

Chapter 1: Solid Waste Collection, Disposal, and Recycling

1. Purpose

This chapter sets forth the procedures that will be followed for the following:

- a. The collection and disposal of solid waste at Fort Greely, Alaska (FGA) to comply with the terms and conditions of the solid waste disposal permit issued by the Alaska Department of Environmental Conservation
- b. Operation of the solid waste burn pit and disposal of ash
- c. Recycling

2. Scope

This procedure governs those aspects of solid waste collection and disposal, governed by ADEC Permit #'s SW2A008-13 and SWZA055-14 and subsequent modifications. The procedure also covers non-regulated activities including recycling, composting and operation of the clean concrete disposal area.

Except as noted in Section 3.e below, this procedure does not apply to Doyon Utilities, LLC

Except as noted in Section 3.f below, this procedure does not apply to North Haven Communities.

3. Responsibilities

- a. Garrison Commander

The Garrison Commander is the responsible official for environmental compliance at Fort Greely and provides overall policy and guidance associated with environmental compliance. The Commander will consult regularly with FGAENV to ensure that the installation's environmental policies and procedures are consistent with federal, state and Army requirements and are properly implemented. The Commander will consult regularly with all installation tenant organizations and departments and facilitate resolution of conflicts regarding environmental matters that cannot be resolved at lower levels.

- b. FGA Directorate of Public Works (DPW)

- (1) DPW Director

The DPW Director manages all DPW activities at FGA.

(2) DPW Operations

The DPW Operations unit performs waste collection and disposal operations at Fort Greely, including:

- i. Staging and servicing solid waste and recycling dumpsters (collection)
- ii. Operation and monitoring of the MSW, asbestos and construction and demolition (C&D) wastes landfills, clean concrete disposal area, and burn pit
- iii. Developing and maintaining records on waste disposal and burn pit operations
- iv. Complying with the provisions of ADEC's solid waste disposal permits as they relate to DPW Operations' activities

(3) DPW Environmental Division (FGAENV)

FGAENV will oversee recycling, solid waste collection and disposal operations for environmental compliance. FGAENV will submit all required reports and documents to regulatory agencies and serve as FGA's primary point of contact on environmental compliance. FGAENV will advise DPW, tenants, contractors and others of environmental requirements, provide assistance in achieving and maintaining compliance, and implement and document all training requirements. In the event of non-compliant activities, FGAENV will seek resolution. As the Garrison Commander's environmental representative, the FGAENV will be the point of contact for interface with federal, state, and local environmental regulatory agencies on all environmental compliance matters associated with Garrison and tenant activities.

c. Missile Defense Complex (MDC)

The Missile Defense Agency and 49th Space Battalion manage operations and activities at the MDC. They will ensure that all contractors and personnel providing services or conducting operations at the MDC comply with this procedure and any related federal and state environmental requirements. They will promptly consult with FGAENV and/or the Garrison Commander, regarding any special considerations (e.g., security) or other issues that may affect environmental compliance at the MDC.

d. Tenants, Contractors, FGA Waste Generators

Tenants, contractors and FGA waste generators are responsible to comply with the applicable provisions of this procedure. Tenants are responsible to ensure that their contractors comply with the relevant provisions of this procedure and take all prudent measures to minimize waste generation and maximize material reuse and recycling.

Tenants and contractors must obtain an authorization from FGAENV prior to disposing of C&D waste or RACM waste. As appropriate, FGAENV will issue a card authorizing use of the C&D disposal area or RACM disposal cell to persons for waste generated on Fort Greely.

e. Doyon Utilities, LLC (DU)

DU may utilize FGA waste disposal facilities for MSW, C&D, asbestos and clean concrete. Additionally, DU is strongly encouraged to participate in FGA's recycling and waste diversion programs. For purposes of this procedure, DU is subject to the same requirements and limitations as other tenants or contractors when FGA waste collection or disposal services are utilized.

In its discretion, DU may elect to transport waste covered by this procedure and generated by the activities of DU and its contractors off of FGA for processing and disposal. All waste collection, storage, and transfer facilities shall be located on property controlled by DU and be solely operated and maintained by DU or its contractors.

f. North Haven Communities (NHC)

NHC may utilize FGA waste disposal facilities for C&D, asbestos and clean concrete. Additionally, NHC is strongly encouraged to participate in FGA's recycling and waste diversion programs. For purposes of this procedure, NHC is subject to the same requirements and limitations as other tenants or contractors when FGA waste collection or disposal services are utilized.

NHC will transport MSW generated by the activities of NHC and property controlled by NHC and its contractors off of FGA for processing and disposal. All waste collection, storage, and transfer facilities shall be located on property controlled by NHC and be solely operated and maintained by NHC or its contractors.

