

## Manhole/Vault Oil and Sheen Removal

Mid-Atlantic Region - May 2007

C.I.Agent Solutions® was called to solve manhole/vault oil and sheen removal problems in the Mid-Atlantic region following the release of several gallons of oil into a manhole, with a second location containing sheen. This test was conducted as an alternative to using a vacuum truck to remove the oil contaminated water.

C.I.Agent® Granules were broadcast into the manhole onto the surface of the oily water. A pump was lowered into the vault and the water was pumped back into the vault, mixing the C.I.Agent® Granules with the oil to create a washing action to address the extreme contamination on the splices, cable racks, and wall areas. After allowing the solidified oil to settle on the surface, the water level was pumped down. The remaining solidified oil was removed from the vault; placed into bags for disposal and the remaining water was pumped out.

C.I.Agent® Products have become the standard operating procedure for oily-water removal. This procedure has proven to be an efficient and cost effective alternative to vacuum trucks; providing significant reduction in time and labor.



### C.I.Agent® Costs Comparison

	C.I.Agent®	Vac truck (had they not used C.I.Agent®)
Clean-up Period:	2 hours, 6 man hours	
Materials:	70 lbs. of C.I.Agent® Granules Evac Filter	
Product Retrieved:	35 gals. of oil	
Waste:	approximately 290 lbs.	
Total Cost:	<b>\$1,770</b>	<b>\$10,000</b> (estimate from customer)

**Benefit Summary:** Utility crew experienced over 80% operating cost reduction and substantial time savings in accessing customer electrical service problems.