

Modesto Soil Stockpiles

FACT SHEET

History

- In 1965, the State Route 99 (SR-99) alignment was constructed through one of Food Machinery & Chemical (FMC) Corporation settling ponds.
- Soil from the FMC settling ponds as well as nearby native soil was stockpiled for embankments for the future SR-132 expressway/freeway.
- In the late 1990s, interest in SR-132 project revived due to increased traffic levels and accident rates on Maze Boulevard.
- Between 1998 and 2000, preliminary environmental review activities were performed following selection of seven alternative routes.
- In 2001, the Department of Toxic Substances Control (DTSC) and Central Valley Regional Water Quality Control Board (CVRWQCB) were contacted to identify regulated sites in the vicinity of SR-99 and Kansas Avenue.
- The Preliminary Site Investigation in 2004 determined that two of the stockpiles contained elevated levels of barium.
- In 2004, A Remedial Action Options Report which evaluated remedial options was prepared.
- DTSC recommended further testing, ground water sampling, and a Human Health Risk Assessment report.

2007 Human Health Risk Assessment (HHRA)

- Between 2005 and 2007, an HHRA was conducted on the three soil stockpiles by Shaw Environmental, Inc. Each stockpile was evaluated both separately and collectively to estimate potential chronic health risks to current and future residents and construction workers.
- Findings of the HHRA indicated that the soil as currently managed at the site is not considered to present an unacceptable risk.

Soil Analysis

- Between 2004 and 2006, 359 soil samples of the stockpiles have been analyzed and were used to develop the 2007 HHRA.
- Similar soil analysis of soils as currently managed will be done on areas near and around the stockpiles to determine if any migration of the contaminants has occurred.

Groundwater Monitoring Report

- The results of the March 2012 tests performed by GeoCon Consultants, Inc. indicate that results are consistent with previous samples.
- Barium levels do not exceed water quality thresholds.
- Only one sample exceeded the secondary threshold associated with taste and smell for Manganese levels.

| Report/Activity | |
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| Report/Activity | Date |
| • Supplemental Site Soil Characterization Report of Analysis | • October 2012 |
| • Update Human Health Risk Assessment | • January 2013 |
| • Soil Management Feasibility Study | • July 2013 |
| • Remedial Action Plan incorporated in Environmental Document | • July 2013 |
| • Circulate Draft Environmental Document | • Late summer 2013 |
| • Public Meeting | • Fall 2013 |
| • Project Approval & Environmental Document Complete | • Late Fall 2013 |

Location of Reports and Findings

- Current Reports and Documents can be found on the California DTSC Envirostor webpage under the Activities tab for the State Route 132 West Expressway Project at:
http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60001626

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