



LIVERMORE INDUSTRIAL PLATING COMMUNITY INVOLVEMENT PLAN



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INTRODUCTION

The goal of this Community Involvement Plan (CIP) is to encourage and facilitate community engagement throughout the Livermore Industrial Plating Superfund site (Site) cleanup. The CIP describes how EPA will involve the community and address local needs during the Superfund process. The U.S. Environmental Protection Agency (EPA) and the community will work together by using the tools described in this plan. Active public involvement is crucial to the success of any

project. EPA's community involvement activities at the Site are designed to inform the public of all cleanup activities and include the community in the decision-making process.

EPA defines the "community" as those people and entities who have an interest in or are affected by the Site. EPA also recognizes that other stakeholders, including local, state, and federal agencies, may have an interest in the Site. This CIP is based on a series of communication with the affected community and stakeholders in accordance with EPA's Superfund community involvement and cleanup guidance. The CIP is a "living document," meaning that it can be updated or revised over the course of site cleanup to reflect long-term changes in the community.

Community Involvement at the Livermore Industrial Plating Superfund Site

Active and participatory community involvement is an important part of the cleanup process. It is also regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), also known as "Superfund." This CIP follows community involvement requirements in the Superfund Amendment and Reauthorization Act of 1986 (SARA) §117 and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) §300.430. EPA's Community Involvement Program is designed to facilitate participation of community members throughout the cleanup process, including the investigation phase and the remedy selection phase. EPA works closely with state and local agencies to provide community involvement throughout the Superfund process.

THE COMMUNITY

Site Overview

The Site is located at 407 7th Street in Livermore, McLean County, Kentucky 42352. The Site was formerly owned and operated by Livermore Industrial Plating, also known as Livermore Brass & Silver Shop, Inc. Livermore Industrial Plating conducted metal plating operations at the Site from about 1992 until 2018. The facility used an electroplating process to plate metal parts for the automotive and commercial/industrial equipment industries. The Site includes, but is not limited to, a warehouse, a plating conveyor system, a wastewater processing unit, two plating vats, chemicals, and spent plating solutions associated with the former operations. The metal plating operations were performed within two connecting metal warehouse structures. Operations stopped around 2018 when Livermore Industrial Plating's former owner became ill. From 2018 until 2021, the Kentucky Department of Environmental Protection (KY DEP) performed multiple inspections to evaluate the regulatory status of the Site.

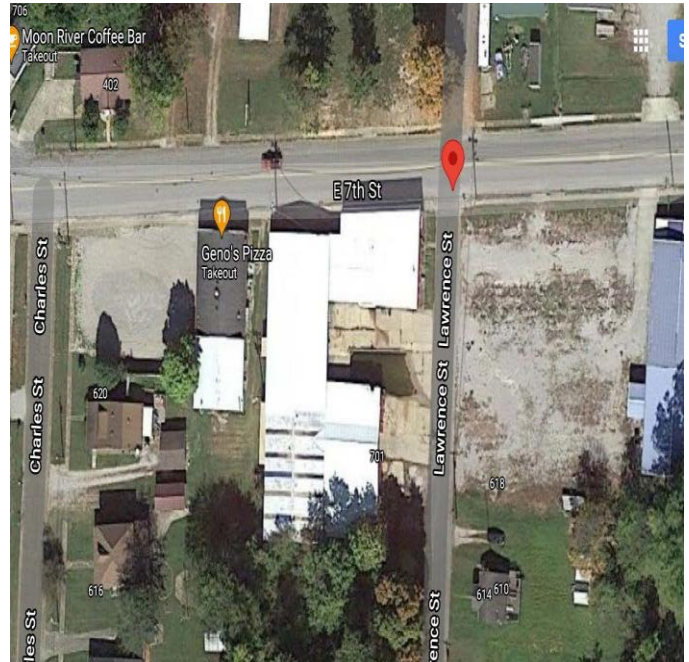
With these inspections, KY DEP worked with Livermore Industrial Plating and/or its owner to encourage the Site's owner/operator to remove the chemicals and plating solutions from the Site. In 2021, KY DEP referred the Site to the U.S. Environmental Protection Agency on February 25, 2021, for evaluation of a time-critical removal action. All previous actions performed by regulatory agencies have consisted of inspections and/or assessments.