4. Operations

a. Waste Separation, Collection and Delivery - Mixed Waste, Recyclables

- (1) DPW Operations will locate dumpsters/containers for mixed waste and recyclable materials at or near the points of waste generation. Dumpsters or suitable containers will be provided for: mixed waste, recyclable paper, cardboard, recyclable plastics, tin/steel cans, glass bottles/jars and aluminum cans. Labeling of dumpsters/containers will be clear and visible.
- (2) Tenants, installation activities, contractors, residents and other waste generators on FGA will ensure that only allowable waste/material types are placed in

dumpsters/containers. Any questions regarding the suitability of a waste/material for placement in a dumpster or container shall be directed to the FGAENV.

(i) Materials going to recycling dumpsters/containers must be segregated and are limited to:

- A. Recyclable paper products
- B. Cardboard
- C. Empty aluminum cans
- D. Recyclable plastics No. 1-7
- E. Glass bottles/jars
- F. Tin/Steel cans (lightly rinsed)

(ii) Mixed waste dumpsters may receive general household waste and trash. All putrescible wastes (food wastes) must be placed in plastic liners and securely tied or sealed to prevent spillage. The filled liners will be placed in the dumpsters with sufficient care to avoid damage to the bag and subsequent leakage. They may not receive:

- A. Hazardous or toxic waste
- B. Liquid waste (minimal residuals in empty containers is acceptable)
- C. Oily rags, used sorbent materials
- D. Appliances, computer components, e-waste
- E. Batteries, thermostats, florescent, mercury or sodium vapor light bulbs
- F. Asbestos containing materials
- G. Aerosol cans
- H. Any PCB containing materials
- I. Pesticide containers
- J. Medical Waste
- K. Asbestos containing waste (RACM or non-RACM)
- L. Tires (best management practice – divert tires to POL Landfarm for reuse)

(iii) FGAENV and the Hazardous Waste Management Contractor (HWMC) will pickup prohibited items listed above as required. Waste generators should contact FGAENV or the HWMC to arrange for pickup.

(iv) All offices and residents are encouraged to place receptacles for the types of recyclable materials generated in their offices or residences and empty them into the appropriate dumpsters when needed. For those facilities receiving custodial services, custodial workers will periodically empty the recycling receptacles.

(3) DPW Operations will maintain a regular schedule for dumpster/container servicing. Non-routine dumpster servicing must be pre-arranged with DPW Operations. The pickup frequency will be sufficient to prevent vector, odor and aesthetic problems. If such a condition occurs, the frequency of service will be adjusted to correct the problem. Dumpster cleaning will be performed in areas approved by FGAENV and done in a manner that eliminates any potential discharge or creation of nuisance conditions. Drain plugs shall not be removed from dumpsters except when they are cleaned.

b. Waste Separation, Collection and Delivery - C&D Debris

(1) Tenants, installation activities, contractors and other activities generating construction and demolition debris for direct delivery to the landfill area are responsible for arranging with DPW Operations for delivery of the waste to the C&D disposal areas. All persons delivering C&D waste to the C&D disposal areas must have a valid authorization to do so. Authorizations are issued by FGAENV. C&D debris is an "inert waste" that has a low potential to pollute air or water, and that does not normally attract wildlife; "inert waste" includes sheet rock, lumber, brick, concrete, metal scraps, construction and demolition waste, and pavement rubble; "inert waste" does not include asphalt material that contains asbestos;

(2) All tenants, installation activities, contractors and other activities are responsible for ensuring that ONLY C&D debris is present in loads destined for the C&D disposal area. C&D debris shall not contain:

- (i) Hazardous or toxic waste
- (ii) Liquid waste (minimal residuals in empty containers is acceptable)
- (iii) Oily rags, used sorbent materials
- (iv) Batteries, thermostats, florescent, mercury or sodium vapor light bulbs
- (v) Aerosol cans
- (vi) Any PCB containing materials
- (vii) Pesticide containers
- (viii) Medical waste
- (ix) Food containers and waste
- (x) Excessive packaging material (cardboard, plastics, paper)

- (xi) Putrescible waste
 - (xii) General office waste (mixed paper, etc)
 - (xiii) RACM
 - (xiv) Tires (best management practice for reuse)
 - (xv) Recyclable materials as listed in section 4 (i).
- (3) Tenants, installation activities, contractors and other activities generating C&D debris must take measures to reduce the quantity of C&D waste by: reusing and recycling materials; FGA QRP to stockpile the salvage materials (example: scrap wood or metal).
- (4) All C&D waste loads must be weighed prior to delivery to the C&D disposal area and no load may be delivered to the C&D disposal area except in the presence of the DPW Operations operator for the area.
- (5) The DPW Operations operator for the C&D disposal area may reject a load for delivery if:
- (i) The load does not meet the criteria in Subsection 2 above; or
 - (ii) The person delivering the load does not possess a valid authorization to deliver waste to the disposal area (re: Subsection (1) above).

c. Waste Separation, Collection and Delivery - Other Waste

- (1) Tenants, installation activities, contractors and other activities generating asbestos containing waste, or other waste for delivery to the landfill area are responsible for arranging with DPW Operations for delivery of the waste to the landfill. Any person making a delivery of waste must have an authorization issued by FGAENV.
- (2) Regulated Asbestos Containing Materials (RACM)

