Recover Your Resources

Reduce, Reuse, and Recycle Construction and Demolition Materials at Land Revitalization Projects

EPA C&D Recycling Success Stories

Richmond, VA

The former Lucent Richmond Works facility, a 120-acre RCRA facility, was fenced off and left idle, leaving behind over 700,000 square feet of old and dilapidated manufacturing buildings. With coordination between the developer, the previous site owner, EPA, and the Virginia Department of Environmental Quality, the property is being revitalized into *The Shops of White Oak Village,* a development that will feature several restaurants, a hotel, national retail stores, and several regional and local specialty shops. After demolishing the existing onsite buildings, the developer diverted 84,500 tons of material from landfills, achieving a 93 percent overall recycling rate. According to the project's demolition contractor, the amount of materials diverted from landfills could have filled two Richmond Coliseums. Cost-savings associated with recycling and reuse of demolition materials are estimated to be approximately $3.6 million. The developer is now applying for Leadership in Energy and Environmental Design (LEED) certification from the U.S. Green Building Council, further demonstrating a commitment to sustainable development. For more information on this project, please visit:
www.epa.gov/reg3wcmd/ca/va/pdf/vad066000993.pdf

Emeryville, CA

In July 2003, the City of Emeryville provided $1,175,000 in EPA Brownfields Revolving Loan funds to GreenCity LLC to assist with cleanup costs associated with the GreenCity Lofts property, a former paint factory. The GreenCity Lofts project team completed cleanup of the 0.9-acre property in December 2004 and 62 condominiums were constructed in 2005. Demolition of the former paint factory and warehouse buildings was necessary before construction of the lofts could begin. The project team employed C&D waste recycling practices including deconstructing (hand dismantling) the buildings on the former industrial property as an alternative to traditional demolition. *As a result, 94.6 percent of the demolition waste was recycled,* exceeding the nearby City of Oakland's legal requirement by 45 percent. In addition, 21,569 tons of excavated soil were diverted from disposal and used as Beneficial Cover at a local Class II Landfill reducing project cost by an estimated $496,708 in eliminated tipping fees. For more information on this project, please visit:
www.epa.gov/brownfields/success/emeryvilleca_cd_ss_final.pdf

Brownfields Cleanup and Redevelopment

EPA's Brownfields Program empowers states, communities, and other stakeholders in economic redevelopment to work together to prevent, assess, safely clean up, and sustainably reuse brownfields. The Brownfields Program provides technical and financial assistance, including grants for environmental assessment, cleanup, and job training.

www.epa.gov/brownfields/

Federal Facilities

The Federal Facilities Restoration and Reuse Program works with other Federal and state agencies to facilitate the cleanup and reuse of the nation's Superfund Federal facilities, including Base Realignment and Closure (BRAC) sites.

www.epa.gov/fedfac/

Underground Storage Tanks

The Underground Storage Tanks Program supports States, territories, and other partners in the cleanup and reuse of properties contaminated by petroleum releases from underground storage tanks and works to better integrate eligible petroleum brownfields into ongoing restoration/revitalization activities.

www.epa.gov/swerust1/