Hudson County Chromate – Publicly Funded Sites
Various Locations Jersey & Bayonne Cities
Essex & Hudson Counties
BLOCK: Various **LOT:** Various

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SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:
NJDEP has identified approximately 180 sites in Hudson and Essex Counties that were contaminated with chromite ore processing residue, also known as chromate waste. The waste resulted from extracting chromium from chromite ore at three chromium processing facilities in Hudson County. The facilities, which are no longer in operation, used the waste as fill at residential, commercial and industrial properties. It is estimated that two million tons of chromate waste were disposed of in this manner. The Potentially Responsible Parties have completely remediated 36 residences by excavating the chromium-contaminated soil and disposing of it at a hazardous waste landfill. The Potentially Responsible Parties have also completed cleanups at 21 nonresidential sites and are in the process of addressing contamination at 71 other nonresidential sites. NJDEP's Remedial Response Element is conducting Remedial Investigations and Remedial Action Selections (RI/RAS) at the remaining 53 properties to delineate the chromium contamination and evaluate cleanup alternatives. These include 29 sites for which no responsible parties have been identified, known as the Orphan sites, and 24 sites known as Allied Directive sites that NJDEP believes are the responsibility of AlliedSignal Inc. The company has denied responsibility for these sites. Various Interim Remedial Measures (IRMs) have been conducted at these sites by NJDEP, including capping 16 sites and fencing nine others. NJDEP began the RI work on the Allied Directive sites in 1994 and on the Orphan sites in 1997. The RI work consists of soil, sediment, surface water, ground water, biota and building sampling and analysis. NJDEP will use the findings of the RI/RAS to select final remedial actions for the sites.