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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

P. O. BOX 1601

FAIRBANKS, ALASKA 99707

SOLID WASTE DISPOSAL PERMIT

PERMIT NO. 8636-BA010

DATE: July 31, 1986

This Solid Waste Disposal Permit is issued to the United States Air Force, DEW System Office, Peterson AFB, Colorado 80914, for the operation of a landfill for disposal of ash and incinerator residues at POW-1 Dew Line Station, SW 1/4, Section 17, T.18N., R.5W., Umiat Meridian. This permit is subject to the conditions and stipulations contained in Appendices A, B, and C, which are incorporated herein by reference.

This permit is issued under the provisions of Alaska Statute 46.03, the Alaska Administrative Code, as amended or revised, and other applicable state laws and regulations.

This permit is effective upon issuance and expires August 1, 1991. It may be terminated or modified in accordance with AS 46.03.120.

Douglas L. Lowery

Douglas L. Lowery
Regional Environmental Supervisor

STATE OF ALASKA

BILL SHEFFIELD, GOVERNOR

DEPT. OF ENVIRONMENTAL CONSERVATION

(907) 452-1714

July 31, 1986

Northern Regional Office
P. O. Box 1601
Fairbanks, Alaska 99707-
1601

CERTIFIED MAIL
RETURN RECEIPT
REQUESTED

Colonel Charles B. Neel
U. S. Air Force
DEW System Office
Peterson Air Force Base, Colorado 80914

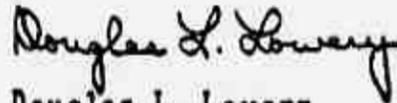
Dear Colonel Neel:

Re: POW - 1 DEW Line Solid Waste Site
Solid Waste Disposal Permit 8636-BA010

The Department of Environmental Conservation has completed its evaluation of your Solid Waste Disposal application for the subject facility and is issuing the enclosed permit in accordance with AS 46.03.100, et. seq., and 18 AAC 60. Please review the permit's conditions and stipulations and ensure they are all understood. Note that the last page of Appendix C is a letter from Felec Services, Inc., which agrees to closeout of the existing Camp Lonely solid waste site prior to actual use of the POW-1 site.

Any person who disagrees with this decision may appeal the decision by requesting an adjudicatory hearing, using the procedures contained in 18 AAC 15.200-310. Hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 3220 Hospital Drive, P. O. Box 0, Juneau, Alaska 99811, within 30 days of receipt of this letter. If a hearing is not requested within 30 days, the right to appeal is waived and the decision becomes final.

Sincerely,



Douglas L. Lowery
Regional Environmental Supervisor

RC:rg
Enclosure: Permit 8636-BA010
cc: K. Kelton, ADEC/Juneau
L. Dietrick, ADEC/NSDO

APPENDIX A - SPECIFIC PERMIT CONDITIONS AND STIPULATIONS

I. LANDFILL CONSTRUCTION AND DEVELOPMENT

- a. Construct approach ramp and above grade disposal cells in accordance with the description and drawings submitted with the permit application dated May 9, 1986. The written plans and drawings are contained in Appendix C of this permit.
- b. Construct and utilize the landfill at the location approved by the department's Northern Regional Office. Construction of cells in addition to those approved, or alteration of the design or construction of the proposed cells, within the term of this permit requires notification and prior approval from the department.
- c. Place at least one foot of gravel over the original ground surface prior to disposal of any wastes.
- d. Construct and maintain drainage structures as required to prevent surface water runoff from entering active or completed disposal areas.

II. OPERATION AND MAINTENANCE CONDITIONS

- a. Store all kitchen wastes and other putrescible wastes in a safe and sanitary manner prior to incineration. The wastes will, at no time, be stored where they may attract or be accessible to wildlife.
- b. Incinerate all putrescible and combustible wastes and sewage sludges generated by the camp operations prior to land disposal.
- c. Operate the incinerator in compliance with the Alaska Air Quality Control Regulations, 18 AAC 50.
- d. Clean up and control all littered and windblown material in and around the disposal facility through the use of litter fencing, regular policing and other means as required.
- e. Restrict disposal at the facility to inert incinerator residue and ash.
- f. Place incinerator residues and ash in the disposal cell and spread in layers not exceeding 2 feet in depth and compact with a heavy tractor or other approved equipment.