Sewer and electrical services have been cut off for this facility. There is no information available that would suggest cutting off these services were associated with any environmental regulatory issues at this Site. Information provided in the KY DEP referral request documented the presence of spent plating solution in vats, a floor sump filled with unknown liquid, a wastewater treatment unit containing untreated wastewater, and many 55-gallon drums and plastic bags containing chemicals associated with metal plating operations.

As part of the Removal Site Evaluation (RSE), a Site Inspection was performed on March 23, 2021, by the EPA's On-Scene Coordinator (OSC). The son of the former owner of Livermore Industrial Plating and staff from KY DEP's emergency response group were present during this Site Inspection. Multiple containers were present throughout the facility including 46 count 55-gallon drums, 38 count 5-gallon poly buckets, three 3000-pound supersacks, and multiple odd-size containers of liquid and soil material. According to the son of the former owner of Livermore Industrial Plating, many of the containers were labeled, and their contents matched their labels. According to the labels, contents in the containers included nickel chloride, acid copper plating solution, nickel carbonate, ammonium bifluoride, nickel sulfate, zinc chloride, commercial grade hydrogen peroxide, sulfuric acid, nitric acid, Pavchrome (hexavalent chromium solution), and spent plating solution from a plating vat.

Sections of the roof covering the western section of the building were missing, and the containers were unprotected from the weather. The son of the former owner of Livermore Industrial Plating stated that there have been multiple trespassers breaking into the locked building, vandalizing, and stealing items from the Site.

On April 26, 2021, the EPA performed a RSE sampling investigation to assess the contents of the containers. The data from the sampling event were used to confirm the correctness of container labels in relation to their contents while also



Livermore Industrial Plating Site

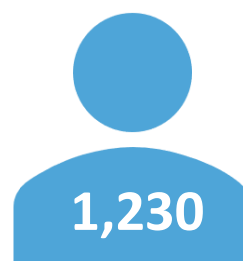
evaluating for the presence of hazardous waste. The laboratory analysis results of the samples documented the presence of hexavalent chromium, nickel sulfate, nickel chloride and ammonium fluoride, consistent with the labels present on the containers. These chemicals, which were initially used as raw plating ingredients, are present in undiluted, high concentrations and are all hazardous substances.

In January 2022, EPA started the removal of the materials from the drums, vats, and containers. EPA categorized all the materials based on their level of hazard. Liquid waste was treated to the greatest possible extent prior to its transportation to an off-site location. The Site's removal is planned to be completed by July 2022.