RACM must be bagged or wrapped prior to disposal. RACM must be wetted and double-bagged or wrapped with leak proof material prior to disposal. Plastic bags or wrapping at least 6 mil or thicker is required. Bagged or wrapped RACM must be labeled "*Contains Asbestos: Avoid Opening or Breaking. Breathing Asbestos is Hazardous to Your Health.*" RACM includes friable asbestos and other ACM that may become friable. No RACM will be accepted for disposal at the MSW landfill

unless the delivery is accompanied by an Asbestos Waste Removal and Shipment Report (Attachment 1)

(3) Dried Sewage Sludge

Dried sludge that has undergone the TCLP and Paint Filter Liquids tests and determined to be suitable for disposal at the landfill and undergone at least one freeze-thaw cycle (refer to Chapter 4: Wastewater Treatment Procedure for sampling and analysis of sewage sludge) may be disposed of as MSW. FGAENV must authorize the disposal of dried sewage sludge at the MSW landfill.

(4) e-Waste

e-Waste (computers, printers, faxes, etc.) should be recycled whenever possible. To the maximum extent possible, all government-generated e-waste will be reutilized via DRMO and DLA. Contractors are encouraged to recycle all e-waste and not dispose of e-waste on Fort Greely.

d. Burn Pit Operations

Note: The burn pit will operate at the discretion of the DPW. At any time the DPW may direct to cease use of the burn pit, or limit its use to the combustion of classified documents only.

- (1) DPW Operations is responsible for operating the burn pit. They will prohibit unaccompanied access, prevent scavenging, minimize/eliminate access by animals and pests, and minimize/eliminate wind-blown trash or ash.
- (2) DPW Operations will remove all waste other than paper and clean wood prior to initiating a burn.
- (3) DPW Operations will ensure that during a burn the waste is thoroughly combusted and not allowed to smolder.
- (4) DPW Operations will ensure that ash is thoroughly cooled and, as necessary, wetted to insure that no embers or hot spots exist prior to removal from the burn pit.
- (5) DPW Operations will ensure that no more than 9.5 tons of waste is combusted per day and that no more than 2,100 tons of waste is combusted per twelve-month rolling period.

e. FGA Municipal Solid Waste (MSW) Landfill Area Operations

(1) DPW Operations will operate the MSW landfill and prohibit unaccompanied access. The landfill will be fenced and include signage restricting access. The signage will include:

- (i) Facility Operator Identification
- (ii) Operator/Owner Name
- (iii) Facility Type and Use
- (iv) Emergency Phone Numbers
- (v) Prohibited wastes

(2) DPW Operations will maintain and operate the MSW landfill area to minimize/eliminate: fugitive dust and wind-blown trash; scavenging; and access by animals or pests.

(3) DPW Operations will ensure that only the following wastes are disposed of at the landfill:

- i. Municipal Solid Waste (MSW): Waste from mixed waste dumpsters and other general solid waste consisting of plastics, paper, garbage, glass, ceramics, metal, rubber, household waste, non-hazardous commercial solid wastes (re: Paragraph 4.a(2)(b)). MSW will be placed in MSW cells, compacted and covered with at least six inches of cover material on the day of placement.
- ii. Burn Pit Ash: Burn pit ash that is non-hazardous.
- iii. Dried Sewage Sludge: Only sewage sludge that has been approved for disposal by FGAENV will be disposed of as MSW.
- iv. Regulated Asbestos Containing Materials (RACM): RACM will be placed in dedicated asbestos cells and covered with at least six inches of cover material on the day of placement. The DPW Operations landfill operator will provide FGAENV with copies of ACM shipment reports on a monthly basis. The shipment reports will be annotated to indicate where in the cell the RACM waste was placed. The dedicated asbestos cell must be clearly delineated with signage identifying the area and the hazards (i.e, "Danger: Asbestos Disposal Area, Do Not Disturb"). FGAENV will maintain a diagram of the ACM cell(s) depicting the location, amount and dates of ACM waste placement.

If RACM waste cannot be placed in a dedicated cell and adequately covered

due to severe weather conditions, the RACM waste may be temporarily stored in a secured dumpster or other closed container until disposal in a dedicated cell is feasible. The RACM container must be labeled indicating its contents and located in a secure area with restricted access. DPW Operations will ensure that any temporarily stored RACM waste is disposed of in a dedicated asbestos cell as soon as weather conditions permit.

