

# WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

## SOLID AND HAZARDOUS WASTE DIVISION

### SOLID WASTE GUIDELINE #6

#### ASBESTOS DISPOSAL APPLICATION

##### Introduction

This guideline contains an example plan which can be used as a guide to apply for asbestos disposal at a Wyoming permitted solid waste management facility. This example plan is intended primarily for use by new and existing facilities, such as municipal sanitary landfills, who wish to obtain authorization to receive asbestos wastes for disposal.

Chapter 8 of the Solid Waste Rules and Regulations describes the standards for locating, constructing, operating, and closing asbestos waste disposal facilities. This example plan is intended to assist landfill operators in developing a plan to comply with the Chapter 8 asbestos requirements.

This guideline applies to facilities seeking authorization to accept friable asbestos wastes. A specific asbestos disposal plan is not required for nonfriable asbestos wastes. Solid Waste Guideline #5 identifies what wastes are considered friable and nonfriable.

Operators should note that use of this example plan is not required as a condition to obtain approval under Chapter 8 to receive asbestos wastes. Any plan containing the information required in Chapter 8, and demonstrating that the facility will be located, constructed, operated and closed in compliance with the standards in Chapter 8 will be acceptable in meeting the regulatory requirements. This example plan is being provided as guidance to operators to illustrate one way that an acceptable plan can be developed.

An asbestos disposal plan amendment, if submitted by an operator, will be treated by the Department as a major amendment which requires notice and opportunity for public comment prior to receiving approval. The Department is provided forty five (45) days to review any permit amendment.

Operators who wish to use the example plan attached to this guideline can do so by examining the plan, adding information that is specific to the facility, and modifying the plan as appropriate to fit site-specific circumstances or situations. Once completed, the modified example plan can be submitted as a proposed amendment to the facility permit application. In the example plan, **bold-faced type** is used for instructions and comments written by Department personnel to help clarify the plan. Note, there are two versions of section 1.0, one for new facilities and one for existing facilities. (New and existing facilities are defined in the definitions section of Chapter 1.)

Operators should note that Chapter 8, Section 4(d), provides that existing permitted solid waste disposal facilities can continue to receive asbestos wastes if they submit an asbestos disposal plan demonstrating compliance with the Chapter 8 requirements, by June 30, 1990. **Failure to submit a new asbestos disposal plan by June 30, 1990, means that the facility is no longer authorized to receive asbestos wastes.**

Operators should also note that Chapter 8, Section 4(e), provides conditions under which any permitted disposal facility can receive small quantities of asbestos wastes. The Department interprets this provision to allow any permitted disposal facility to accept unlabeled bags of asbestos from individual homeowners who bring that asbestos to the disposal facility.

## Further Information

Please be advised the above procedures for preparing an asbestos disposal plan are only recommendations from the Department. Other methods for addressing the asbestos disposal facility permitting requirements can be submitted to the Department for consideration and approval. Further information can be obtained from the following Solid and Hazardous Waste Division offices:

Casper	473-3450
Cheyenne	777-7752
Lander	332-6924

Signed,

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David A. Finley  
Administrator  
Solid and Hazardous Waste Division

January 30, 1991  
Date

## Attachment

Example Asbestos Disposal Plan

**1.0**      **Location for a New Facility**

**(For new facilities the following location requirements shall be included in this asbestos disposal application plan.)** The asbestos waste management area at the **(insert facility name)** complies with all location requirements specified in Chapter 2, Section 3. These location requirements are as follows:

1.1      This facility is located within **(insert number of feet)** of an airport runway used by piston-type aircraft, and within **(insert number of feet)** of an airport runway used by turbojet aircraft. **(If the facility is more than two miles from any airport runway the application can just state the distance in approximate miles).**

1.2      This facility is not in conflict with local zoning ordinances or land use plans that have been adopted by a county commission or municipality. **(Attach a letter from the appropriate county commission or municipality, confirming that the facility does not conflict with local ordinances or plans.)**

1.3      This facility is located within **(insert number of feet)** of the closest occupied dwelling house, **(insert number of feet)** of the closest school, **(insert number of feet)** of the closest hospital and **(insert number of feet)** of the closest building.