About the Community

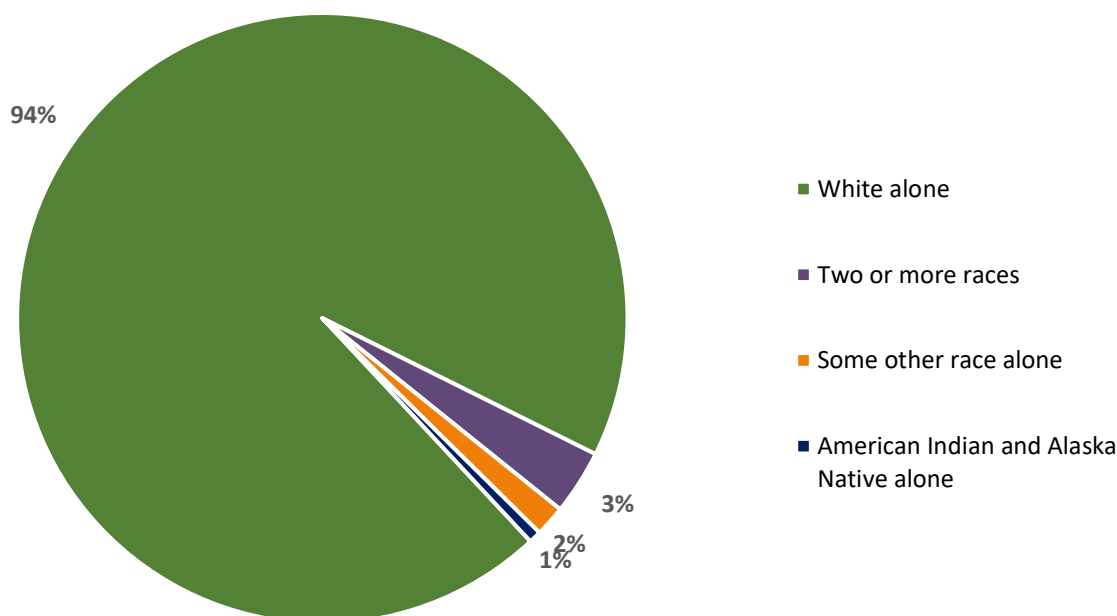
The Site is located within an area of mixed residential and commercial properties. Residential properties border the Site on the north, east and south. To the west is a commercial property housing a restaurant. The Site is comprised of approximately 0.5 acres. Most of the property is enclosed within the footprint of the building that housed the former metal plating operation.

According to census.gov, Livermore has a population of 1,230 individuals. The population is about 94% White, 3% two or more races, 2% some other race, and 1% American Indian and Alaskan Native. The median household income of \$28,000.



Livermore, Kentucky
www.census.gov (2021)

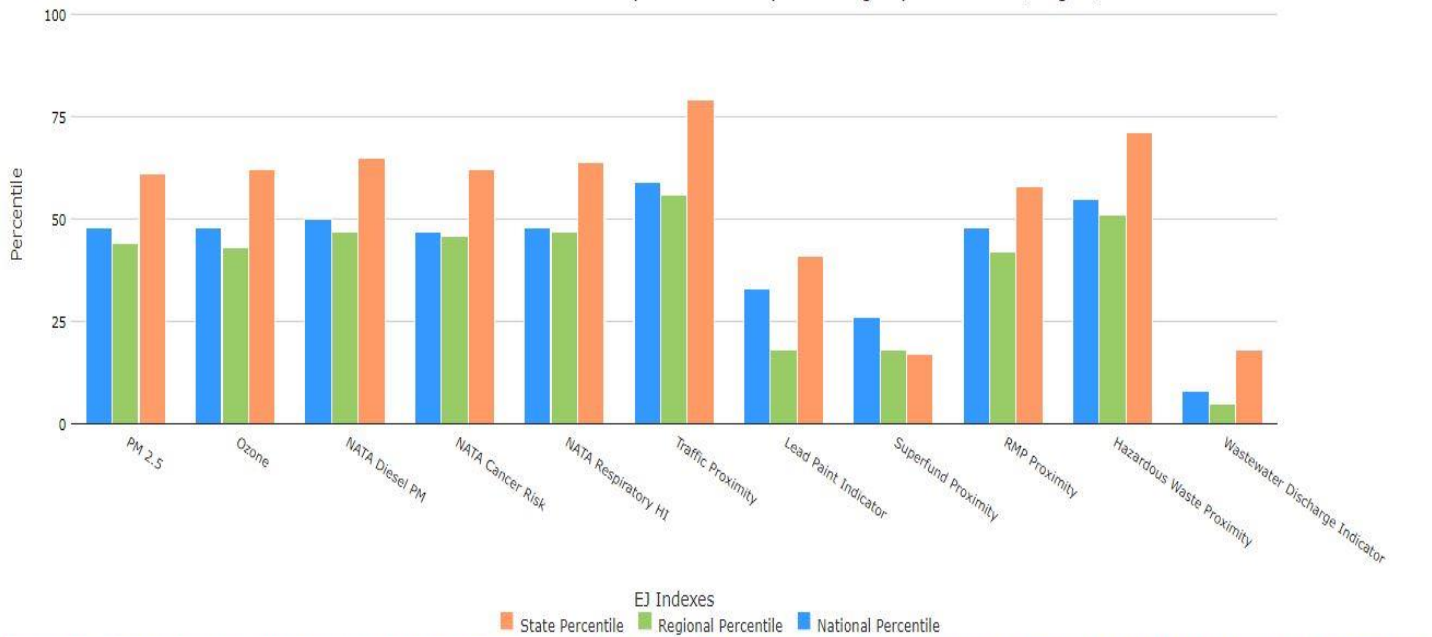
Race Breakdown - Livermore, Kentucky
2020 Decennials Census (data.census.gov)