- v. Lead-Based Paint Debris: Debris (i.e., greater than 60mm (2.4 inches) in its largest dimension) such as window frames, doors, molding, etc. that has been coated with lead-based paint. Prior to disposing of any lead-based paint debris in the landfill, the FGAENV must be contacted to determine if the material can be disposed of at FGA. Only lead-based paint debris that originated from a "residential" facility may be disposed of in the MSW or C&D disposal areas.

f. Construction and Demolition Debris Disposal Areas

- (1) DPW Operations will operate the C&D disposal areas and prohibit unaccompanied access. The areas will be delineated and include signage restricting access and acceptable waste deliveries. The signage will specify that only inert demolition and construction debris consisting of concrete, bricks, steel, treated lumber, roofing, plaster, non-RACM etc. will be accepted at the C&D disposal areas.
- (2) DPW Operations will maintain and operate the disposal areas to minimize/eliminate fugitive dust and wind-blown trash; scavenging; and access by animals or pests.
- (3) DPW Operations will ensure that adequate cover material is applied to prevent windblown trash. Additionally, waste deposits that include non-RACM must be covered with at least 6 inches of cover material on the day of deposit.
- (4) Prior to disposing of any lead-based paint debris in the disposal areas, DPW Operations will contact FGAENV to determine if the material can be disposed of in the C&D disposal area.
- (5) No "White Goods" (e.g., appliances, stoves, refrigerators, etc.) will be accepted for disposal, unless approved by FGAENV. Among other things FGAENV will ensure that all lubricants, refrigerants and hazardous/toxic components have been removed and properly disposed of or recycled prior to granting approval.

g. Clean Concrete Disposal Area

- (1) DPW Operations will operate the concrete disposal area and prohibit unaccompanied access. The area will be delineated and include signage restricting access and

acceptable waste deliveries. The signage will specify that only clean, unpainted/coated concrete waste with minimal re-bar will be accepted.

- (2) DPW Operations will maintain and operate the disposal area to minimize/eliminate fugitive dust.

h. Recycling Operations

(1) Paper, Plastics, Aluminum Cans, Glass Bottles/Jars, Tin/Steel Cans and Cardboard

- i. DPW Operations will deliver the dumpsters/containers for all recyclables to the recycling facility area designated by FGAENV.
- ii. DPW Operations is the recycling facility operator and will maintain the area and keep it free of blowing debris and accumulated waste.
- iii. DPW Operations will periodically operate the baler to bale paper, plastics, cardboard and tin/aluminum cans. The accumulated bales will be stored until such time as they are transported for sale.
- iv. From time-to-time DPW Operations may dispose of dumpsters containing recyclable paper, recyclable plastics and cardboard as municipal solid waste. This may occur when the dumpster contains excessive amounts of non recyclables.

(2) Composting

- i. In consultation with FGAENV, DPW Operations will deliver food wastes (except meat and dairy waste) and shredded paper to the composting area in building 643.
- ii. The food waste will be mixed with shredded paper waste in a ratio determined by FGAENV
- iii. DPW Operations will be responsible for operating the composting process. FGAENV will provide instructions on the operation of the composting vessel.
- iv. FGAENV will monitor the composting operation and determine when the composting process is sufficiently completed to enable reuse of the composted material as a soil enhancer or mulch.

5. Surveillance

a. Waste Collection

- (1) DPW Operations personnel will spot check dumpsters/containers prior to emptying them. Unacceptable items will be removed and disposed of properly.
- (2) If DPW Operations personnel determine that a particular tenant, contractor or installation activity consistently places inappropriate waste in dumpsters, FGAENV will be notified.

b. Burn Pit

- (1) DPW Operations will record the amounts of waste combusted in the burn pit and provide FGAENV with the data on a monthly basis. FGAENV will tabulate the data using the form provided in Attachment 2.
- (2) DPW Operations personnel operating the burn pit will inspect the burn pit contents prior to each burn and record the inspection on the form provided in Attachment 3. Inappropriate items will be removed for proper disposal prior to the burn. Copies of the inspection reports will be provided to FGAENV on a monthly basis.
- (3) FGAENV will conduct monthly inspections of the burn pit and record the inspection on the form provided in Attachment 6. Copies of the inspection reports will be provided to DPW Operations.
- (4) FGAENV will perform periodic TLCP tests on burn pit ash to characterize the ash as hazardous or non-hazardous. If ash is determined to be hazardous, FGAENV and DPW Operations will determine the hazardous constituents in the ash and seek to eliminate the source. Once a determination is made that ash is hazardous, ash from each subsequent burn event will be tested and no ash will be disposed of at the landfill until the ash is determined to be non-hazardous. No hazardous ash will be disposed of at Fort Greely.

c. MSW and RACM/ACM

- (1) Tenants, installation activities, contractors or other activities may not make independent deliveries of MSW to the FGA landfill for disposal. Deliveries of RACM or ACM waste must be accompanied with an Asbestos Waste - Removal and Shipment Report (Attachment 1).
- (2) DPW Operations will record the amounts of MSW placed in the landfill and provide FGAENV with the data on a monthly basis. FGAENV will tabulate the data using the form provided in Attachment 2.
- (3) DPW Operations personnel operating the MSW landfill will conduct weekly random load inspections on waste received at the landfill and record the inspections on the form provided in Attachment 4. Inspections will be representative of the waste types

received at the landfill. DPW Operations will remove waste not suitable for disposal at the landfill prior to disposal and DPW Operations will notify FGAENV if hazardous waste, used oil, toxic waste, liquid waste, contaminated soil, or other non-allowable waste is detected. DPW Operations will also advise FGAENV of the suspected source of the materials. Copies of the inspection reports will be provided to FGAENV on a monthly basis.

