



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental
Conservation

DIVISION OF ENVIRONMENTAL HEALTH
Solid Waste Program

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December 4, 2015

Terrance Dolan
Public Works Director
Matanuska-Susitna Borough
350 East Dahlia Ave
Palmer, AK 99645

RE: Matanuska-Susitna Borough Central Landfill,
Solid Waste Permit No. SW1A007-20

Dear Mr. Dolan:

The Alaska Department of Environmental Conservation (ADEC) has completed its evaluation of the Matanuska-Susitna Borough (MSB) permit application for Palmer Central Landfill, dated October 16, 2015. This permit is being issued in accordance with Alaska Statute (AS) 46.03; Title 18, Chapter 15 of the Alaska Administrative Code (18 AAC 15); and the Solid Waste Regulations (18 AAC 60). Please review the conditions and stipulations in the permit and ensure that they are understood.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 - 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, Alaska Department of Environmental Conservation, 555 Cordova Street, Anchorage, AK 99501 within 15 days of the permit decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days of the permit decision. If a hearing is not requested within 30 days, the right to appeal is waived. More information regarding submitting a request for an informal review or adjudicatory hearing may be found at www.dec.state.ak.us/commish/ReviewGuidance.htm. Even if an adjudicatory hearing has been requested and granted, all permit conditions remain in effect unless a stay has been granted.

Please contact Kaylie Holland at (907) 269-7626 or by email at kaylie.holland@alaska.gov if you have any questions or require any additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read "Lori Aldrich", with a long horizontal flourish extending to the right.

Lori Aldrich
Solid Waste Regional Program Manager

Enclosure: Permit #SW1A007-20, expiring on December 4, 2020

STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
555 Cordova Street
Anchorage, AK 99501

SOLID WASTE DISPOSAL PERMIT

Permit No. **SW1A007-20**

Date Effective: December 4, 2015
Date Expires: December 4, 2020

The Alaska Department of Environmental Conservation (ADEC), under authority of AS 46.03 and 18 AAC 60, issues a solid waste disposal permit to:

**Matanuska-Susitna Borough
Palmer Central Landfill
350 E. Dahlia Avenue
Palmer, Alaska 99645-6488**

and designated representatives for the management and operation of a Class I municipal solid waste landfill. It authorizes operation of municipal waste cells 2B, cell 3, and separate cells for construction and demolition (C&D) waste and asbestos containing material.

The landfill is located at Milepost 3 of the Palmer-Wasilla Highway at the southern end of North 49th State Street. The active landfill is currently limited to an approximately 160-acre section of the 620-acre site, within Sections 1, 11, and 12, Township 17 North, Range 1 East, Seward Meridian.

The permit holder shall manage and operate the facility in accordance with:

- 18 AAC 60;
- permit application materials, dated October 16, 2015; and,
- additional application materials submitted November 13th, 15th, and 23rd, 2015.

In addition, the following permit conditions are required:

Waivers

MSB has requested that ADEC to approve an alternative cover material under 18 AAC 60.340(C) to allow the facility to use 6.5oz polypropylene cover L/ADC as an alternative to daily soil cover. ADEC concurs that use of the alternative material will control disease vectors, wildlife attraction, fire, odor, blowing litter, and scavenging, without posing a threat to public health or the environment. ADEC approves use of the alternative cover.

Specific Conditions

Facility Design

1. Submit designs for new landfill cells, for ADEC approval, at least 90 days prior to expected construction.
2. Limit vertical expansion of the landfill cells to 340 feet elevation.

3. Maintain a slope no greater than 3 to 1 (horizontal to vertical) on all interior slopes of the cells. Interior slopes are those that will have waste placed against them in the future based on the approved facility plans.
4. Maintain a slope no greater than 4 to 1 (horizontal to vertical) on all exterior slopes of the cells. Exterior slopes are those that will not have waste placed against them in the future based on the approved facility plans.

Facility Operations

5. For noise control:
 - a. Do not operate any heavy equipment or commercial size trucks at the landfill working face from 9 p.m. to 7 a.m., excluding emergency situations;
 - b. Only operate vehicles at the landfill with properly sized and functional mufflers installed;
 - c. Do not operate construction equipment or commercial size trucks at the landfill from 10 p.m. to 6 a.m. for the construction of new landfill cells.
6. Maintain a minimum separation distance of 50 feet between the active placement of solid waste and the facility boundary, except next to residential areas. All new cells next to residential areas must have a separation distance of 300 feet between the cell boundary and the facility boundary.

Municipal Waste Cell Operations

7. Ensure that only one working face/dumping location for municipal waste is exposed at any one time, and that it is located within the footprint of cells 2B or cell 3. The maximum size of the working face shall not exceed 200 feet wide and 10 feet tall.
8. Maintain an active litter cleanup program year-round on the property surrounding the landfill.