EJSCREEN

EJSCREEN is an environmental justice mapping and screening tool. It uses environmental indicators for a community to show potential exposures and demographic factors to show potential susceptibility. An EJSCREEN analysis for the Site in 2021 found environmental justice concerns in the surrounding community; 0 of the 11 indicators were at the 80th percentile or above compared to the rest of the state.

EJ Index for the Selected Area Compared to All People's Blockgroups in the State/Region/US



EJSCREEN Quick Facts

To summarize how environmental indicators and demographics come together in the same location, EJSCREEN uses EJ Indexes. EJSCREEN has 11 EJ Indexes that reflect the 11 environmental indicators below. In the EJ Indexes, environmental indicators are combined with information about the low-income and minority population in a Census block group. EJSCREEN presents results in terms of percentiles, allowing the community to be compared to the rest of the state, EPA Region or nation.

- National Scale Air Toxics Assessment Air Toxics Cancer Risk
- National Scale Air Toxics Assessment Respiratory Hazard Index
- National Scale Air Toxics Assessment Diesel Particulate Matter (DPM)
- Particulate Matter (PM2.5)
- Ozone
- Lead Paint Indicator
- Traffic Proximity and Volume
- Proximity to Risk Management Plan Sites
- Proximity to Treatment Storage and Disposal Facilities
- Proximity to National Priorities List (NPL) Sites
- Wastewater Discharge Indicator

Our Partners

EPA partners with the Kentucky Department of Environmental Protection (KY DEP) to address environmental concerns within the State of Kentucky. EPA has also communicated with elected officials about the status of the Site.

Key Contacts

EPA Contacts

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KY DEP Partner Contacts

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Elected Officials

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Elected Officials

For more information on elected officials for this Site, please visit the websites listed below.

- U.S. House of Representatives. Visit www.house.gov/representatives/find-your-representative for contact information for your current congressional representative.
- U.S. Senate. Visit www.senate.gov/senators for contact information for your current U.S. senators.
- State House/Assembly. Visit <https://legislature.ky.gov/Legislators/house-of-representatives> for contact information for your current representative.
- State Senate. Visit <https://legislature.ky.gov/Legislators/senate> for contact information for your current senator.

Overview of the CIP Process

The community involvement program is designed to meet the community's need to know, give information in a timely manner, and accommodate the community's interests and its willingness to participate in the decision-making processes.

Community Issues and Concerns

The OSC has been in contact with the KY DEP, the former site employee, the waste water treatment plant manager (sewer), fire department, and the mayor to communicate the Site status. There is a small residential community with little community concern aside from the state and local government updates regarding the status of the Site. The OSC will continue to communicate with KY DEP and the local government with any updates for the completion of the Site's cleanup.

Contaminants of Concern

Nickel chloride, ammonium bifluoride, nickel sulfate, zinc chloride, sulfuric acid, and nitric acid are hazardous substances are considered contaminants of concern (COCs) at the Site. COCs are chemicals that need to be addressed by a cleanup action because they pose a potential threat to human health or the environment. These substances are present in undiluted concentrations in drums, a wastewater processing unit and collection sump, and two plating vats within the warehouse structures. Observations made by the OSC during the March 23, 2021, Site Inspection document the threat of a release of hazardous substances to the environment at the Site.