II. OPERATION AND MAINTENANCE CONDITIONS

- g. Operate only one disposal cell at a time and do not begin filling a new cell until the previously operated one is completely filled and covered.
- h. Placement, compaction, and covering of waste materials shall be conducted in accordance with the application dated May 9, 1986, included as Appendix C. Additional compaction or cover requirements may be imposed if the site attracts wildlife.

III. CLOSURE AND RESTORATION

- a. Grade the completed landfill area to promote surface water runoff without erosion. Surface restoration and erosion control work such as revegetation will be required again if the department determined that significant erosion has occurred within two years of facility closure. This restoration will be completed within six weeks after moving to a permanent location.
- b. The final landfill cover shall consist of two feet of cover material, the uppermost six inches of which will sustain vegetation.

IV. MONITORING AND REPORTING

Submit 2 sets of "as-built" or record drawings of the completed facility within 90 days of the facility completion and closure. The drawings shall accurately show the limits of all solid waste deposition, both horizontally and vertically, including the limits of each disposal cell. The drawings may be referenced to the State Plane Coordinate System, or other recognized system, or to a monumented, well-referenced local system described on the drawings.

V. PROHIBITIONS AND SPECIAL RESTRICTIONS

- a. Prohibit discharge of firearms at the facility.
- b. Prohibit the landfilling of all liquid wastes including sewage sludge, oily wastes, greases, paints, drilling muds, and hazardous or toxic substances.
- c. This permit is valid only for remote camp refuse disposal.
- d. Ensure the site is maintained to prevent attraction of bears or other animals and birds.

APPENDIX B - GENERAL CONDITIONS

I. 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 and state laws.

II. 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 inspections at the Alaska Department of Environmental Conservation, Northern Regional Office, P. O. Box 1601, Fairbanks, Alaska 99707-1601.

III. 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.

IV. AVAILABILITY

The permittee shall post or maintain a copy of this permit available to the public at the disposal facility.

V. ADVERSE IMPACT

The permittee shall take all necessary means to minimize any adverse impact to the receiving water or lands from noncompliance with any limitations 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.

VI. CULTURAL OR PALEONTOLOGICAL RESOURCES

Should cultural or paleontological resources be discovered as a result of this activity, work which would disturb such resources are to be stopped, and the Office of History and Archaeology, Division of Parks and Outdoor Recreation, Department of Natural Resources, is to be notified immediately (276-2653).

VII. 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 thirty days before the expiration date of this permit or the planned effective date of the amendment.

* D. For all landfilling/landspreading facilities: A soil permit 8636-BA010
base. In test holes dug at representative locations to a depth of 10
at least four feet deeper than the lowest level of proposed
solid waste deposition. The minimum number of holes based on
facility size shall be:

less than 10,000 ft² ----- one hole
10,000 ft² to one acre ----- two holes
large than one acre ----- two holes per acre

These numbers can be greatly reduced in large sites if the
results of initial borings indicate a uniform, predictable
soils/hydrology situation throughout the site.

The report shall include:

1. graphic representation of the soil profiles,
 2. a discussion of the sites' groundwater hydrology based
on the test holes and data from any wells in the nearby
area.
- E. For all HAZARDOUS WASTE PROCESSING AND DISPOSAL FACILITIES:
Detailed plans and specifications of the facility, the wastes
to be accepted, methods and equipment for waste handling,
treatment, storage and disposal, pollution controls, safety equip-
ment and precautions, and emergency operating plans.
- F. A letter from the local government certifying compliance with
local ordinances, zoning requirements, and coastal zone manage-
ment plans and regulations. If the applicant is not the owner
of the property, include a written statement from the property
owner detailing the arrangement giving the applicant control of
the facility for the proposed activity.

I, COL. CHARLES B. NEEL, certify under penalty or perjury,
that all of the above information and exhibits are true, correct and
complete.

Applicant's Signature

Charles B. Neel

Date

9 MAY 96

* * * * *

Submit two copies of all application materials to the appropriate regional
office indicated on the map on page 4.

PERMIT RENEWALS: A permittee that has a departmentally approved plan that
meets the requirements specified in this application form may apply for a
new permit by submitting a signed application form and a report of the changes
and progress that has occurred during the preceding permit period.

Those facilities without a currently acceptable plan shall submit all
the planning documents and data required by this application for departmental
review and approval prior to receiving a new permit.

* AS PER ADEC LETTER BY R. CORMACK, ENV. FIELD ENGINEER, DATED 20 AUG 1985,
PART D IS WAIVED.

