

industrial property is located to the south. The Chicago Sanitary and Ship Canal is located approximately 1,500 feet south of the Main Site.

Currently, the 20-acre Sacramento parcel is elevated compared to surrounding grade. The portion of the Site that is above surrounding grade consists of a bottom clay layer (“Cover”), a middle soil layer (“Fill”), and the Cap. The placement of the Cover, Fill, and Cap materials on the Main Site post-dates Honeywell’s ownership of the Main Site.

Following the completion of the Engineering Evaluation /Cost Analysis, United States Environmental Protection Agency (USEPA) issued an Action Memorandum (March 2005) finding that subsurface contaminants should be addressed by the placement of 2 feet of granular material on the Main Site (to the extent one was not already in place) and the recording of certain restrictive covenants. Honeywell and USEPA subsequently entered into a second Administrative Order on Consent (2006 AOC) whereby Honeywell agreed to perform the activities set forth in the March 2005 Action Memorandum. The development Main Site Removal Action is one of the tasks under the 2006 AOC.

The Main Site Cover Construction activities were completed between September 2008 and September 2009. Additional measures, beyond the 2 foot granular cover, were implemented by the PRP during implementation of the Removal Action. CH2MHill (Hill), Honeywell’s contractor, removed PAH-impacted soil from the side slopes and side swales, cover construction, installation of a storm sewer, fencing and a post-removal site control plan. On January 22, 2010 USEPA approved the Main Site Cover Construction Completion Report. All work was completed on September 4, 2009; and all the work was documented in the January 2010 Main Site Cover Construction Completion Report (CR). A letter approving the CR and a Letter of Completion were sent to Honeywell January 22, 2010.

The activities conducted during the Removal Action include:

- Worked with USEPA, the subcontractor, and the other stake holders, to devise means and methods to complete the work effectively and meet project objectives.
- Removed trees, bush, vegetation and debris from the swale and side slope areas to facilitate excavation of side slopes.
- Excavated and off-site disposed 16,301 tons of contaminated soils from the side slopes and swales.
- Properly disposed of 56,250 gallons of liquid waste encountered during the removal activities.
- Established staging areas for storage of materials and equipment to complete the work.
- Performed real time dust monitoring throughout the duration of soil excavation activities and during transfer of excavated materials.
- Obtained all necessary permits.
- Following excavation side slopes, graded the slopes with clean fill to allow for a 3:1 maximum slope from the toe to the top of the site.
- Installed a permeable geotextile fabric in the swales, where visibly impacted soil was encountered. Placed two feet of clean fill on top of geotextile fabric.
- Covered portions of the existing Sacramento parcel cover with a clean aggregate material (gravel) in order to maintain a minimum cover of 24 inches.

- Added clean fill to the Monarch parcel, which was then covered by 24 inches of asphalt, consistent with the future land use of the parcel: a parking lot.
- Conducted compaction testing via Wang Engineering, Inc. to ensure that the material was compacted to 95% of dry density.
- Removed the existing stormwater piping system and installed a new stormwater sewer system.
- Following completion of all site activities, installed a new 6-foot chain-link fence around the perimeter of the property.
- After construction activities were completed, performed an elevation survey to certify cover grades and document site elevations and site features.
- Developed a post-removal site control plan.

Key Issues: None.

Estimated costs: This is a PRP-lead removal action and the estimated costs are not available.

Disposition of Wastes:

- From 5/5/2008 to 8/18/2009 Honeywell Inc. removed and transported to Waste Management's CID, a waste management landfill in Calumet City, approximately 16,301 tons of non-hazardous soil.
- From 10/14/2008 to 7/223/2009 Honeywell Inc. removed and transported to Countryside Landfill in Countryside, IL 771.22 tons of soil/debris and concrete.
- From 6/3/2009 to 7/23/2009 Honeywell Inc. disposed of 36,250 gallons of non-hazardous liquid waste encountered during excavation, backfill and compaction activities was treated on-site and sent to Advanced Waste Services in Milwaukee, WI. Due to an unexpected heavy amount of precipitation during stormwater sewer installation, an additional 20,000 gallons of non-contact stormwater was released through the Combined Sewer Outfall #178 with Illinois EPA approval.