

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

LONG FORM

\*\*\* WATERBODY \*\*\*

Name of Waterbody: Kodiak Landfill Creek

Location or Lat/Long: Near Kodiak

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<b>Waterbody Type:</b>	<b>Waterbody Size:</b>	<b>ADEC USE ONLY</b> 304: N L M S WQL: 0 - N 1 - PS 2 - NPS 3 - WQS 4 - Con/Ent ID#: _____
<input checked="" type="checkbox"/> River/Stream	_____ Miles	
<input type="checkbox"/> Lake	_____ Acres/Hectares	
<input type="checkbox"/> Fresh Wetland	_____ Acres/Hectares	
<input type="checkbox"/> Tidal Wetland	_____ Acres/Hectares	
<input type="checkbox"/> Estuary	_____ Square Miles	
<input type="checkbox"/> Coastal Shoreline	_____ Square Miles	
<input type="checkbox"/> Groundwater		

**Segment of Waterbody Addressed:**  
 From: \_\_\_\_\_  
 To: \_\_\_\_\_  
 Other Description: \_\_\_\_\_  
 Size of Segment: \_\_\_\_\_

USGS Hydrologic Unit #: AK 190 20701-001

\*\*\* ASSESSMENT \*\*\*

**Describe Source of Pollution and Documentation Provided:**

Kodiak Landfill leachate into River

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<b>Type of Documentation (Attached If Possible):</b>	<b>Assessment type:</b>
<input type="checkbox"/> Water quality data	<input checked="" type="checkbox"/> Monitored
<input type="checkbox"/> Documented oil spill	<input type="checkbox"/> Evaluated
<input type="checkbox"/> Enforcement action	
<input type="checkbox"/> Photos with documentation	
<input type="checkbox"/> Photos without documentation	
<input checked="" type="checkbox"/> Written report	
<input type="checkbox"/> Field notes	
<input type="checkbox"/> Overflight	
<input type="checkbox"/> Observation	
<input type="checkbox"/> Other	

<b>Violation of Water Quality Standards:</b>	<b>Waterbody Status:</b>
<input type="checkbox"/> Past Violation Documented	<input type="checkbox"/> Impaired - Past
<input type="checkbox"/> Current Violation Documented	<input type="checkbox"/> Impaired - Current
<input checked="" type="checkbox"/> Current Violation Suspected	<input checked="" type="checkbox"/> Suspected
<input type="checkbox"/> Future Violation Projected	<input type="checkbox"/> Unimpaired

**Comments:** monitoring wells in area of Landfill

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**Author of This Assessment:** C. Kent      **Affiliation:** ADEC      **Date:** 89 09  
 YY/MM

**Meets Clean Water Act Goals:**

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Fishable     | <input checked="" type="checkbox"/> Swimmable     |
| <input type="checkbox"/> Not Fishable            | <input type="checkbox"/> Not Swimmable            |
| <input type="checkbox"/> Fishable Not Attainable | <input type="checkbox"/> Swimmable Not Attainable |

**Impaired Uses:**

FRESHWATER

- Drinking
- Agriculture
- Aquaculture
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife

MARINE

- Aquaculture
- Seafood Processing
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife
- Harvest of Fish, Shellfish

**Support of Designated Uses:**

- One or More Uses Not Supported (Impaired)
- One or More Uses Partially Supported (Partially Impaired)
- One or More Uses Suspected to Be Affected (Suspected)
- One or More Uses Projected to Become Affected (Projected)
- All Uses Fully Supported, sources present (Unimpaired)
- All Uses Fully Supported, no sources present (Unimpaired)

**Trophic Status:**

- Oligatrophic
- Mesatrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

**Trophic Trend**

- Improving
- Stable
- Deteriorating

\*\*\* TOXICS \*\*\*

**Monitored for Toxics:**  Yes  No

**Type of Toxics Monitoring:**

- |   |  |
|---|--|
| <input type="checkbox"/> 1 Organics in water column   | <input type="checkbox"/> 10 Metals in sediments              |
| <input type="checkbox"/> 2 Organics in sediments      | <input type="checkbox"/> 11 Metals in fish tissue            |
| <input type="checkbox"/> 3 Organics in fish tissue    | <input type="checkbox"/> 12 Metals in discharges             |
| <input type="checkbox"/> 4 Organics in discharges     | <input type="checkbox"/> 13 Other inorganics in water column |
| <input type="checkbox"/> 5 Pesticides in water column | <input type="checkbox"/> 99 Other inorganics in sediments    |
| <input type="checkbox"/> 6 Pesticides in sediments    | <input type="checkbox"/> 99 Other inorganics in fish tissue  |
| <input type="checkbox"/> 7 Pesticides in fish tissue  | <input type="checkbox"/> 14 Other inorganics in discharges   |
| <input type="checkbox"/> 8 Pesticides in discharges   | <input type="checkbox"/> 15 Toxicity testing of water column |
| <input type="checkbox"/> 9 Metals in water column     | <input type="checkbox"/> 16 Toxicity testing of sediments    |
|   | <input type="checkbox"/> 17 Toxicity testing of discharges   |

