

Antimony Town Permit Attachment #4: Closure and Post Closure

Wayne County Landfill, the Sevier County Landfill or other future landfills. Procedures will continue in this manner until operations at the landfill can return to normal.

CLOSURE / POST CLOSURE

Closure of active portions of the Antimony Class IVb Landfill contemplates controlling, minimizing and eliminating threats to human health and the environment from post-closure escape of solid waste constituents, leachate, landfill gases, contaminated runoff, or waste composition products of the ground, groundwater, surface water and the atmosphere. When an area of the landfill reaches final elevation, it will be covered within 2 months with 12 inches of intermediate cover and graded to promote drainage.

The surface shall be free from ponding and shall minimize infiltration. Not more than 4 months after completion of the intermediate cover, the area will be covered with a minimum of 24 inches of earthen material including 6 inches of material capable of supporting vegetative growth. Following final closure, Antimony Town will submit to the Executive Secretary modified plan sheets representing changes resulting from final closure and certification that the unit has been closed in accordance with the approved closure plan.

Post-closure care of inactive sections of the landfill will consist of maintaining the integrity of the final and vegetative covers. Any areas subject to erosion will also be corrected; and appropriate measures will be implemented to identify and eliminate the source. Groundwater monitoring, leachate collection, and gas collection are not proposed for the Antimony Class IVb Landfill. Therefore, closure and post/closure activities associated with these functions will not be performed. Semi-annual monitoring of inactive sections of the landfill will continue for 30 years or as long as deemed necessary by the Executive Secretary. At the end of the monitoring period, Antimony Town will certify to the Executive secretary that the required monitoring has been completed and state why additional monitoring is no longer necessary. Upon inspection and approval, the Executive Secretary will authorize that post-closure care may be discontinued.

TRAINING AND SAFETY PLAN

Each landfill operator and employee is required to read the landfill application and permit prior to assuming duties related to landfill operations. Safety procedures will conform to OSHA guidelines; and personnel will be encouraged to participate in additional landfill management, waste screening, safety, and first aid workshops.

RECYCLING

Recycling means extracting valuable materials from the waste stream and remanufacturing them into useable products. Technical recycling expertise is not available and reliable recycling markets do not

CLOSURE / POST CLOSURE PLAN

CLOSURE SEASON AND YEAR

Closure operations at the Antimony Class IV b Landfill / Dead Animal Pit will be performed on an ongoing basis. Adequate capacity exists at the landfill to continue operation for the life of the permit. A final closing date cannot be determined at this time. Ongoing closure operations will generally be performed from May through October, the normal frost free construction period, or as weather permits. No area larger than ¼ acre that has achieved final elevation will remain open longer than 6 months.

FINAL COVER

Closure operations will consist of leveling, contouring, placement of appropriate covers as necessary to reduce infiltration and preserve the integrity of the completed areas of the landfill. Areas of the landfill reaching final elevation will be closed within 6 months. Closure operations will include leveling and contouring using intermediate cover to reduce infiltration and ponding. Excess material may be stripped and utilized in other operations or left in place. After grading operations promoting drainage are complete, earthen material which increases the total cover depth to 2 feet will be installed. Upon completion of the covering operations, closed areas may be seeded. Any seed mixture shall be developed after consultation with local range specialists and verifying availability of local seed markets. Recently closed sections of the landfill will be evaluated as part of the quarterly inspection process and will be placed on post closure status.

SITE CAPACITY

Site capacity for the entire Antimony Class IVb Landfill is estimated to be 135,000 tons. Assuming the initial 10 acre parcel, trench style operation (40 ft bottom width, 4:1 side slopes, 30 ft depth) three 8.5 ft lifts of waste with 1.5 foot intermediate cover, and an average density of 900 lbs. per cubic yard, waste volumes can be estimated at 300,000 cubic yards of 135,000 tons.

FINAL INSPECTION

The Antimony Class IV b Landfill / Dead Animal Pit is anticipated to operate throughout the life of this permit. At least 60 days prior to any closure, the Division of Solid and Hazardous Waste will be contacted, and a final inspection will be scheduled. The Executive Secretary will be informed of the incremental closure of individual cells through routine state inspections, annual reports, and renewal applications. In addition, a QA /QC plan will be submitted for approval prior to any closure operations.

Within 90 days of unit and / or facility closure, as built plans signed by a professional engineer shall be forwarded to the Executive Secretary.

Landfill owners and operators shall allow the Executive Secretary of the Utah Solid and Hazardous Waste Control Board or an authorized representative, including representatives from the Local District Health Department, upon representation of credentials, to enter during operation hours and / or inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under this permit.

A record of the inspection may be made by photographic, videotape, electronic or other reasonable means, and a copy of any such record shall be provided to the owner and the operator within a reasonable time.

LAND TRANSFERS AND USES

Plats and a statement of fact concerning the location of any disposal site shall be recorded as part of the record of title with the County Recorder not later than 60 days after certification of closure. Upon recording, proof of the record of filing will be submitted to the Executive Secretary.

POST CLOSURE MAINTENANCE

Post-closure care of inactive sections of the landfill will consist of maintaining the integrity of the final cover. Any areas subject to erosion will be corrected, and appropriate measures will be implemented to identify and eliminate the source. No active or technical devices are proposed for use at the Antimony Town Class IV b Landfill / Dead Animal Pit. Best management practices will be implemented to minimize infiltration and assure the integrity of the run-on / run-off system. Evaluation of the system will be made during the quarterly inspections, and corrective measures, in any, will be implemented. Closed portions of the landfill will be inspected as part of the quarterly reviews performed by the landfill operator. Closed areas will also be inspected as part of the in-depth annual inspection. Any deficiencies will be repaired as soon as practical.

No alternate land use for closed sections has been developed to date. Closed cells will remain under the jurisdiction of Garfield County. If alternate land use plans are developed they will be addressed during the permit renewal process, or a separate permit modification may be processed.

RESPONSIBLE PARTIES

The applicant, property owner, and responsible party for the post closure care period is:

Antimony Town
PO Box 120046
Antimony, UT 84712
Phone: (435) 624-3300

It should be noted Antimony Town is continually upgrading solid waste management services. Future agreements, potential special service district creation, the extended life of the landfill, and alternate ownership / operation scenarios may require modification of this section of the permit. In addition, the Town may contract site operations with private entities. Antimony Town will notify the Executive Secretary of any changes in responsible party status at least 30 days prior to their effective date. Other changes to the information listed above will be provided in annual reports and permit renewal documents.