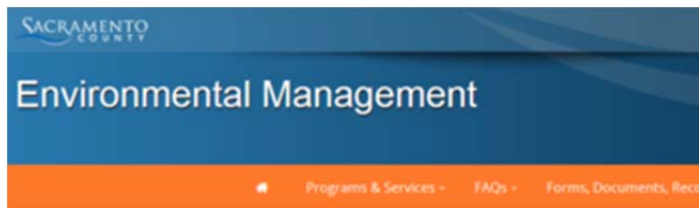




## Sacramento County Environmental Management Department

# Mangan Park Community Update



## Mangan Park Lead Cleanup Project Information Webpage

Sacramento County Environmental Management Department (EMD) has created a Mangan Park Lead Cleanup Project Information Webpage that contains background information, monthly newsletters, compliance orders, work plans, resource links, and EMD contact information.

You can access the webpage from [www.EMD.SacCounty.net](http://www.EMD.SacCounty.net) in the EMD Latest News and Information section.

## Neighborhood Background Lead Levels



Although there is a lead cleanup underway at the facility in Mangan Park, it is important to know that soil in your neighborhood is likely to contain lead from other natural and man-made sources.

There are two major sources of lead contamination in suburban soil:

1. Chips of lead-based paint from older homes mixing with the soil; and
2. Lead from auto emissions.

These sources contribute to what is sometimes called the "man-made background concentration" of lead in soil.

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## CLEANUP OVERSIGHT

The Sacramento County Environmental Management Department (EMD) has been given delegation authority from the California Department of Toxic Substances Control (DTSC) to oversee lead clean-up efforts as a result of a release of lead from the City of Sacramento Mangan Park Rifle and Pistol Range.

## LEARN ABOUT LEAD

- Lead is a metal that occurs naturally in the soil; is added to some products; and is most dangerous when ingested.
- Lead poisoning is a serious disease and in children can cause learning disabilities, behavioral problems, mental retardation, stunted growth, and other

Numerous studies conducted in other urban and suburban areas have shown that soil lead levels are often high within several feet of building foundations and streets. Although lead in paint and gasoline is not presently used to any great extent, once lead has been deposited, it moves very little through the soil and can persist for a long time. Therefore, lead contamination of soil from these sources continues to be a concern in some communities.

The City's consultants, working with our office and the Air Quality Management District (AQMD), will be conducting environmental investigations to evaluate the presence of (1) "man-made background" lead that is characteristic of the Mangan Park neighborhood; and (2) lead dust from the Pistol and Rifle Range that is not characteristic of the Mangan Park neighborhood. Through these investigations, it can be better determined if and where lead dust from the Pistol and Rifle Range has traveled. The consultants will conduct additional sampling, as necessary, by following the direction of these scientific findings.

## Cleanup Progress

In May, the City's consultants took samples from: the building's entrance and around the building; sidewalks by the building and across the street; and to the south and west of the facility. EMD received these sampling results and reviewed the two work plans submitted by the City's cleanup contractor, PARC Specialty.

The first two work plans that were approved by EMD identified how lead dust inside the building would be prevented from migrating outside and the measures that would be taken to encapsulate the surfaces on the outside of the building. The plans included a building entrance and exit strategy, personnel protective equipment and decontamination procedures, emergency plan, and approved hazardous waste disposal methods.

On June 3-5, PARC Specialty, sealed the roof vents and removed loose lead-contaminated debris from the roof top and applied two coats of fiber adhesive for lead encapsulation to the entire roof. Additionally, PARC cleaned the front door of the building, entry sidewalk, and the bullet trap door. Waste materials collected were disposed of in 55 gallon drums in accordance with plan specifications. After the work was completed an independent consultant, Entek, performed confirmation testing of PARC's work. The exterior of the building was also assessed by collecting additional wipe samples from the building walls, rear sidewalk, and landscape curbing.

Toward the end of May, the City submitted a site characterization work plan prepared by their consultant, Stantec. The work plan was divided into two tasks. Task 1 proposes systematic and comprehensive sampling of approximately three acres of park land around the Mangan Pistol and Rifle Range. It also includes investigation of the storm drain located in the parking lot south of the building. Task 2 consists of atmospheric modeling and a sequential evaluation of potential impacts to downwind properties. The workplan has undergone review by EMD, Department of Toxic Substance Control (DTSC), and AQMD. It was revised in accordance

symptoms. In adults, lead poisoning can cause memory loss, kidney damage and other symptoms.

- If your home was built before 1979, it likely was painted inside and out with lead-based paint that can flake over time.
- Currently, most lead poisoning in children is from accidentally ingesting lead-based paint dust and chips.
- Lead-based exterior paint can flake and accumulate in the soil around the outside of your home

## DIY LEAD TESTING KITS

Interested in doing your own lead testing at your house? To learn more about Lead Test Kits, visit, [www.EPA.gov/lead/lead-test-kits](http://www.EPA.gov/lead/lead-test-kits). Many local home improvement and paint stores carry easy-to-use and low cost lead testing kits in the paint section.

For additional information about lead testing kits, contact Debbie Katz, EMD Childhood Lead Program, 916-875-8448.

## SIGN UP TO RECEIVE THE NEWSLETTER ELECTRONICALLY

### EMAIL:

[ManganPark@SacCounty.net](mailto:ManganPark@SacCounty.net)

*\*\*\*Use "Newsletter" in the Subject Line*

## JUNE 16 COMMUNITY MEETING RECAP

The City of Sacramento hosted a community meeting on June 16 to report on

with comments provided by the three agencies. Based on the findings of Task 2, further sampling may be conducted. The revised work plan was re-submitted to EMD and was approved on June 22.

Stantec is also preparing a work plan to remove the known contaminated soil and clean or remove the sidewalks, driveways, parking areas around the building. In developing the removal work plan, Stantec conducted additional soil testing to define the extent of the soil contamination around the building. Stantec and Entek will perform testing after the waste contractor performs the work to confirm that the area has been cleaned. The cleanup work around the building is expected to be completed by the end of July 2016.

## Upcoming Corrective Action Directive Submission Timeline

If the site characterization determines that contamination extends beyond the area immediately around the building the City will submit an additional cleanup plan for those areas by August 25, 2016. That plan will identify how the lead contamination in the soil will be cleaned, removed, or encapsulated to comply with State standards for lead.

## Limit Your Lead Exposure

- Wash hands after working/playing outdoors to reduce hand-to-mouth transfer of contaminated dust or soil. Wash hands before eating and at bedtime.
- Clean dusty surfaces with a wet mop or damp cloth and wash toys regularly.
- Run cold water through older plumbing and don't use hot tap water to make baby formula or for cooking.
- Prevent children from playing on soil by providing a sandbox that's covered when not in use and plant grass or cover bare soil with mulch.
- If growing food, use store-bought soil to grow food.
- Wash fruits/vegetables from the yard before eaten.
- Eat a healthy diet rich in calcium and iron which may help lower lead absorption.
- If your house has old paint, don't remove it by sanding. Instead, use newer paint products to paint over the surfaces or cover with paneling or drywall.
- Anyone can be affected by lead exposure, but young children are particularly vulnerable. If you have concerns about lead exposure, discuss it with your health care provider.

progress of the cleanup at the Mangan Park Pistol and Rifle Range. Councilmember Jay Schenirer welcomed community members and the media. Background information and overview on what's been accomplished and next steps was given by City of Sacramento Parks and Recreation Director Chris Conlin. Sacramento County Director of Nursing, Pamela Harris, shared what park users should know from a public health perspective and EMD provided an overview of the cleanup. The meeting was then opened for questions.

## CONTACTS

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