
46380: Interest Income - Loan Repayments	68,711	21,968	0	0	0	0
48030: Miscellaneous	43,410	7,500	7,500	7,500	7,500	7,500
Reserve Cancellations						
Fixed Asset Acquisition	0	0	0	0	0	0
Road Improvement	364,229	0	0	0	0	0
HHW Closure	0	0	0	0	0	0
Imprest Cash	0	0	0	0	0	0
Contingencies	0	379,959	0	0	488,079	0
TOTAL SOURCES OF FUNDS	34,120,498	33,082,374	29,868,537	29,939,283	31,843,056	31,456,802

USES OF FUNDS

Ongoing Operations	24,708,041	29,712,808	28,068,409	28,250,793	23,818,572	24,463,085
Major Construction Projects	273,650	3,339,804	100,000	0	7,994,508	1,475,800
Land Acquisition	0	0	0	0	0	0
Contribution to Reserves						
Fixed Asset Acquisition	2,187,711	0	1,670,103	1,658,506	0	5,487,873
Road Improvement	28,280	29,081	29,330	29,275	29,254	29,308
HHW Closure	798	681	695	709	723	737
Imprest Cash	0	0	0	0	0	0
Contingencies	2,285,190	0	0	0	0	0
Auditor's Year End Adjustment	0	0	0	0	0	0
Retained Earnings	4,636,828	0	0	0	0	0
TOTAL USES OF FUNDS	34,120,498	33,082,374	29,868,537	29,939,283	31,843,056	31,456,802

OPERATING FUND RESERVE BALANCES

Fixed Asset Acquisition	10,925,945	10,925,945	12,596,048	14,254,554	14,254,554	19,742,427
Road Improvement	28,281	57,362	86,693	115,967	145,221	174,529
HHW Closure	34,229	34,910	35,605	36,314	37,037	37,774
Imprest Cash	8,600	8,600	8,600	8,600	8,600	8,600
Contingencies	12,249,428	11,869,469	11,869,469	11,869,469	11,381,390	11,381,390
TOTAL OPERATING FUND RESERVE BALANCES	23,246,483	22,896,286	24,596,415	26,284,904	25,826,802	31,344,720

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
APPROPRIATIONS BY ACCOUNT						
52030: Clothing and Personal	1,682	2,000	2,040	2,081	2,122	2,165
52040: Communication Services Expense	30,492	31,101	31,723	32,358	33,005	33,665
52050: Food	676	750	765	780	796	812
52060: Household Expense	13	1,000	1,020	1,040	1,061	1,082
52080: Insurance	115,493	136,539	141,317	146,263	151,383	156,681
52140: Parts	2,516	500	510	263	263	263
52160: Maintenance	4,139	78,106	79,668	81,261	82,887	84,544
52180: Materials - Buildings & Improvements	1,313	250	255	260	265	271
52240: Professional / Membership Dues	4,045	837	854	871	888	906
52250: Services and Supplies	2,378	200	204	208	212	216
52260: Misc Expense	195,171	6,000	6,120	6,242	6,367	6,495
52270: Department Cash Shortage	1,175	300	300	300	300	300
52320: Printing	16,517	17,000	17,340	17,687	18,041	18,401
52330: Other Supplies	45,102	5,000	5,100	5,202	5,306	5,412
52340: Postage	2,073	2,000	2,040	2,081	2,122	2,165
52360: Prof. & Special Svcs - General	2,161,585	3,910,439	2,205,978	1,631,152	1,589,330	1,620,083
52370: Prof. & Special Svcs - Legal	59,509	75,000	76,500	78,030	79,591	81,182
52380: Prof. & Special Svcs - Tech., Eng. & Env.	20,751,460	24,136,147	24,679,874	25,425,036	21,021,095	21,626,560
52390: Prof. & Special Svcs - County	12,406	25,000	25,500	26,010	26,530	27,061
52400: Prof. & Special Svcs - IT	4,320	1,500	1,530	1,561	1,592	1,624
52440: Rents and Leases - Equipment	5,168	3,465	3,535	3,605	3,678	3,751
52450: Rents and Leases - Buildings & Improvements	1,396	1,474	1,020	1,040	1,061	1,082
52460: Small Tools & Instruments	326	500	510	520	531	541
52480: PC Acquisition	0	27,000	3,000	3,000	3,000	3,000
52510: Director's Fees	1,800	6,000	6,000	6,000	6,000	6,000
52570: Advertising	8,924	54,660	55,754	56,869	58,006	59,166
52580: Special Department Expense	13,077	10,000	3,000	3,060	3,121	3,184
52790: Transportation and Travel	22,640	35,000	31,000	31,620	32,252	32,897
52800: Utilities	120,994	709,942	173,341	176,808	180,344	183,951
53190: Taxes and Assessments	355,155	500,097	502,610	499,583	497,421	489,623
53390: Transfer Out A-87 Costs	0	0	0	0	0	0
54410: Land	0	0	0	0	0	0
54430: Buildings and Improvements	0	442,000	0	0	0	0
54450: Equipment	75,747	0	0	0	0	0
54470: Infrastructure	0	1,048,386	100,000	0	0	0
54480: Land Improvements	197,903	1,774,418	0	0	7,994,508	1,475,800
55510: Operating Transfer Out	402,266	0	0	0	0	0
55550: Transfer to County for Road Improvements	364,229	0	0	0	0	0
59000: Appropriation for Contingencies	0	10,000	10,000	10,000	10,000	10,000
TOTAL APPROPRIATIONS	24,981,691	33,052,612	28,168,409	28,250,793	31,813,080	25,938,885
SUMMARY OF APPROPRIATIONS						
Related to Ongoing Operations	24,708,041	29,712,808	28,068,409	28,250,793	23,818,572	24,463,085
Related to Construction Projects	273,650	3,339,804	100,000	0	7,994,508	1,475,800
Related to Land Acquisition	0	0	0	0	0	0

