

Summary of Injunctive Relief Actions in Doe Run Settlement

The consent decree outlines a number of specific injunctive relief actions that Doe Run must take in relation to 10 of its facilities in southeast Missouri:

Herculaneum Smelter, 881 Main Street, Herculaneum, Mo. - Voluntary shutdown of acid plant and sinter machine, and end of shipments of lead concentrate to the facility by December 31, 2013; cease operation of blast furnace by April 30, 2014; after smelter is shut down, cleanup smelter property to health-based levels to allow for appropriate future use of property; provide \$8.1 million financial assurance trust fund to ensure cleanup is completed; while the smelter is still operating through 2013, limit production of refined lead to 130,000 tons per year, and observe specific limits on sinter production, blast furnace sinter consumption, sulfur dioxide emissions and lead emissions to air; install and operate a second lime slurry tank at its wastewater treatment plant; install system to recycle truck wash water; update the Spill Prevention Control Countermeasures plan, and develop and implement an appropriate training program; improve efforts to reduce track-out of lead-bearing materials and hazardous waste from the facility; perform extensive sampling and analysis of surface water, and develop plans to manage surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plan (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Buick Mine/Mill, Highway KK, Boss, Mo. - Enclose lead concentrate handling and loading areas under negative pressure to reduce lead emissions to air; improve efforts to reduce track-out of lead-bearing materials and hazardous waste from the facility; develop and implement a plan to address storage and cleanups of used oil; perform extensive sampling and analysis of underground and surface water, and develop plans to manage underground and surface water to reduce pollution in wastewater; install and operate pressure drop monitor on underground concrete batch plant #1; update the Spill Prevention Control and Countermeasures plan, and develop and implement an appropriate training program; prepare standard operating procedures for making and documenting hazardous waste determinations; prepare and implement Stormwater Pollution Prevention Plan (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Buick Resource Recycling, Highway KK, Boss, Mo. - Demonstrate and ensure compliance with all special conditions of its hazardous waste permit; install and operate an additional sand vertical gravity filter at the facility's wastewater treatment plant; install equipment for recycling of non-contact cooling water in the battery desulfurization and crystallization areas; install return pumps to allow the reuse of blast furnace cooling water; evaluate the use of a filter to capture metals from dross and refinery granulation wastewater, and if feasible, install the filter; perform extensive sampling and analysis of surface water, and develop plans to manage surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plan (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Brushy Creek Mine/Mill, Highway KK, Boss, Mo. - Enclose lead concentrate handling and loading areas under negative pressure to reduce lead emissions to air; perform extensive sampling and analysis of underground and surface water, and develop plans to manage underground and surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plan (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Fletcher Mine/Mill, Highway TT, Centerville, Mo. - Perform stream mitigation activities along 8.5 miles of Bee Fork Creek to address negative impacts of mining and milling operations; enclose lead concentrate handling and loading areas under negative pressure to reduce lead emissions to air; perform extensive sampling and analysis of underground and surface water, and develop plans to manage underground and surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plan (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Glover Facility, Highway 49 North, Annapolis, Mo. - Prepare report evaluating the effectiveness of reagents used at its wastewater treatment plant and implement any recommended changes; evaluate use of sodium sulfide to reduce thallium in the wastewater treatment system and implement any recommended changes; perform extensive sampling and analysis of surface water, and develop plans to manage surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plan (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Sweetwater Mine/Mill, Ellington, Mo. - Enclose lead concentrate handling and loading areas under negative pressure to reduce lead emissions to air; perform extensive sampling and analysis of underground and surface water, and develop plans to manage underground and surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plan (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Viburnum Mine #35 (Casteel), Highway 32, Bixby, Mo. - Perform extensive sampling and analysis of underground and surface water, and develop plans to manage underground and surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plans (SWPPP) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

Viburnum Mine/Mill, Viburnum, Mo. - Perform extensive sampling and analysis of underground and surface water, and develop plans to manage underground and surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plans (SWPPPs) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.

West Fork Mine/Mill, Highway KK, Bunker, Mo. - Remove and replace substrate in the north biocell of the wastewater treatment plant and eliminate the discharge from the domestic wastewater treatment unit; perform extensive sampling and analysis of underground and surface water, and develop plans to manage underground and surface water to reduce pollution in wastewater; prepare and implement Stormwater Pollution Prevention Plans (SWPPPs) within six months; agree to an expedited process for resolving issues with the State of Missouri over National Pollution Discharge Elimination System (NPDES) permit.