Construction & Demolition (C&D) Cell Operations

9. Ensure that only one working face/dumping location for C&D waste is exposed at any one time.
10. Compact, consolidate, and cover the C&D waste monthly or more frequently if needed to control litter and vectors.
11. Ensure that no asbestos containing material (ACM) is disposed in the C&D cell.

Asbestos Cell Operations

12. Ensure that all ACM is disposed in the asbestos cell. Friable ACM must be sealed in leak-proof bags or containers with proper labeling prior to acceptance at the facility. Non-friable ACM, if not containerized, must be deposited in the designated asbestos disposal area in a manner that does not result in breakage and the subsequent release of asbestos dust.
13. Ensure that all asbestos-containing waste material is covered with at least six (6) inches of soil material by the end of the day of disposal.
14. Ensure that designated representative is present at the site to supervise each disposal.

Monitoring

15. MSB must submit a Quality Assurance Project Plan (QAPP) for facility monitoring no later than **February 1, 2016**. The QAPP must meet the requirements of the review letter, dated December 4, 2015.

16. Visually monitor the site each month for signs of damage or potential damage from settlement, ponding, erosion, leachate seeps, animal attraction and compliance with other permit conditions. Record the inspection results on the form submitted in the monitoring plan. Maintain the inspection results in the facility's operating record.
17. MSB must conduct groundwater monitoring at the facility to include the following:
 - a. Groundwater elevations for all wells must be recorded at each sampling event.
 - b. For wells designated for detection monitoring, test all water quality samples for the constituents listed in Appendix I of Title 40, part 258 of the Code of Federal Regulations (40 CFR 258) and the following compounds from Table J of 18 AAC 60: specific conductivity, temperature, pH, Chloride, DRO, GRO, Mercury, and Total Dissolved Solids.
 - c. For wells subject to assessment monitoring, test all water samples for all constituents listed in Appendix II of 40 CFR 258 in the June sampling. In the December sampling, these wells must be tested for Appendix I constituents, plus any Appendix II constituents detected above the method detection limit (MDL) at the facility in any sampling event.
 - d. Submit a report to ADEC no **later than 60 days** after conducting a monitoring event, in an approved format, and including the appropriate analyses.

Permit Documentation

18. The permit application materials cited above must accompany the permit document for the permit to be valid.

General Conditions

1. Access and inspection - The Permittee shall allow the Commissioner or his representative access to the permitted facilities at reasonable times to conduct scheduled or unscheduled inspections or tests to determine compliance with this permit, State laws, and regulations.
2. Information access - Except for information relating to confidential processes or methods of manufacture, all records and reports submitted in accordance with the terms of this permit shall be available for public inspection at the State of Alaska, Department of Environmental Conservation, 610 University Avenue, Fairbanks, AK 99709.
3. Civil and criminal liability - Nothing in this permit shall relieve the Permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, including, but not limited to, accidents, equipment breakdowns, or labor disputes.
4. Availability - The Permittee shall post or maintain a copy of this permit available to the public at the disposal facility.
5. Adverse impact - The Permittee shall take all necessary means to minimize any adverse impacts to the receiving waters or lands resulting from noncompliance with any limitation specified in this permit, including any additional monitoring needed to determine the nature and impact of the noncomplying activity. The Permittee shall clean up and restore all areas adversely impacted by the noncompliance.

6. Cultural or paleontological resources - Should cultural or paleontological resources be discovered as a result of this activity, work which would disturb such resources is to be stopped, and the State Historic Preservation Office, Division of Parks and Outdoor Recreation, Department of Natural Resources, is to be notified immediately (907 269-8721).
7. Applications for renewal - In accordance with 18 AAC 15.100(d), applications for renewal or amendment of this permit must be made no later than 30 days before the expiration date of the permit or the planned effective date of the amendment.
8. Other legal obligations - The requirements, duties, and obligations set forth in this permit are in addition to any requirements, duties, or obligations contained in any permit that the Alaska Department of Environmental Conservation or the U.S. Environmental Protection Agency has issued or may issue to the Permittee. This permit does not relieve the Permittee from the duty to obtain any and all necessary permits and to comply with the requirements contained in any such permit or with applicable state and federal laws and regulations. All activities conducted by the Permittee pursuant to the terms of this permit and all plans implemented by the Permittee pursuant to the terms of this permit shall comply with all applicable state and federal laws and regulations.
9. Pollution prevention - In order to prevent and minimize present and future pollution, when making management decisions that affect waste generation, the Permittee shall consider the following order of priority options: waste source reduction; recycling of waste; waste treatment; and waste disposal.

This permit expires on December 4, 2020 and may be revoked or amended in accordance with 18 AAC 60.260. The permit can be renewed if the facility will operate beyond this date. **To avoid expiration of this permit, a renewal application must be submitted to ADEC at least 30 days before the expiration date, as set forth in 18 AAC 15.110.**



Lori Aldrich
Solid Waste Regional Program Manager