1.4      Distances to roads and parks:

1.4.1    This facility is located within **(insert number of feet)** of the nearest interstate or primary highway right-of-way. **(The application shall state if any location variances have been granted by the Environmental Quality Council.)**

1.4.2    This facility is located within **(insert number of feet)** of the closest public park or recreation area, **(if the facility does not meet the minimum 1,000 feet location requirement, this application shall state if the facility is screened from view by natural objects, plantings, fences or other appropriate means).**

1.5      This facility is located within **(insert the number of feet)** of the nearest drinking water source. **(State what the drinking water source is, such as a well or surface water intake.)**

1.6      Distance to other surface waters:

1.6.1    This facility is not located within 1,000 feet of any perennial lake or pond which is either naturally occurring, or which contains water used for any purpose not directly related to an industrial process.

1.6.2    This facility is not located within 300 feet of any industrial process water or storm water management pond.

1.6.3    This facility is not located within 300 feet of any perennial river or stream.

1.7      This facility is not located within the boundaries of a 100-year floodplain.

1.8      This facility is not located in wetlands.

1.9      This facility does not diminish the scenic, recreational and fish and wildlife values for any section of river designated for protection under the Wild and Scenic Rivers Act, 16 USC 1271 et seq., and implementing regulations.

1.10 This facility is not located in areas that would pose a threat to an irreplaceable historic or archeological site listed pursuant to the National Historic Preservation Act, 16 USC 470 et seq. and implementing regulations, or to a natural landmark designated by the National Park Service.

1.11 This facility is not located within a critical habitat of an endangered or threatened species listed pursuant to the Endangered Species Act, 16 USC 1531 et seq., and implementing regulations. This facility will not cause destruction or adverse modification of the critical habitat, and will not jeopardize the continued existence of endangered or threatened species or contribute to the taking of such species.

1.12 This facility is not located within critical winter ranges for big game or breeding grounds for grouse. **(If the facility is located in critical big game or grouse area breeding grounds the application shall state that the applicant first consulted with the Wyoming Game and Fish Department, to receive an opinion from the Wyoming Game and Fish as to whether or not development of the facility conflicts with the conservation of Wyoming's wildlife resources.)**

1.13 This facility is not located within 200 feet of a fault that has had displacement in Holocene time.

1.14 This facility is not located in an avalanche prone area.

1.15 After investigation by **(insert the name of the responsible party for your facility)**, it has been determined that solid waste disposal in this area will not have a detrimental effect on surface water or ground water quality, because **(insert reasons)**.

1.16 This facility is located within **(insert distance in feet or miles)** of the boundaries of the nearest incorporated city or town.

1.17 Additional 200 foot buffer zone: In addition to the Chapter 2 location requirements, the asbestos disposal area is surrounded by a 200 foot buffer zone where access of the public is restricted during the operation of the asbestos disposal area. **(This buffer zone may be part of the solid waste disposal facility, or may be a zone controlled by the facility operator outside the facility boundary where development and access is restricted by the facility operator. The application shall describe which of these two zone types is applicable to this facility and how public access to this buffer zone will be controlled.)**

#### **1.0 Location for an Existing facility**

**(For existing facilities the following location requirements shall be included in this asbestos disposal application plan.)** The asbestos waste management area at the **(insert facility name)** complies with all location requirements as specified in Chapter 8, Section 4(c)(viii).

1.1 This facility is not in conflict with local zoning ordinances or land use plans that have been adopted by a county commission or municipality. **(Attach a letter from the appropriate county commission or municipality, confirming that the facility does not conflict with local ordinances or plans.)**

1.2 This facility is located within **(insert number of feet)** of the closest occupied dwelling house, **(insert number of feet)** of the closest school, **(insert number of feet)** of the closest hospital and **(insert number of feet)** of the closest building.

1.3 Distances to roads and parks:

1.3.1 This facility is located within **(insert number of feet)** of the nearest interstate or primary highway right-of-way. **(The application shall state if any location variances have been granted by the Environmental Quality Council.)**

1.3.2 This facility is located within **(insert number of feet)** of the closest public park or recreation area, **(if the facility does not meet the minimum 1,000 feet location requirement, this application shall state if the facility is screened from view by natural objects, plantings, fences or other appropriate means).**

1.4 This facility is not located within the boundaries of a 100-year floodplain. **(The application shall include documentation such as a map and/or information from an agency such as the Federal Emergency Management Administration confirming that the facility is not located within the boundaries of a 100-year floodplain.)**