- (4) DPW Operations personnel operating the landfill will conduct load inspections of all deliveries to the RACM cell and record the inspections on the form provided in Attachment 5. Copies of the inspection reports will be provided to FGAENV on a monthly basis.
- (5) FGAENV will conduct monthly inspections of the landfill and record the inspection on the form provided in Attachment 6. Copies of the inspection reports will be provided to DPW Operations.
- (6) DPW Operations will notify FGAENV prior to disposing of dried sewage sludge. FGAENV will insure that DU has performed a TLCP and Paint Filter test on the sludge and advise DPW Operations if the sludge can be disposed of at the landfill after consultation with the ADEC.
- (7) FGAENV will perform and record quarterly methane monitoring at the locations identified in Attachment 8

d. C&D Disposal Areas

- (1) Tenants, installation activities; contractors or other activities delivering waste to the C&D disposal areas will weigh (or estimate the weight if the scale is unavailable) and provide the weight to the DPW Operations operator prior to disposal. DPW Operations personnel must be present at the C&D disposal area when waste is deposited.
- (2) DPW Operations will record the amounts of waste placed in each C&D disposal area and provide FGAENV with the data on a monthly basis. FGAENV will tabulate the data using the form provided in Attachment 2.
- (3) DPW Operations personnel operating the C&D disposal areas will conduct weekly random load inspections on waste received at the area and record the inspections of representative loads on the form provided in Attachment 8. Each C&D disposal area will be separately inspected and documented. DPW Operations will reject loads that contain unacceptable amounts of inappropriate waste (Re: Section 4(b)(2)) and notify FGAENV of the source of the load and the reasons for rejection. Copies of the inspection reports will be provided to FGAENV on a monthly basis.

(4) FGAENV will conduct monthly inspections of each C&D disposal area and record the inspection on the form provided in Attachment 6. Copies of the inspection reports will be provided to DPW Operations.

e. Clean Concrete Disposal Area

(1) DPW Operations personnel operating the disposal area will conduct load inspections on waste received at the area. Inspections will be representative of the waste types received. DPW Operations will reject loads that contain unacceptable amounts of inappropriate waste and notify FGAENV of the source of the load and the reasons for rejection.

(2) FGAENV will conduct monthly inspections of the disposal area. FGAENV will advise DPW Operations of any noted deficiencies.

6. Record Keeping

a. FGAENV

FGAENV will maintain an operating record for the MSW landfill, burn pit, and C&D disposal area. The record will include, at a minimum:

- (1) A copy of the ADEC permit applications and permits and all related correspondence.
- (2) A site plan for the landfill, C&D disposal areas and annual updates to the plan.
- (3) TLCP test results for burn pit ash.
- (4) TLCP and Paint Filter test for dried sewage sludge.
- (5) Records of waste deliveries to landfill and C&D disposal areas.
- (6) Records of the types and amounts of materials recycled
- (7) Records of waste deliveries to burn pit.
- (8) Records of ACM deliveries to MSW landfill.
- (9) Random load inspection reports.
- (10) Weekly landfill and disposal area inspection reports.
- (11) Burn pit inspection reports.

- (12) Monthly landfill and disposal area inspection reports.
- (13) Methane monitoring results.
- (14) Training records.

7. Reporting

a. DPW Operations

DPW Operations will make notification and submit the reports identified in this procedure to FGAENV in a timely manner. Additionally, DPW Operations will:

- (1) Immediately report any fires at the MSW landfill or C&D disposal area to the FGA Fire Department and FGAENV.
- (2) Report any spills at the MSW landfill, disposal areas or burn pit area in accordance with the FGA Spill Reporting Procedure (Chapter 5 of the Ft. Greely Environmental Procedures Manual).
- (3) Immediately notify FGAENV if any RACM waste is delivered to the landfill that is not properly bagged and labeled.
- (4) In general, report any discrepancies with the ADEC permits or this procedure to FGAENV.

b. FGAENV

FGAENV will make all required notifications and reports to ADEC, including:

- (1) Annually updated site plans and photographs, including asbestos cell(s) diagram
- (2) Fires at the landfill
- (3) Test results for dried sewage sludge and burn pit ash analysis
- (4) Improper packaging of RACM

8. Training

a. Landfill and Burn Pit Operators

- (1) Mandatory

All landfill operators must receive training meeting the OSHA Hazard Communication training standard (HAZCOM) or equivalent training that enables them to identify hazardous waste and other prohibited waste.

(2) Desirable

- i. The landfill operations supervisor should have a current certification as a landfill operator or manager from the Solid Waste Association of North America, or an equivalent certification approved by ADEC.