The Centers for Disease Control and Prevention's Agency for Toxic Substances and Disease Registry (ATSDR) has a series of summaries about contaminants called ToxFAQs. You can find ToxFAQs at www.atsdr.cdc.gov/toxfaqs. For more information on contaminants at Superfund sites, please visit: www.epa.gov/superfund/contaminants-superfund-sites.

THE COMMUNITY INVOLVEMENT ACTION PLAN

Introduction to the Action Plan

The overall goal of EPA's community involvement program is to promote two-way communication between citizens and EPA and to provide opportunities for meaningful and active involvement by the community in the cleanup process. EPA will implement the community involvement activities described below. The following plan is based on the results of the community interviews described earlier.

Community Involvement Objectives

EPA seeks to inform interested parties from the community about Site conditions and looks for ways to actively involve these individuals in decision making.

Ongoing Communication

EPA will continue to work with KY DEP and the mayor to ensure that any important updates or information regarding the Site are shared directly with the public.

Web Page

EPA will continue to maintain a web page specifically for the Livermore Industrial Plating Superfund site. For past, current, and future updates on the Site, please visit: <https://response.epa.gov/LivermorePlating>.

The web page will:

- Provide an overview and history of the Site and EPA's involvement.
- Share site-related reports and documents with the public as they become available.
- Provide links to additional site-related resources.

EPA also has other web pages available for information about the Superfund program and Region 4:

- EPA Region 4: <https://www.epa.gov/superfund>
- Superfund Community Involvement: www.epa.gov/superfund/superfund-community-involvement

Other organizations with web pages that provide information about the Site include:

- KY DEP <https://eec.ky.gov/Environmental-Protection/Pages/default.aspx>
- Livermore City: <http://www.cityoflivermore.info/>

Local Media Outlets

EPA may provide updates and information to local newspapers and radio and television stations and ask them to report on site-related issues. EPA staff will be available for interviews and will respond to media inquiries in a timely fashion.

EPA may include the following media outlets as part of outreach and information delivery efforts.



Newspapers

McLean County News
www.messenger-inquirer.com/mclean_county/



Radio stations

WBKR 92.5
<https://wbkr.com/>

WEKV 101.9
www.klove.com/



Television stations

WFIE CHANNEL 14 NEWS
www.14news.com/

WEVV 44NEWS
www.wevv.com/

Briefings with Local Officials

EPA staff may brief Mayor Johnson upon their request for information or in correspondence with relevant site information.