1.5 This facility is not located within 200 feet of a fault that has had displacement in Holocene time. **(The application shall include information substantiating that the facility is not located within 200 feet of a fault that has had Holocene displacement. A map showing Holocene faults and/or a geologic report could be used.)**

1.6 This facility is not located in an avalanche prone area. **(The application shall include either a map, photograph or a written statement which substantiates that the facility is located in a flat or at least non-avalanche prone area.)**

1.7 Additional 200 foot buffer zone: In addition to the Chapter 2 location requirements, the asbestos disposal area is surrounded by a 200 foot buffer zone where access of the public is restricted during the operation of the asbestos disposal area. **(This buffer zone may be part of the solid waste disposal facility, or may be a zone controlled by the facility operator outside the facility boundary where development and access is restricted by the facility operator. The application shall describe which of these two zone types is applicable to this facility and how public access to this buffer zone will be controlled.)**

## **2.0     Design**

The asbestos waste management area at the **(insert facility name)** landfill has been designed to comply with Chapter 8 of the Solid Waste Management Rules and Regulations. The design of the asbestos waste management area incorporates the following specifications:

2.1 The asbestos waste management area is located as indicated on Plate **(insert a reference to the plot plan)**. This location is physically separate from other parts of the landfill frequented by the general public, and is fenced with a chain link fence which is at least six feet high and topped with barbed wire. The gate to the disposal unit is equipped with a lock.

2.2 Signs have been placed on the asbestos disposal area fence, at intervals of 330 feet or less and at all entry/access points to the disposal area, to caution the public about entering the disposal area. The signs are twenty inches wide by fourteen inches high, with a yellow background and black letters. The letters are one inch high, and the spacing between lines is two inches. The signs read:

"ASBESTOS WASTE DISPOSAL SITE  
BREATHING ASBESTOS DUST  
MAY CAUSE LUNG DISEASE AND CANCER"

2.3 Within the asbestos disposal area, trenches have been excavated as shown on Plate **(insert a reference to a detail drawing showing a typical trench cross section)**.

2.4 The asbestos disposal area is surrounded by a buffer zone at least 200 feet wide, where access of the general public is restricted during operation of the asbestos disposal area.

2.5 **As required in Chapter 2, Section 2(b)(iii)(A)(IV) the applicant shall state the source of incoming waste, this shall include a description of the planned service area for the asbestos management site. For example, if the planned service area is restricted to one county the applicant shall state: "The source of asbestos wastes will be generated in and limited to, Toocome County, Wyoming, population 9,500. This includes both individual household**

generated asbestos as well as business and industrial asbestos wastes."

### **3.0      Operation**

The asbestos waste management area will be operated in compliance with Chapter 8 of the Solid Waste Management Rules and Regulations. Specific procedures which will be followed each time that asbestos wastes are received for disposal or storage are as follows:

3.1      The facility operator will require that each person intending to deliver asbestos wastes to the facility will provide advance notification to the facility operator. This notification is needed to assure that adequate personnel and equipment will be available to manage and dispose or store of the asbestos when it is delivered, and to inspect the wastes to determine if they are properly labeled and containerized.

3.2      Prior to accepting asbestos wastes for disposal or storage, waste management facility personnel will require that the disposer provide a copy of the removal or renovation notice that has been submitted by the disposer to the appropriate federal or state agency **(in Wyoming, removal of asbestos from any institutional, commercial, or industrial facility shall be reported to the Air Quality Division of the Department of Environmental Quality. Private residences or any apartment having four or fewer dwelling units are not required to notify the Air Quality Division)**. The management facility personnel will assure that this notice has been provided, both to assure that the asbestos wastes have been legally removed, and that the wastes which are being delivered to the facility are asbestos wastes. Included in the notice will be the source and quantity of the asbestos. A copy of this notice will be maintained by facility personnel, and will be available for review by DEQ inspectors upon request.

3.3      Each shipment of asbestos wastes received at the waste management facility will be inspected, to check if:

3.3.1      The asbestos delivery vehicle is a closed vehicle. The facility will only accept asbestos if delivered in vans, covered trucks, or other vehicles that are not open to the air.

3.3.2      The asbestos has been thoroughly wetted in accordance with state and federal requirements **(certification of this must be provided by the generator to the disposal facility operator, the operator should record this information)**.

