

Project Announcement:

Cell 4 Redevelopment Project

Cecil County Central Landfill



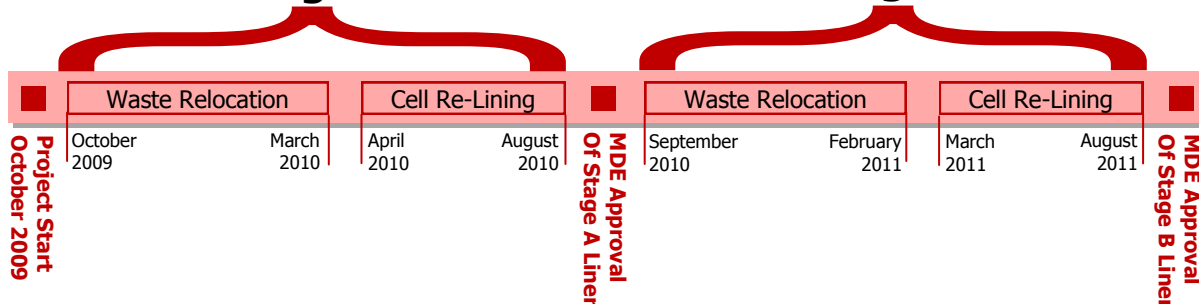
The Cecil County Department of Public Works or "CCDPW" is responsible for the *effective, efficient and safe management of solid waste generated by the citizens of Cecil County*. The Central Landfill is operated by the CCDPW and is the primary facility for the disposal of solid waste in the County.

The Central Landfill has been developed into separate distinct disposal areas, referred to as "cells," that contain various lining systems to protect local groundwater resources. There are three disposal cells on the site. One of these cells (Cell 4), is scheduled to have the in-place waste relocated and its lining system replaced. CCDPW determined that the replacement of the Cell 4 lining system is necessary to allow for the efficient expansion of the landfill facility, provide environmental protection for the future, and ensure a long term solid waste disposal solution for Cecil County residents.

Estimated Project Timeline

Stage A

Stage B



Project Scope

The following steps of the project will be accomplished in two stages:

- Dig up approximately 800,000 cubic yards of waste from Cell 4 (the equivalent of 300 Olympic size swimming pools);
- Relocate the waste from Cell 4 to other active disposal areas at the Central Landfill;
- Remove the existing Cell 4 containment system (~15 acres in size or about 15 football fields);
- Install new Cell 4 containment system; and
- Refill the Cell 4 area with new solid waste generated from Cecil County.



Cecil County Department of Public Works

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Visit http://www.ccgov.org/dept_works/solidwastediv.cfm for information about other activities at Central Landfill.

Questions & Answers

Why do you have to move waste that's already in a contained disposal area? Based on an engineering evaluation, it was determined that the Cell 4 containment system, consisting of a plastic liner and earthen materials underlying the waste, will not support future landfill expansion. Expansion of the landfill will be needed in the future so that it can continue to provide a convenient and economical location of waste disposal for the residents of Cecil County. Because of Cell 4's location near the center of the landfill, future expansion of disposal capacity at the Central Landfill (which may include placing additional waste on top of Cell 4) is dependent on the integrity of the liner and leachate collection system within Cell 4. The lining system planned for Cell 4 will be capable of supporting a future vertical and horizontal expansion of the landfill disposal areas, resulting in a more efficient use of the space available for waste disposal.

When will waste be relocated? Generally, waste will be excavated and moved during normal landfill operating hours, 7:30 a.m. to 3:30 p.m., Monday through Saturday. Operating at other times may become necessary during some periods of the project but will have to be approved by the Maryland Department of the Environment or "MDE" and the Cecil County Department of Public Works or "CCDPW."

How long will it take? Waste will be removed in two stages during the colder months of the year. This is anticipated to primarily occur between September and March and is expected to help control odors during the activity. Due to the volume of waste and the rate at which it can be relocated, it is anticipated that it will take two 6 month periods to complete the removal of the waste from Cell 4. The entire project is estimated to take nearly 2 years to complete.

Will digging up the old waste cause off-site odors? Exposing decomposed waste has the potential to generate odors. However, the activity will be completed according to a plan approved by the Maryland Department of the Environment. The objective of the plan is to minimize off-site odors as much as practical. In the event the plan is not working as effectively as expected, the CCDPW and MDE will require the Contractor to modify their waste removal practices to reduce odors from the activity.

What methods and controls will be employed by the CCDPW to prevent the migration of off-site odors? The CCDPW intends to use several measures to control odors during waste relocation. Odors will primarily be minimized by limiting the area of exposed waste and covering it at the end of each working day. In addition, relocation activities will generally be scheduled during the fall and winter months to minimize the migration of odors from the working area. The landfill gas extraction system will also continue to be operated throughout the entire project timeframe to minimize odors from landfill gas. Waste relocation may also be temporarily suspended during unfavorable weather conditions or additional odor control measures, such as the use of odor control agents, will be employed.

Will the operation be noisy?

Operations will usually be during current landfill operating hours and noises are not expected to be different than regular landfill operations. The landfill is located at least 1/4 mile from the nearest adjacent residences. Existing trees between the residences and the landfill provide additional buffer.

What are the benefits of the project?

- Upgrade of the Cell 4 containment system to current Maryland Department of the Environment landfill standards
- Ensure long-term environmental protection
- Facilitate future expansion of the landfill
- Reuse/recycle recovered materials (e.g. scrap metals, soils)
- Allow efficient use of existing resources

Will the landfill be shut down during waste relocation? No, the Landfill will continue to accept waste from local commercial waste haulers and residents. CCDPW intends to separate the two operations to avoid congestion on the landfill.

Will the old waste be exposed when the site is not operating? No. Just like the active disposal area, all exposed waste will be covered at the end of the workday with soil or an approved cover material to control odors, blowing litter, other nuisances, and to minimize water infiltrating into the waste.

Will the exposed waste affect water quality in the area? No, stormwater will be diverted away from the waste removal area as much as possible. Stormwater that comes in contact with waste will be collected as wastewater along with the water collected from the active disposal area and treated at the County wastewater treatment plant.

Can any of the old waste be recycled? Yes. One of the benefits of relocating the waste is that several materials can be removed for reuse or recycling. This activity may potentially reclaim landfill space. Some of the possible recyclable materials to be removed include:

Soil: Landfill operations use a lot of soil. During excavation of the old waste, soils that are not mixed with waste may be separated and reused for soil cover in the new disposal area. Soils with small amounts of waste can be screened to separate the soil for reuse. It is expected that as much as 10-15% of the excavated material from Cell 4 could be soil suitable for recycling.

Metals: Large pieces of recyclable metals (such as appliances, aluminum siding, metal pipe, etc.) will be segregated from the waste during excavation.

Tires: Based on current MDE regulations, it is illegal to dispose of tires in a permitted municipal solid waste landfill. When Cell 4 was in operation between 1988 and 1994, these permit conditions did not apply. Therefore, if tires are encountered during the waste relocation, they will be segregated for recycling.

Will hazardous materials be encountered in the old waste? It is not expected that unauthorized hazardous materials will be encountered during waste excavation. This opinion is based on when the waste was placed (1988 to 1994) and MDE regulations that were in place at that time. During the previously noted time period, the MDE required the CCDPW to monitor for, and exclude the acceptance of, non-authorized hazardous materials. However, the

personnel engaged in the waste relocation will be fully trained to watch for suspicious waste, and if necessary, will implement appropriate special waste handling and disposal practices to protect the contractor, site operations personnel, the public and the environment. In the unlikely event that hazardous materials are encountered, the CCDPW will immediately notify the MDE and a hazardous materials management plan will be implemented.