9. References

- a. ADEC Permit Nos. SW2A008-13 and SWZA055-14
- b. ADEC Air Quality Permit Nos. 1077MSS01, 0238MSS01 (Air Quality Construction Permits) and 238TVP02 (Air Quality Operating/Construction)
- c. 18 AAC Chapter 60
- d. 18 AAC Chapter 50

10. Approval

This procedure (Chapter 1 – Solid Waste Collection and Disposal Procedure) is hereby approved. All previous versions of this procedure are superseded and are longer in effect.



Christine Boerst
Director of Public Works



Date

U.S. Army Garrison Fort Greely - Asbestos Waste Shipment Record

GENERATOR

Work Site: _____

Type of Waste: RACM Friable Non-RACM

Describe Nature of Waste: _____

Number and Types of Containers: _____

Total Quantity: CY LBS

Special Handling Instructions: _____

Generator Certification:

I hereby certify that the contents of this shipment are fully and accurately described above and the waste asbestos materials have been properly classified, containerized, marked and labeled in accordance with applicable federal and state regulations. I further certify that the asbestos containing waste was removed and handled in accordance with applicable federal and state environmental and worker safety requirements.

Company Name/Unit: _____ Date: _____

Printed Name/Title: _____ Signature: _____

TRANSPORTER TO INTERIM STORAGE (if applicable)

I acknowledge receipt of the above-described asbestos containing waste for transportation to Fort Greely's asbestos containing waste interim holding area at the Hazardous Waste Storage Facility.

Company Name/Unit: _____ Date: _____

Printed Name/Title: _____ Signature: _____

RECEIPT AT INTERIM STORAGE FACILITY (if applicable)

I acknowledge receipt of the above-described asbestos containing waste for interim storage. I further certify that the asbestos containing waste will be securely stored and access to the waste will be restricted.

Company Name/Unit: _____ Date: _____

Printed Name/Title: _____ Signature: _____

TRANSPORTER TO DISPOSAL SITE

I acknowledge receipt of the above-described asbestos containing waste for transportation to Fort Greely's regulated asbestos containing material disposal cell at the municipal solid waste landfill facility.

Company Name/Unit: _____ Date: _____

Printed Name/Title: _____ Signature: _____

DISPOSAL SITE

I acknowledge receipt of the above-described asbestos containing waste for disposal at Fort Greely's regulated asbestos containing material disposal cell located at the municipal solid waste landfill facility, except as may be noted below.

Company Name/Unit: _____ Date: _____

Printed Name/Title: _____ Signature: _____

Exceptions/Notations: _____

Monthly Solid Waste Data

Monthly Solid Waste Data (daily amounts in pounds unless otherwise stated, totals in tons)																
Month:	OCTOBER							Year:	2012							
Day	M SW							Asbestos		C&D/Concrete/Asphalt						
	Wood to pit/Area for recycling	Burnpit/ash to landfill	Mixed M SW to landfill	Sewage sludge to landfill	Paper/Cardboard to recycling	Plastics to recycling	Aluminum to recycling	Food waste/paper to composting	M SW Collected	M SW Diverted to Recycling/Compost	Total M SW Landfill Deliveries	Asbestos to landfill - cy	Asbestos to landfill (lb/cy) - estimate	C&D to Landfill (tons)	C&D to DPW Borrow Pit (tons)	Concrete to disposal area (tons)
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2																
3																
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**U.S. Army Garrison Fort Greely
Burn Pit Inspection**

The burn pit operator will conduct pre-burn inspections of the facility and the immediate area around the facility when the facility is in operation. Copies of this inspection report will be provided to FGAENV on a monthly basis.

<u>Item</u>	<u>BURN PIT CONTENTS</u> <u>Present</u>	<u>Remark</u>
Unclassified Recyclables (cardboard, paper, etc)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Hazardous Waste/Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Food waste	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Plastics	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PCB Materials (e.g., light ballast)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Liquid Wastes	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Batteries	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Fluorescent Bulbs	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Tires	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Aerosol Cans	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Oily Rags, Used Sorbent Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Appliances, Computer Components	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pesticide Containers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Asbestos Containing Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PVC Pipe/Fixtures	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Shingles/Asphalt Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Non-Combustible Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	
 Suspected Origin of Any Inappropriate Materials:		
 Disposition of Any Inappropriate Materials:		

Inspector Name: _____ Company/Unit: _____

Signature: _____ Date: _____

**U.S. Army Garrison Fort Greely
Municipal Solid Waste Landfill - Weekly Random Load Inspection**

The MSW landfill operator will conduct no less than weekly inspections of the facility and the immediate area around the facility. Copies of this inspection report will be provided to FGAENV on a monthly basis.