3.3.3      The asbestos has been enclosed in single six-mil thick plastic and then placed in steel, fiber, or plastic barrels, or other containers that are structurally rigid. The list of approved containers is attached to this plan **(see Solid Waste Guideline #4)**. If large structural beams or other large asbestos contaminated items are received, they will be checked to confirm that they have been wetted and double wrapped with six-mil plastic;

3.3.4      Each asbestos container has a label that reads:

DANGER  
CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD

or

CAUTION  
CONTAINS ASBESTOS FIBERS  
AVOID OPENING OR BREAKING CONTAINER  
BREATHING ASBESTOS IS HAZARDOUS TO YOUR  
HEALTH

or

CAUTION  
CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
MAY CAUSE SERIOUS BODILY HARM

3.3.5 There is no visible accumulation of asbestos on the outside of the container.

3.4 Each shipment of asbestos wastes delivered to the facility will be documented in a log book maintained by the facility operator. An example log entry sheet that will be used to meet this requirement is attached to this plan. **(included with this guidance document is an example log entry sheet entitled, "ASBESTOS WASTE RECORDS" that can be used for recordkeeping at the facility as is required under Section 4 (c)(ii) of Chapter 8. We have combined several of the recordkeeping requirements to simplify a log book. This exact sheet can be xeroxed and used or your own version of a log entry sheet can be substituted, either way you shall include an example of your recordkeeping log entry sheet when you submit your application).**

3.5 Each shipment of asbestos wastes will be placed in the active asbestos disposal trench. No later than the end of the operating day, any asbestos containers in the trench will be covered with at least twelve (12) inches of soil and compacted to not less than six (6) inches.

3.6 If an asbestos disposal trench has not received asbestos wastes for any period longer than thirty days, the landfill operator will add an additional twelve inches of soil cover which will be compacted to a total thickness of not less than 12 inches.

3.7 If at any time an asbestos waste container becomes visible from erosion, the facility operator will immediately place additional soil cover over the exposed container.

3.8 If the asbestos received at the solid waste management facility is in any way improperly containerized or the facility operator believes the condition of the asbestos waste shipment could result in a release of asbestos fibers to the air, the management facility operator will:

3.8.1 Thoroughly wet the asbestos containers with water;

3.8.2 Carefully remove the wetted containers from the delivery vehicle and immediately cover the containers with soil, prior to compacting the soil in the disposal trench;

3.8.3 Rinse out the inside of the truck, and bury the rinseate in the asbestos disposal trench;  
and

3.8.4 Provide a written notice to the Department including the name, address and telephone number of the transportation company, the vehicle driver, asbestos abatement or removal contractor, and the owner of the asbestos waste.

3.9 Operation of the facility complies with all applicable Wyoming Occupational Safety and Health rules **(additional information regarding Wyoming OSEIA can be included with the application and referenced here).**

#### **4.0      Closure**

Closure of the asbestos waste management area will comply with the Solid Waste Management Rules and Regulations and will be done as follows:

4.1      **(Describe planned thickness of final cover, grading and reseeding program.)** The final soil cover will be no less than three (3) feet in thickness.

4.2      At closure, the portion of the facility where asbestos has been buried will be surveyed and the corners of the asbestos disposal area will be marked with permanent surveyed benchmarks.

4.3      At closure, an instrument which clearly gives notice of the restrictions that apply to future activities on the disposal facility property will be filed for recording by the register of deeds (County Clerk) in (insert name of county where the asbestos disposal area is located) county. The notice shall also be provided to any local planning agency. Wording of this instrument shall conform to the following:

"CAUTION. THE PROPERTY MORE COMPLETELY DESCRIBED BELOW HAS BEEN USED FOR THE DISPOSAL OF ASBESTOS-CONTAINING WASTES. EXCAVATION OF THE PROPERTY WHICH COULD EXPOSE THESE WASTES IS TO BE AVOIDED. BREATHING ASBESTOS FIBERS IS HAZARDOUS TO PUBLIC HEALTH.

THE COMPLETE LEGAL DESCRIPTION OF THE PROPERTY USED FOR THE DISPOSAL OF ASBESTOS-CONTAINING WASTES IS;

**(INSERT METES AND BOUNDS DESCRIPTION)**

ANY EXCAVATION OF THIS PROPERTY OR DISTURBANCE OF THE LANDFILL COVER WHICH MAY RESULT IN THE RELEASE OF ASBESTOS FIBERS SHALL FIRST BE AUTHORIZED BY THE WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY."