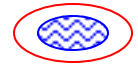


Description and Purpose

The construction of a temporary area to mix building construction materials such as mortar, drywall mud, and stucco. These areas are built onsite where the operation is being conducted and are designed to contain materials in that area.

Temporary Mixing Station



Suitable Applications

Any construction site where potential sources of pollution are being mixed with water and pose the risk of entering the stormsewer system or waters of the state.

Limitations

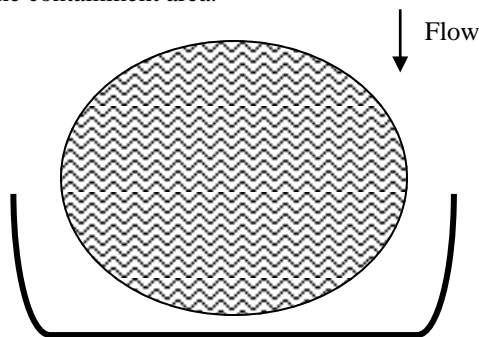
The purpose is to provide a minimum 110% storage capacity to effectively act as secondary containment as these are designed as secondary containment systems. Due to the variable nature of construction it is important that the perimeter of the structures be monitored for any signs of failure on an ongoing basis.

Implementation

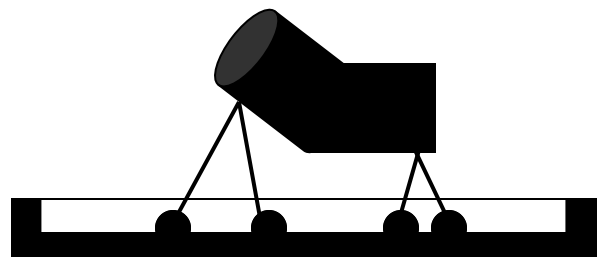
- These are to be implemented where mixing operations are to occur.
- Ensure that the area is adequate and that the size of the mixing station corresponds with the size of the mixing operation. For example if you are mixing with a drill and a 5 gallon bucket then mixing in a kiddie pool will be acceptable whereas if you have pallets of material to mix and a mixing machine you will want to build an area big enough to contain those materials, the machine, water storage and people to work in.
- Examples are berms, rock bags, wattles, kiddie pools, 5 gallon buckets, onsite construction materials like siding etc.
- If utilizing compacted soil make sure that the soil has some plasticity to contain pollutants, sugar sand will need to be lined. Also line areas where you have a high water table and if you are within 400' of a stream or water body and 1,000 feet from any wells or drinking water.

Inspection and Maintenance

- Inspect periodically throughout the day while the operation is in use. Formal documented inspections are to be conducted at a minimum every 14 days and within 24 hours of a storm event.
- Inspect perimeter to make sure no materials are being deposited outside the containment area.
- Immediately clean up any materials outside containment area, determine the cause for the breach in containment and implement new procedures and or modify the containment structure to ensure that material will no longer get outside of the containment area.



Typical Aerial View



Typical Side View

The idea is to have an area that has sidewalls capable of containing materials being mixed (mini pool). Berms, visqueen lined berms, kiddie pools or other structures that will at a minimum act as a containment area for mixing operations. If utilizing a material like siding to create your pool it must be trenched in a minimum 2" into the soil so that it is not undermined

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