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
SUB-ACCOUNT DETAIL						
52360: Prof. & Special Svcs - General						
2810: Financial Services	0	54,615	58,211	58,270	61,491	61,687
2880: Administration	0	165,000	168,300	171,666	175,099	178,601
2900: Audit Costs	0	20,000	20,400	20,808	21,224	21,649
2920: Aerial Surveys and Mapping Services	10,500	10,500	0	0	0	0
2930: Architectural Services, Professional	20,463	10,000	0	0	0	0
2940: Consulting Services	1,962,860	422,624	0	0	0	0
2950: Professional Engineering Services	75,657	3,116,108	1,882,042	1,301,843	1,251,380	1,276,407
3020: Armored Car Services	14,861	21,593	22,025	22,465	22,914	23,373
3045: Temporary Worker Services	77,244	90,000	55,000	56,100	57,222	58,366
52380: Prof. & Special Svcs - Tech., Eng. & Env.						
3140: Building Maintenance, Installation & Repairs	26,782	26,757	27,292	27,838	28,394	28,962
3180: MRF Operations	15,474,802	18,053,640	18,309,759	18,959,416	14,626,433	15,155,427
3190: Landfill Operations	2,245,619	2,635,378	2,852,780	2,941,263	2,846,956	2,899,820
3280: Security, Fire, Safety and Emergency Services	0	252,708	259,026	265,501	272,139	278,942
3320: Environmental and Ecological Services						
WPWMA staff	2,728,362	3,167,664	3,231,017	3,231,017	3,247,172	3,263,408
Environmental Consultants	275,895	0	0	0	0	0
53190: Taxes and Assessments						
4870: Taxes and Assessments - Disposal Taxes	301,566	414,491	415,286	410,507	406,557	396,935
4870: Taxes and Assessments - Property Taxes	588	606	624	643	662	682
4870: Taxes and Assessments - Permit Fees	53,001	85,000	86,700	88,434	90,203	92,007
MAJOR CONSTRUCTION PROJECTS						
54430: Buildings and Improvements						
Building Expansions, Retrofits and Modifications		442,000				
54450: Equipment						
MRF Equipment						
LFG Equipment	75,747					
Security Systems		75,000				
54470: Infrastructure						
Power		400,000				
Water						
Leachate/Sewage		298,386				
LFG Wells and Piping		350,000				
LFG Monitoring Systems						
Water Monitoring Systems			100,000			
54480: Land Improvements						
Liner Systems		1,774,418			7,994,508	
Cover Systems						1,475,800
Compost Pads and Ponds	197,903					
Other						
MAJOR CONSTRUCTION PROJECTS TOTAL	273,650	3,339,804	100,000	0	7,994,508	1,475,800

