Oregon
John A. Kitzhaber, MD, Governor

Department of Environmental Quality
Western Region Eugene Office
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TTY 711

June 13, 2013

Mr. Paul Burns
Waste Management
Riverbend Landfill
13469 SW Highway 18
McMinnville, OR 97128

RE: **NPDES 1200-Z Industrial Stormwater Discharge Permit Renewal**
Common Name: Riverbend Landfill
File Number: 106959
SIC Codes: 4653

Dear Mr. Burns:

DEQ has assigned your site coverage under the revised 1200-Z permit. The revised permit is effective July 1, 2012 through June 30, 2017. Due to the size of the permit, DEQ is providing the first two pages of the permit. The rest of the permit can be downloaded from http://www.deq.state.or.us/wq/wqpermit/docs/general/npdes1200z/Final1200Zpermit.pdf If you need a hard copy of the permit, please contact Kathy Jacobsen at (541)687-7326 or jacobsen.kathy@deq.state.or.us . **Please review the permit carefully. Some of the major changes to the permit are listed below.**

You are required to meet monitoring and corrective action requirements depending on the year of permit coverage (1st, 2nd, 3rd, 4th). The table below provides the date ranges for meeting these requirements.

1st Year	2nd Year	3rd Year	4th Year	5th Year
July 1, 2012 to June 30, 2013	July 1, 2013 to June 30, 2014	July 1, 2014 to June 30, 2015	July 1, 2015 to June 30, 2016	July 1, 2016 to June 30, 2017

Response to Benchmark Exceedances:
There are tiered corrective action responses for benchmark exceedances. (Please see pages 17 and 18 of permit). The Tier II corrective action requirements are triggered in the 2nd year you are operating under the new permit. **Please use the benchmark monitoring data collected from your site during the July 2013 to June 2014 monitoring year to calculate the 2nd year geometric mean.**

Monitoring:
You must monitor for the pollutant parameters in the attached table. There are new pollutant parameters to monitor such as impairment pollutants, additional pollutants, and sector specific benchmarks and numeric effluent limits for certain industrial sectors (please see pages 19 and 21 of permit). If a parameter is listed more than once in the attached table, you must sample according to the highest frequency and the laboratory results must meet the lowest concentration.

If you provided sampling information in your plan that is different than the information in the attached table, you will need to modify the plan to conform to the table. You do *not* need to send the modified plan to DEQ.

If you have any questions about this permit, please contact Mindi English at english.mindi@deq.state.or.us or (541)686-7763 or (541) 686-7838. Please send all written

correspondence, including submittal of DMRs, to: Industrial Stormwater Program, Oregon Department of Environmental Quality, Western Region – Eugene, 165 E. 7th Avenue, Suite 100, Eugene OR 97401, attn: Mindi English. For general information, including technical assistance on Best Management Practices and forms, please visit the DEQ website: http://www.deq.state.or.us/wq/stormwater/industrial.htm.

Sincerely,

Kathy Jacobsen
Water Quality Permit Coordinator
Western Region – Eugene Office
jacobsen.kathy@deq.state.or.us
(541) 687-7326

Attachments: Monitoring Table
Sector Specific Requirements
1200-Z Permit Cover Page

cc: File
Mr. Jeff O'Leary, Waste Management Riverbend Landfill, 13469 SW Highway 18, McMinnville, OR 97128

Riverbend Landfill
File No. 106959
Yamhill County

Statewide Benchmarks*

Parameter	Benchmark	Frequency**
Total Copper	0.020 mg/L	Four (4) times per year
Total Lead	0.040 mg/L	Four (4) times per year
Total Zinc	0.12 mg/L	Four (4) times per year
pH	5.5 - 9.0 su	Four (4) times per year
TSS	100 mg/L	Four (4) times per year
Oil & Grease	10 mg/L	Four (4) times per year
Note: If benchmarks are exceeded, please refer to Schedule A.10.i-iii (pgs 16-17) of the permit for appropriate corrective actions.		