MSW CELL DELIVERIES

<u>Item</u>	<u>Present</u>	<u>Remark</u>
Hazardous Waste/Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PCB Materials (e.g., light ballast)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Liquid Wastes	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Batteries	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Fluorescent Bulbs	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Tires	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Aerosol Cans	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Oily Rags, Used Sorbent Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Appliances, Computer Components	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pesticide Containers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Asbestos Containing Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Shingles/Asphalt Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Suspected Origin of Any Inappropriate Materials:

Disposition of Any Inappropriate Materials:

Inspector Name: _____ **Company/Unit:** _____

Signature: _____ **Date:** _____

**U.S. Army Garrison Fort Greely
Municipal Solid Waste Landfill – RACM Cell Load Inspection**

Is there an Asbestos Waste Removal and Shipment Report for the delivery (attach copy)? Yes No

Waste deliveries

Is the waste bagged and labeled? Yes No
Are the containers or bags in good condition? Yes No

Other: (provide any additional observations)

Inspector Name: _____ **Company/Unit:** _____

Signature: _____ **Date:** _____

FORT GREELY MONTHLY LANDFILL COMPLEX INSPECTION CHECKLIST

(PAGE 1 OF 3)

Date:	Weather Conditions:
Inspector:	
_____	_____
Name	Signature

GENERAL OBSERVATIONS: (include any observations of the overall area such as fugitive dust, presence of wildlife, unauthorized vehicles or personnel, fires, etc.)

C&D DISPOSAL AREA (LANDFILL <input type="checkbox"/> BORROW PIT <input #cccccc;"="" background-color:="" type="checkbox/>)</th> </tr> <tr style="/> <th style="width: 30%;">Standard</th> <th style="width: 10%;">Possible Score</th> <th style="width: 10%;">Score</th> <th style="width: 50%;">Comments</th>				Standard	Possible Score	Score	Comments
Signage: signs restricting access and listing acceptable wastes clearly visible.	10						
Access: gate closed and locked when area not in use	15						
Waste Present: only inert C&D waste.	25						
Litter: no windblown litter	15						
Cover: non-RACM covered.	10						
White Goods: free of refrigerants, lubricants, hazardous/toxic components with supporting documents	15						
Erosion/drainage: runoff controls in place (as appropriate), no ponding or erosion of working faces.	10						
TOTALS	100						
CONCRETE DISPOSAL AREA							
Standard	Possible Score	Score	Comments				
Only concrete/mortar/brick waste	70						
Minimal re-bar	30						
TOTALS	100						

FORT GREELY MONTHLY LANDFILL COMPLEX INSPECTION CHECKLIST
(PAGE 2 OF 3)

POL SOIL STOCKPILE			
Standard	Possible Score	Score	Comments
Signage: restricting access, only POL or antifreeze contaminated soil	15		
Waste present: only POL/antifreeze soil	20		
Standing water: minimal, no overtopping	20		
Berms: good condition	15		
Liner: intact	15		
Waste covered with plastic or watershedding material	15		
TOTALS	100		
RACM CELL			
Standard	Possible Score	Score	Comments
Signage: warning signs on perimeter of cell	25		
Waste Present: wrapped and labeled RACM only	25		
Cover: Covered on day of deposition	25		
Records: current diagram showing location of deposits "manifests" for each shipment to cell.	25		
TOTALS	100		
MSW DISPOSAL			
Standard	Possible Score	Score	Comments
Signage: signs restricting access and listing acceptable wastes clearly visible	5		
Fencing/Access Control: perimeter fence in good condition – no holes or breaks, gate closed and locked when area not in use	10		
Litter: no windblown trash within fenceline or perimeter.	15		
Waste Present: only MSW, no liquids	15		
Standing Water: no contact with MSW, ponded water pumped out as soon as practical after rain/snowmelt events.	10		
Cover: minimum of 6 inches at end of working day.	15		
Access Roads: passable, dust control measures in place	5		
Drainage: perimeter swales in good condition	5		
Nuisance Control: no wildlife inside fence, no nuisance odors	10		
Erosion: working face and slide slopes – no excessive erosion. No exposed waste.	10		
TOTALS	100		

FORT GREELY MONTHLY LANDFILL COMPLEX INSPECTION CHECKLIST
(PAGE 3 OF 3)

CLOSED UNITS			
Standard	Possible Score	Score	Comments
Final Cover: Intact – no erosion, slumps	20		
Vegetative Cover: vegetation well established with no significant bare spots	15		
Final Grade: grade maintained with no gullies or slumps	15		
Drainage: runoff – runoff controls in place, no significant ponding	15		
Access: perimeter fences intact, gates locked	15		
Signage: area identified for no access, markers for asbestos and human waste cells in place.	20		
TOTALS	100		

