

### Tank 538 Transfer Station

The containment for this area collects in a sump on the east end of the transfer station. Rainfall is transferred by a pump and piping to the adjacent tank farm containment area which has a valve that drains to a large containment vault (Cadigan's Tomb). A valve in Cadigan's Tomb allows it to drain to the process sewer and the WTP.

### MCS/R<sup>2</sup> Tank Slurry Load Station

The sump at the R<sup>2</sup> transfer area has a pump that discharges to the process sewer and the WTP.

## (3) Containment System Capacity (373-1.5(b)(1)(iii), 373-2.9(f)(1)(iii))

### Drum Storage Structure (1 Year Pad)

The Drum Storage Structure (1 Year Pad) can store 3,480 55-gallon drums for a total storage volume of 191,400 gallons. The containment system can hold approximately 28,480 gallons, which exceeds the ten percent secondary containment requirement, 19,140 gallons. These volumes include sump capacities and exclude the volume occupied by pallets.

Although the partially open sides of the Drum Storage Structure (1 Year Pad) and run on over the apron may allow a minimal amount of precipitation to enter the structure, the containment volume of the area is sufficient to accommodate up to 9,340 gallons of run-on.

### RKI Feed Pad

The RKI Feed Pad can store 480 fifty-five gallon drums for a total storage volume of 26,400 gallons. Curbing in this area provides containment for 2,620 gallons, and the floor is pitched toward a sump that provides an additional 60 gallons of containment. The total containment capacity of approximately 2,680 gallons is greater than ten percent of the maximum volume of waste stored in the structure.

The roof overhanging the RKI Feed Pad, the sloping of the surrounding pavement, and the proximity of B96 are sufficient to prevent appreciable amounts of stormwater from entering the RKI Feed Pad. Incidental amounts of stormwater may enter the structure if there is a significant cross wind during a storm event. However, this stormwater collects in the 60-gallon sump and is pumped out within 24 hours.

### APS Transfer Station

The APS Transfer Station is designed for one tanker up to 6,000 gallons in size. The containment volume capacity is approximately 36,733 gallons, and the rainfall allowance is approximately 2,722 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of

and the rainfall allowance is approximately 5,682 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of approximately 11,189 gallons. The excess 4,689 gallons of containment capacity is sufficient to contain run-on which might enter the system; furthermore, stormwater that accumulates in the sump is pumped out within 24 hours.

#### 71 Transfer Station

The Building 71 Transfer Station is designed for one tanker up to 6,000 gallons in size. The containment capacity is approximately 30,647 gallons and the rainfall allowance is approximately 12,132 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of approximately 18,515 gallons. The excess 12,515 gallons of containment capacity is sufficient to contain run-on which might enter the system; furthermore, stormwater that accumulates in the sump is pumped out within 24 hours.

#### Building 76 Transfer Station

The Building 76 Transfer Station is designed for up to two tankers, one up to 2,000 gallons, and the other up to 6,500 gallons in size. The containment capacity is approximately 30,837 gallons and the rainfall allowance is approximately 12,556 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of approximately 18,281 gallons. The excess 11,781 gallons of containment capacity is sufficient to contain run-on which might enter the system; furthermore, stormwater that accumulates in the sump is pumped out within 24 hours.

#### Building 78 Transfer Station

The Building 78 Transfer Station is managed to store one tank wagon up to 6,500 gallons in size. An engineering design that accounts for secondary containment capacities will be developed.

#### Tank 538 Transfer Station

The Tank 538 Transfer Station is designed for one tanker up to 5,121 gallons in size. The maximum containment capacity including rainfall allowance is approximately 5,375 gallons. Stormwater that accumulates in the sump is pumped out within 24 hours.

#### MCS/R<sup>2</sup> Tank Slurry Transfer Station

The MCS/R<sup>2</sup> Tank Slurry Transfer Station is designed for up to three tankers, each up to 1,500 gallons in size. The containment capacity is

-