Additional Pollutants

Parameter	Frequency
Total Cadmium	Eight (8) times over the first three (3) years of permit coverage
Total Chromium	Eight (8) times over the first three (3) years of permit coverage
Total Nickel	Eight (8) times over the first three (3) years of permit coverage
Note: Laboratories must use federally approved analytical method 3113B, 200.8, or other method specified in 40CFR136 for NPDES reporting.	

Sector - Specific Benchmarks and Numeric Effluent Limit Guidelines*

SIC Code	Parameter	Benchmark	Frequency**
Sector Specific Benchmarks			
4953	E.Coli	406 counts/100 mg/L	Four (4) times per year
4953	Total Iron	1.0 mg/L	Four (4) times per year
Numeric Effluent Limit Guidelines			
4953	Biochemical Oxygen Demand (BOD)	140 mg/L	Once per year
4953	Total Suspended Solids (TSS)	27 mg/L	Once per year***
4953	Ammonia	10 mg/L	Once per year
4953	Alpha Terpineol	0.033 mg/L	Once per year
4953	Benzoic Acid	0.12 mg/L	Once per year
4953	p-Cresol	0.025 mg/L	Once per year
4953	Phenol	0.026 mg/L	Once per year
4953	Total Zinc	0.20 mg/L	Once per year***
4953	pH	6-9 s.u.	Once per year***
Note: If sector specific concentration is exceeded, please refer to Schedule A.10.i-iii (pgs 16-17) of the permit for appropriate corrective actions.			

*** In regards to the new effluent limits, because they are only required once a year if you take a sample and all the results are under the daily maximum values, nothing more is required. If you are over the daily maximum, you may continue to sample for that parameter in a 30 day period to attempt to average all samples and achieve the more stringent concentrations under the monthly avg. maximum. If you can't get under the monthly avg. maximum with follow-up monitoring of any pollutant that exceeds the numeric effluent limit(s) within 30 days (or during the next measurable storm event should none occur within 30 days) of receiving the monitoring results, the permit registrant must monitor the discharge four times per year until compliance with the numeric effluent limit. This quarterly sampling applies to the specific pollutants that were over the daily maximum. Once your monitoring meets the daily maximum for each exceeded parameter, no additional monitoring is required and sampling will be decreased to annually again. You must sample annual for all five years of the permit and no waivers are applicable for numeric effluent limit guidelines.

When more than one type of monitoring for the same parameter at the same outfall applies (e.g., total suspended solids once per year for an effluent limit and 4 times per year for benchmark monitoring at a given outfall), you may use a single sample to satisfy both monitoring requirements (i.e., one sample satisfying both the annual effluent limit sample and one of the 4 bi-annual benchmark monitoring samples). Your monitoring requirements includes **3** overlapping parameters:

Pollutant	Effluent Limit	Statewide Benchmark
Total Zinc	0.20 mg/L	0.12 mg/L
TSS	88 mg/L	100 mg/L
pH	6-9 S.U.	5.5-9.0 S.U.

Because the effluent limits are pulled directly from the EPA's permit there are some inconsistencies in monitoring concentration in relation to statewide benchmark limits.

Total Zinc:

- **If samples are below 0.12 mg/L nothing more will be required and one result will satisfy both your yearly effluent limit sample *and* one of your 4 required statewide benchmark samples.**
- **If a sample is between 0.12 mg/L – 0.20 mg/L this will satisfy both your yearly effluent limit sample *and* one of your 4 required statewide benchmark samples, however, you must conduct Tier I Corrective Action; these reports are similar to the current "action plan" except findings will be summaries in what is now called a "Tier I report" and you no longer need to submit those to DEQ. Please retain on site.**
- **If all samples are above 0.20 mg/L for total zinc then you will be over the statewide benchmark limit and the effluent limits. Follow Tier I Corrective Action as required for a benchmark exceedence. This is not a permit violation. Follow above instructions on numeric effluent limits guidelines follow-up sampling.**

