



Aerial view of site

Site Facts

Site Name:

BKK Sanitary Landfill

Location:

West Covina,
Los Angeles County

Site Size:

583 Acres

Historical Uses:

Class I and III landfills

Contaminants of Concern:

Approximately 3.4 million tons of hazardous waste was accepted between 1972-1984, along with large amounts of non-hazardous waste.

Emergency Response

SUCCESS STORY, June 2006

BKK Sanitary Landfill Storm Drain Repair Project

The BKK facility, which includes a hazardous waste landfill (Class I) and a municipal landfill (Class III), is located at 2210 South Azusa Avenue in West Covina. On October 18, 2004, BKK Corporation (BKK) notified the Department of Toxic Substances Control (DTSC) that it would not have the financial resources to continue to operate the facility after November 17, 2004. Based on this notification, DTSC initiated an emergency response action on November 18, 2004 to carry out essential operations and some critical facility repairs.

The largest of the critical tasks involved replacement/repair of the facility storm drain system, which consists of over 10,000 feet of 24" to 84" underground metal drain lines that move storm water runoff off of the Class I and Class III landfills. The storm drain system functions to prevent erosion of the cap and infiltration of water into the waste.



Storm drain failure

Storm drain repair work was initiated in FY 2004/05 with plans developed to replace a 3,000 foot section of 48" diameter line, 500 feet of 72" diameter line, and 1,260 feet of 84" diameter line. Work on the 84" line was extremely complex due to the fact that 260 feet of the line were demolished by a slope failure and 1,000 feet were between 40 and 50 feet underground. All of the shallow old drain line was excavated and removed and the deeper line was cleaned out to create a tunnel. With this work completed, a new concrete surface

drain was installed to replace the 48" line. The larger diameter lines were replaced with 84" reinforced concrete pipe and 72" and 48" high-density polyethylene pipe. The 48" diameter pipe runs through the 1,000-foot tunnel to connect the line with upper sections of the drain system. All of this work was completed by January of 2006 at a cost of approximately \$4.6 million. A second phase of this project focusing on replacement of an additional 2,500 feet of 24" and 36" drain line, will be completed in FY 2006/07 at a cost of approximately \$1.5 million.

Following completion of the first phase of repair work, the BKK Landfill received several large precipitation events. During these events, the new storm drain performed as designed, reducing erosion and inflows into the landfills. It is envisioned that the new storm drain will provide many years of reliable service.



Construction underway



State of California Department of Toxic Substances Control