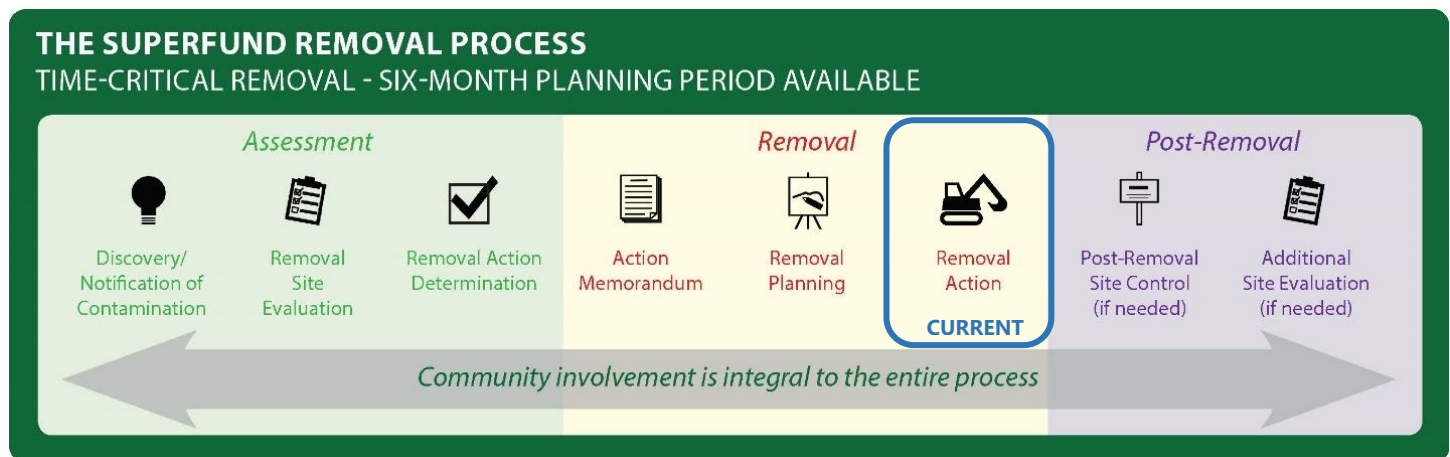
APPENDICES

Superfund Removal Process

Removal responses are common at Superfund sites when the contamination poses an immediate threat to human health and the environment. Removal actions tend to be swift responses to immediate threats from hazardous substances, pollutants, or contaminants to eliminate dangers to the public. Removals are classified as either emergency, time-critical or non-time-critical, depending on the extent and type of contamination.

Superfund Removal Process – Time-Critical Removal

Time-critical removals are situations where EPA determines that a removal is appropriate and on-site removal activities must begin within six months. Examples include removal of drums or small volumes of contaminated soil and stabilization of lagoons. The following section describes the general steps in a time-critical removal.



Assessment

After the contamination is discovered, EPA evaluates if the site poses a threat to people and the environment and whether hazards need to be addressed immediately or additional site information will be collected.

Removal

The Action Memorandum describes the cleanup method chosen for the site and the reasons for the selection. Removal planning is the phase during which the plans for removal are designed, and then removal action begins.

Post-Removal

After the removal action, site controls are implemented to protect human health and the environment if needed. Additional site evaluation may take place to determine whether further action is needed.

Site Reuse and Redevelopment

EPA's goal is to make sure site cleanup is consistent with its likely future use. Consideration of reuse at a site can occur at any point in the Superfund cleanup process, from investigation activities to deletion from the NPL.

Community Involvement During Reuse and Redevelopment

EPA works with local governments, community organizations, businesses, residents, and partners to consider the reuse of Superfund sites. Reuse planning enhances community engagement during Superfund cleanups by proactively including communities in the decision-making process.

Community Involvement Plan Community/Stakeholder Interview Questionnaire

EPA used the following questions when conducting community interviews about the Site. The responses from these questions informed the Community Issues and Concerns section of this CIP.

About the Site

1. What do you know about the Livermore Industrial Plating?
2. Do you have any concerns about the cleanup work taking place at the study area?
3. If you have concerns about the Site, what are they?

Communication Preferences

4. How would you describe your experience communicating with site team members?

Outreach and Education

5. What kind of site information would you like to receive?
(Examples: topics relevant to the Site, such as lead, health concerns, sampling progress, cleanup timelines)

Wrap-Up Questions

6. Is there anything else you would like to share with us?
7. Would you like to receive a hard copy of the Community Involvement Plan or have a hard copy available at the local information repository?

Contact Information

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Acronyms and Abbreviations

| | | | |
|---------------|---|------------|--|
| CIP | Community Involvement Plan | NCP | National Oil and Hazardous Substances Pollution Contingency Plan |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | OSC | On-Scene Coordinator |
| COCs | Contaminants of Concern | RSE | Removal Site Evaluation |

EPA United States Environmental Protection
Agency

SARA Superfund Amendment and Reauthorization
Act of 1986

KY DEP Kentucky Department of Environmental
Protection

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<https://response.epa.gov/LivermorePlating>