IF *THE FOLLOW UP MONITORING EXCEEDS THE EFFLUENT LIMIT:* *Submit an Exceedance Report to DEQ no later than 30 calendar days after receiving the lab results. The report must include the monitoring data from this monitoring event and the preceding monitoring event(s) and an explanation of the situation; what the permit registrant has done to correct the violation or intends to do if the corrective actions are not complete.*

If the permit registrant is failing to implement the control measures in the SWPCP, they must take corrective actions and implement the measures before the next storm event if practicable, unless otherwise approved by DEQ. If modifications to the control measures are necessary to meet the effluent limits in the permit, permit registrant must revise SWPCP within 30 days. Permit registrant must implement the corrective actions before the next storm event if practicable or no later than 60 days from discovering the violation, unless a later date is approved by DEQ or Agent. Numerical effluent limits are enforceable permit conditions.

TSS:

- **Need to have one of the 4 bi-annual samples be under 88 mg/L. If all 4 statewide benchmark results are between 89 mg/L and 100 mg/L, must take an additional sample to fulfill the annual numeric effluent limit concentration of 88 mg/L.**
- **Follow corrective action as above if all samples are over 100 mg/L. You must complete Tier 1 reports and follow effluent sampling conditions if exceed the limit. (***Follow-up sampling within 30 days or next rain event and if can't achieve daily maximum or average monthly maximum conduct quarterly sampling until achieved)*

pH:

- **Need to have all samples be between 6.0 and 9.0 s.u. to satisfy both effluent limit and statewide benchmark.**
- **If one sample is greater than 5.5 and less than 6 s.u., follow Tier I Corrective Action as required for a benchmark exceedence. This is not a permit violation. Follow above instructions on numeric effluent limits guidelines follow-up sampling.**

Reference Concentrations for Impairment Pollutants

Stream Name: Unnamed Creek and Unnamed Drainage
LLID#: N/A

There are no monitoring requirements related to 303d listed river segments.

Inspection and Record Keeping Requirements

Inspection Location	Reason Inspected	Frequency	Recorded Information Required
Outfalls	Floating Solids, Foam, Visible Oils Sheen, Discoloration or Other Pollutants Discharging to Receiving Waters	Monthly – when storm water discharge is occurring	Date, Time, Control Measure Maintenance Required, Previously Unidentified Pollutants, and Presence of Solids (Associated with the Industrial Activity)
Residue and Trash	Evidence of Stormwater Contact	Monthly	Date, Time, Control Measure Maintenance Required, Previously Unidentified Pollutants
Industrial Equipment, Drums, Tanks, and Containers	Evidence of Leaks or Spills	Monthly	Date, Time, Control Measure Maintenance Required, Previously Unidentified Pollutants
Entrances and Exits	Tracking/Blowing of Raw, Final, or Waste Materials	Monthly	Date, Time, Control Measure Maintenance Required, Previously Unidentified Pollutants
Stormwater Drainage System	Pollutants Entering the System	Monthly	Date, Time, Control Measure Maintenance Required, Previously Unidentified Pollutants
Stormwater Control Measures	Ensure Proper Functionality	Monthly	Date, Time, Control Measure Maintenance Required, Previously Unidentified Pollutants
Sector Specific	Sector Specific	Monthly	Sector Specific
Note: Required recorded information must be documented in an inspection report that is retained on-site and submitted to DEQ or Agent upon request.			

NOTES:
** Individual parameters are eligible for waiver if the geometric mean of four (4) consecutive sampling results is below benchmarks. Please notify DEQ in writing to request a monitoring waiver.*

*** Two (2) samples are to be collected between January 1 and June 30, and two (2) samples collected between July 1 and December 31 each year.*

mg/L = milligrams per liter
s.u. = standard units

N/A – Not applicable