**Fish and Shellfish Contamination:**

- 0 None detected
- 1 Contaminated fish
- 2 Fishing advisory
- 3 Fishing ban
- 4 Fish abnormalities
- 5 Shellfish restrictions due to pathogens
- 6 Fish kill

Pollutants: (H = High, M = Medium, S = Slight)

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> 0 Cause Unknown        |   |   |
| <input type="checkbox"/> 1 Unknown toxicity     |   |   |
| <input type="checkbox"/> 2 Pesticides           | Type _____  |   |
| <input type="checkbox"/> 3 Priority organics    | Type _____  |   |
| <input type="checkbox"/> 4 Nonpriority organics | Type _____  |   |
| <input checked="" type="checkbox"/> 5 Metals    | Type _____  |   |
| <input type="checkbox"/> 6 Ammonia              | <input checked="" type="checkbox"/> 12 Organic enrichment     | <input type="checkbox"/> 18 Radiation                 |
| <input type="checkbox"/> 7 Chlorine             | <input checked="" type="checkbox"/> 13 Salinity/TDS/Chlorides | <input type="checkbox"/> 19 Oil and Grease            |
| <input type="checkbox"/> 8 Other inorganics     | <input type="checkbox"/> 14 Thermal modifications             | <input checked="" type="checkbox"/> 20 Taste and Odor |
| <input checked="" type="checkbox"/> 9 Nutrients | <input type="checkbox"/> 15 Flow alteration                   | <input type="checkbox"/> 21 Suspended solids          |
| <input type="checkbox"/> 10 pH                  | <input type="checkbox"/> 16 Habitat alteration                | <input type="checkbox"/> 22 Noxious aquatic plants    |
| <input type="checkbox"/> 11 Siltation           | <input type="checkbox"/> 17 Pathogens                         | <input type="checkbox"/> 23 Filling and draining      |

Sources of Pollutants: (H = High, M = Medium, S = Slight)

Point Sources

- 1 Industrial
- 2 Municipal
- 3 Municipal pretreatment
- 4 Combined sewers
- 5 Storm sewers
- 6 Other dischargers

Resource extraction/exploration

- 51 Surface mining
- 52 Subsurface mining
- 53 Placer mining
- 54 Dredge mining
- 55 Petroleum activities
- 56 Mill tailings
- 57 Mine tailings

Nonpoint Sources

- 9 Unspecified

Land Disposal (Permitted Activities)

- 61 Sludge
- 62 Wastewater
- 63 Landfills
- 64 Industrial land treatment
- 65 Onsite wastewater systems
- 66 Hazardous waste
- 67 Septage disposal

Agriculture

- 11 Non-irrigated crop production
- 12 Irrigated crop production
- 13 Specialty crop production
- 14 Pasture land
- 15 Range land
- 16 Feedlots
- 17 Aquaculture
- 18 Animal holding areas
- 19 Manure lagoons

Hydrologic Modification

- 71 Channelization
- 72 Dredging
- 73 Dam construction
- 74 Flow regulation/modification
- 75 Bridge construction
- 76 Removal of riparian vegetation
- 77 Streambank modification
- 78 Draining/filling of wetlands

Silviculture

- 21 Harvest, restoration
- 22 Forest management
- 23 Road construction/maintenance

Construction

- 31 Highway/road/bridge
- 32 Land development

Other

- 81 Atmospheric deposition
- 82 Waste storage/storage tank leaks
- 83 Highway maintenance and runoff
- 84 Spills
- 85 In-place contaminants
- 86 Natural
- 87 Recreational activities
- 88 Upstream impoundment
- 89 Salt storage sites
- 99 Septic tank seepage

Urban Runoff

- 41 Storm sewers
- 42 Combined sewers
- 43 Surface runoff

Source Unknown

- 90 Source Unknown

DESCRIBE POLLUTANTS AND POLLUTANT SOURCES. THE BASIS FOR THE DETERMINATION THAT A WATERBODY IS IMPAIRED MUST BE EXPLAINED IN THIS SECTION. DESCRIBE THE NATURE OF THE VIOLATION OF WATER QUALITY STANDARDS, INCLUDING DATA OR OTHER DOCUMENTATION IN RELATION TO STANDARDS. ALSO DESCRIBE WHETHER THE VIOLATION IS CONSIDERED PAST OR CURRENT, AND OTHER RELEVANT INFORMATION.

Kodiak Landfill Leachate into River.

**Point Sources:**

NPDES Permit Number: \_\_\_\_\_  
NPDES Permit Name: \_\_\_\_\_  
Causes Nonattainment:  Yes  No  
Pollutant: \_\_\_\_\_

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NPDES Permit Name: \_\_\_\_\_  
Causes Nonattainment:  Yes  No  
Pollutant: \_\_\_\_\_

**Nonpoint Sources:**

Nonpoint Source Name: \_\_\_\_\_  
Nonpoint Source Type: \_\_\_\_\_  
Nonpoint Source Description: \_\_\_\_\_

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