

Case Study:

Oil-Contaminated Stone Removal

Major Utility Company
Northern Virginia

Situation

After sixty years of service, a large transformer owned by a major Mid-Atlantic utility company needed to be replaced, and the stone within the containment area removed. The transformer had contained polychlorinated biphenyls (PCBs) until 15 years prior to this time, when the client flushed the oil and reclassified the containment as non-PCB. Despite the new classification, areas of the stone within the containment had discolored over time, as the oil seeped into it. There was a risk that PCB-oil had weeped into the stone, and so the company reached out to Triumvirate Environmental to remove the stone, test for PCBs, and segregate out the regulated waste.

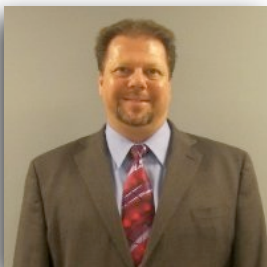
Action

Triumvirate's field services crew arrived on-site with a 3500 gallon Hi-Dump Air Mover equipped with a top mounted boom, 3500 psi pressure washer, 20 cubic yard lined roll-off containers and support equipment to remove the stone and clean the transformer containment area. The contaminated stone was vacuumed from the containment area and collected in the Hi-Dump Air Mover. This stone was then dumped directly into the roll-off. Non-regulated stone waste was transported and dumped on-site, in accordance with client direction. Once the stone had been removed and the drain was blocked with a plumbers plug, the field service team power-washed the containment and collected the rinsate in the vacuum truck so that it did not enter the containment drain. Following the washing process, Triumvirate performed 3 wipe samples to test the surface of the containment for polychlorinated biphenyls (PCBs).



Result

Triumvirate removed 98 tons of stone from the transformer containment, segregated out approximately 40 tons of oil-contaminated material, loaded and shipped this material off-site for disposal, and thoroughly cleaned the 25-foot long by 24-foot wide by 3-foot deep containment area. Test results were received within three days and indicated the area was clear of PCB's.



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