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
TIPPING FEE STRUCTURE						
Tipping Fee (\$ per ton)						
MSW	70.00	70.00	73.00	73.00	75.00	75.00
C&D	48.00	48.00	50.00	50.00	54.00	54.00
Sludge and Mixed Inerts	35.00	35.00	37.00	37.00	40.00	40.00
Green Waste	38.00	38.00	40.00	40.00	42.00	42.00
Wood Waste	27.00	27.00	28.00	28.00	30.00	30.00
Food Waste	42.00	42.00	44.00	44.00	46.00	46.00
Inerts	18.00	18.00	20.00	20.00	22.00	22.00
H2O Sludge	8.00	8.00	9.00	9.00	10.00	10.00
Roseville Recyclables	30.00	30.00	30.00	30.00	30.00	30.00
Bulk Tires	175.00	200.00	215.00	215.00	225.00	225.00
Tipping Fee (\$ per cubic yard)						
MSW	15.00	15.00	17.00	17.00	20.00	20.00
C&D	15.00	15.00	17.00	17.00	20.00	20.00
Green Waste	8.00	8.00	9.00	9.00	10.00	10.00
Wood Waste	8.00	8.00	9.00	9.00	10.00	10.00
Inerts	15.00	15.00	18.00	18.00	20.00	20.00
Tipping Fee (\$ per unit)						
Appliances	6.00	6.00	7.00	7.00	8.00	8.00
CFC Devices	32.00	32.00	35.00	35.00	37.00	37.00
Car Tires	3.25	3.50	4.00	4.00	4.50	4.50
Truck Tires	19.00	20.00	22.50	22.50	25.00	25.00
Tractor Tires	76.00	80.00	90.00	90.00	100.00	100.00
MATERIAL QUANTITIES						
MSW						
Tonnage	242,371	248,430	251,829	252,886	253,922	254,971
Yardage	100,422	102,933	104,341	104,779	105,208	105,643
C&D						
Tonnage	84,590	85,332	85,720	86,250	86,712	87,410
Yardage	36,984	35,393	35,555	35,774	35,966	36,255
Sludge and Mixed Inerts	24,151	22,351	22,657	19,258	17,332	15,599
Green Waste						
Tonnage	48,933	49,214	49,851	50,474	51,105	51,744
Yardage	38,194	38,343	38,840	39,325	39,817	40,314
Wood Waste						
Tonnage	2,193	1,962	1,929	1,929	1,929	1,929
Yardage	6,408	6,213	6,108	6,108	6,108	6,108
Food Waste	8,906	7,181	6,834	7,106	6,570	6,635
Inerts						
Tonnage	25,333	23,320	23,015	22,908	22,792	22,782
Yardage	17,099	17,254	17,029	16,949	16,863	16,856
Appliances	9,125	9,216	9,329	9,442	9,556	9,673
CFC Devices	3,850	3,889	3,936	3,984	4,032	4,081
Tires						
Car	6,764	6,832	6,915	6,999	7,084	7,171
Truck	105	106	107	108	109	110
Tractor	43	43	44	45	46	47
Bulk Tonnage	34	34	35	35	35	36
H2O Sludge	1,155	1,166	1,180	1,195	1,209	1,224

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
CLOSURE / POSTCLOSURE FUND						
<u>SOURCES OF FUNDS</u>						
Retained Earnings	347,768	374,020	0	0	0	0
42010: Investment Income	254,818	102,704	108,652	111,809	114,975	118,157
46250: Solid Waste Disposal	36,593	300,843	303,973	302,117	300,859	300,572
General Reserve Cancellations	0	0	149,655	0	133,928	131,936
TOTAL SOURCES OF FUNDS	639,179	777,567	562,280	413,925	549,762	550,664
<u>USES OF FUNDS</u>						
Closure/Postclosure Liability Adjustment	148,655	343,546	562,280	(55,238)	549,762	550,664
Contribution to General Reserves	116,504	434,021	0	469,163	0	0
Contribution to Operating Fund	0	0	0	0	0	0
Retained Earnings	374,020	0	0	0	0	0
TOTAL USES OF FUNDS	265,159	777,567	562,280	413,925	549,762	550,664
CLOSURE/POSTCLOSURE FUND BALANCE						
Closure/Postclosure Liability	12,412,407	12,755,953	13,318,233	13,262,995	13,812,757	14,363,421
General Reserves	1,012,951	1,446,972	1,297,317	1,766,480	1,632,553	1,500,617
TOTAL CLOSURE/POSTCLOSURE FUND BALANCE	13,425,358	14,202,925	14,615,550	15,029,475	15,445,310	15,864,038
SELF INSURANCE FUND						
<u>SOURCES OF FUNDS</u>						
Retained Earnings	(30,719)	89,827	0	0	0	0
42010: Investment Income	142,080	54,796	55,137	55,559	55,984	56,413
46250: Solid Waste Disposal	0	0	0	0	0	0
Future Occurances Reserve Cancellations	75,347	0	0	0	0	0
TOTAL SOURCES OF FUNDS	186,708	144,623	55,137	55,559	55,984	56,413
<u>USES OF FUNDS</u>						
52360: Prof. & Special Svcs - General	0	0	0	0	0	0
52370: Prof. & Special Svcs - Legal	96,881	100,000	0	0	0	0
52380: Prof. & Special Svcs - Tech., Eng. & Env.	0	0	0	0	0	0
52390: Prof. & Special Svcs - County	0	0	0	0	0	0
53140: Judgements and Damages	0	0	0	0	0	0
Contribution to Reserve for Future Occurances	0	44,623	55,137	55,559	55,984	56,413
Retained Earnings	89,827	0	0	0	0	0
TOTAL USES OF FUNDS	186,708	144,623	55,137	55,559	55,984	56,413
SELF INSURANCE RESERVE BALANCE						
Reserve for Future Occurances	7,162,887	7,207,510	7,262,648	7,318,207	7,374,191	7,430,604