DEVELOPMENT AND OPERATION
OF THE POW-1 LANDFILL

The landspread will be opened at an area approximately 1/4 mile southwest of the POW-1 DEW Line station, on the northwest side of the water lake road. Topography of the proposed location is generally flat tundra consisting of raised-center polygons. Elevation is approximately 8 feet above sea level.

All incinerable domestic waste from the site, such as food scraps and paper will be burned in the site incinerators. Incinerator ashes, along with glass and metal cans, will make up the bulk of the waste.

Occasionally, small amounts of construction debris will be dumped. The list of debris is varied, but will generally consist of scraps of lumber, metals, (mostly ferrous, some copper and aluminum) and plastics (mostly ABS or PVC pipe). Lumber and other burnable material, which does not create black smoke, will be burned in a steel cage and the residue will be deposited in the landfill.

Approximately once per year sludge from the site's extended aeration treatment plant will be deposited. Prior to deposition the sludge will be incinerated.

Development of the landfill will proceed as follows:

A protective gravel pad about one foot thick will be deposited over the entire area of the proposed landfill and the rampway connecting the landfill to the adjacent road. Earth moving equipment will only be allowed to operate within the perimeter of this pad. Gravel will then be built up over the rampway, gradually sloping from 3 feet thick at the road to 4 1/2 feet thick at the edge of the landfill. The purpose of the rampway is to provide access to pickup trucks. Cell #1 will be constructed at the end of the rampway by enclosing a 20 X 20 foot section of the pad with gravel berms approximately 3 1/2 feet higher than the protective pad. Two feet of fill material will be deposited in the cell and it will then be covered with 1 1/2 feet of gravel. The other cells, #2 through #25 will be constructed, filled and closed in a similar manner. It is expected that each cell will be used for four to six months. When all twenty-five cells have been closed, the entire area will be covered with 6 inches of topsoil or prepared gravel and seeded. We estimate that the landfill will have a useful life of eight to twelve years.

- Incineration
- Baling
- Shredding
- Composting
- Other: _____

6. The average annual precipitation in the area is 4 inches.

FOR LANDFILLS ONLY

- 7. The deposited refuse will be consolidated, compacted and covered with soil at least one times per ~~(week)~~ (month) during the summer and at least one times per ~~(week)~~ (month) during the winter.
- 8. The maximum width of the exposed working face will be 0 ft. The maximum vertical height of the working face will be 0 ft. Each cell will be 20 x 20 feet and surrounded by a berm. There will be no working face.

PART II

The applicant shall submit two copies of the following information with the completed, signed application forms:

A. Maps of the site and surrounding area that clearly show the following:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Geographic location | <input checked="" type="checkbox"/> Buildings |
| <input checked="" type="checkbox"/> Surface contours | <input checked="" type="checkbox"/> Airports w/in 2 miles |
| <input checked="" type="checkbox"/> Site boundaries | <input checked="" type="checkbox"/> All surface waters |
| <input checked="" type="checkbox"/> Roads and railroads | <input checked="" type="checkbox"/> Wells w/in 1/4 mile |

* B. Facility plans or drawings showing: (a) the existing site conditions, (b) the proposed development steps, and (c) the proposed appearance of the completed site. The plans shall include contours of five foot interval or less, and shall utilize a scale no less than one inch equals forty feet unless specifically approved by the department. These plans shall include, at a minimum, the location and construction details of:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Surface drainage controls | <input type="checkbox"/> Visual Screening |
| <input checked="" type="checkbox"/> Access and on-site roads | <input type="checkbox"/> Pollution control or monitoring devices |
| <input checked="" type="checkbox"/> Disposal trenches or cells | <input type="checkbox"/> Significant storage, processing or disposal features |
| <input type="checkbox"/> Fences and gates | |
| <input type="checkbox"/> Buildings & fixed equipment | |
| <input type="checkbox"/> Soil Boring Locations | |
| <input type="checkbox"/> Monitoring well construction details | |

C. A narrative description of the proposed development and operation procedures including those intended to prevent or control ground and surface pollution, disease vectors, wildlife access, litter, fires, odor, noise, and safety and nuisance problems.

* AS PER ADEC LETTER BY R. CORMACK, ENV. FIELD ENGINEER, DATED AUG 20, 1985, 1":300' MAX WILL BE USED RATHER THAN 1":40' AND SOIL BORING DATA IS NOT REQUIRED.

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DATE

BY

NO.

PROJECT

DATE

BY