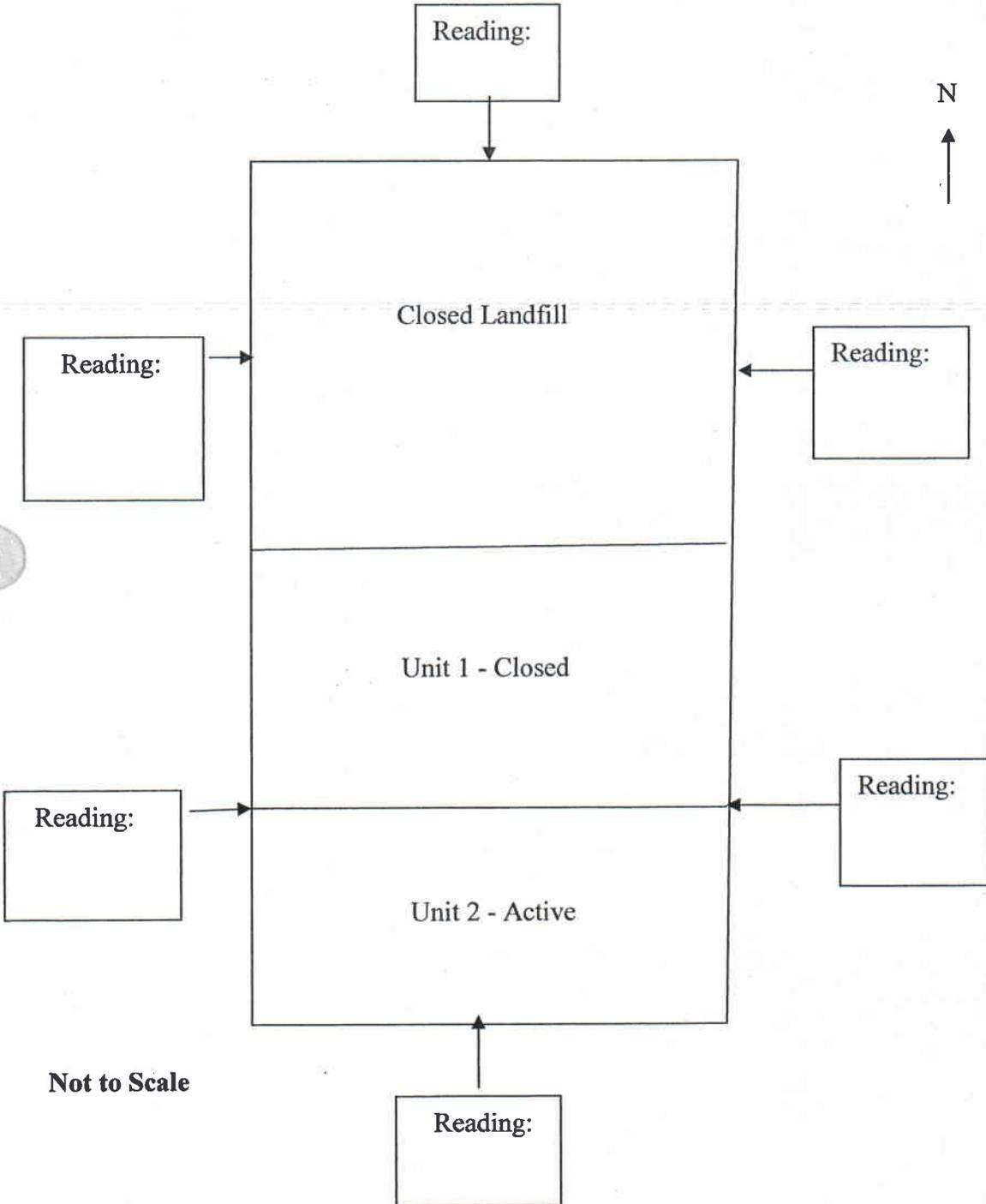
Burn Pit Inspection			
Standard	Possible Score	Score	Comments
Signage: Sign posted to contact DPW Operations prior to burning	20		
Waste Present: All waste combusted; no remaining or restricted waste present	40		
Ash: Acceptable amount of ash present; not in need of transfer to landfill	20		
Overall condition of burn pit: fencing, gate and surrounding area	20		
TOTALS	100		

METHANE GAS MONITORING REPORT

Name: _____ Date: _____

Barometric Pressure: _____ Temperature: _____

Wind Speed: _____ Direction: _____



Not to Scale

U.S. Army Garrison Fort Greely

Construction and Demolition Debris Disposal Area and Random Load Weekly Inspection

The C&D disposal area operator will conduct no less than weekly inspections of the facility and the immediate area around the facility. Copies of this inspection report will be provided to FGAENV on a monthly basis.

LANDFILL **BORROW PIT**

<u>Item</u>	<u>RANDOM LOAD Present</u>	<u>Remark</u>
Hazardous Waste/Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PCB Materials (e.g., light ballast)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Liquid Wastes	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Batteries	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Fluorescent Bulbs	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Tires	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Aerosol Cans	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Oily Rags, Used Sorbent Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Appliances, Computer Components	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pesticide Containers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Asbestos Containing Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Putrescible Waste	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Household Waste	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Cardboard/Paper	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Suspected Origin of Any Inappropriate Materials:

Disposition of Any Inappropriate Materials:

Inspector Name: _____ **Company/Unit:** _____

Signature: _____ **Date:** _____

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