



Proposed Plan for Fox Road, Snake Road, and Taylor Road Burning Grounds

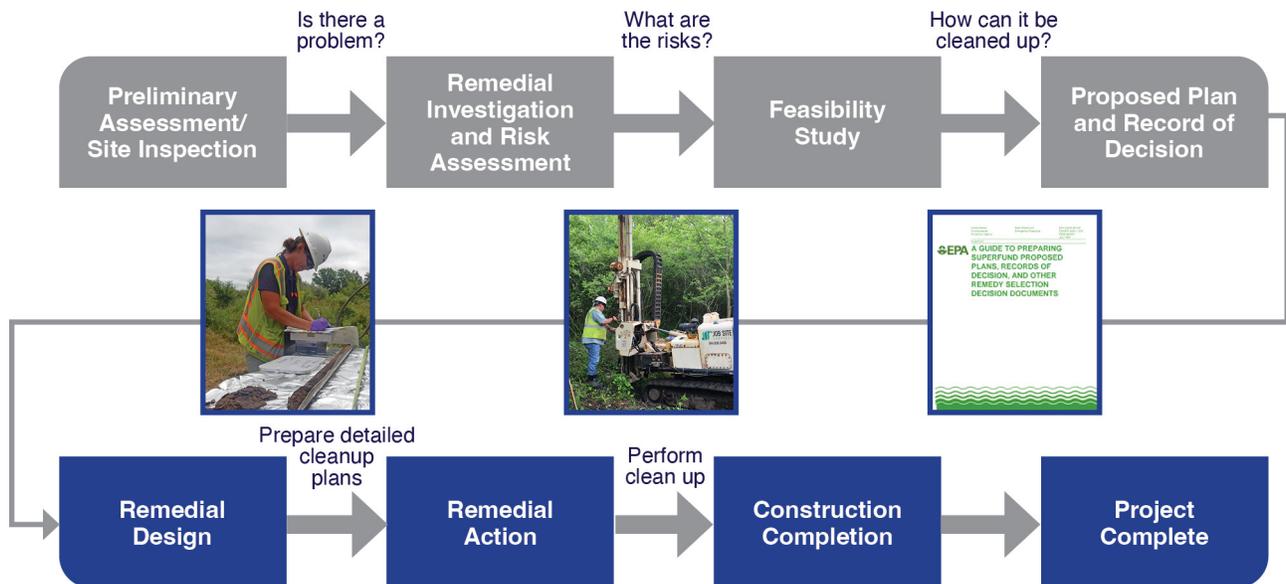
Site Background

NASA has investigated three former burning ground sites at NASA's Neil Armstrong Test Facility in Sandusky, Ohio: Fox Road Burning Ground, Snake Road Burning Ground and Taylor Road Burning Ground.

These areas are being addressed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) regulatory program and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), which outline processes for evaluating and restoring contaminated sites. CERCLA, commonly known as Superfund, was established by Congress in 1980 to respond to environmental conditions that may pose a threat to human health, welfare, and the environment.

Timeline

- **1991:** NASA began assessing environmental conditions at the former burning ground sites.
- **1992, 1994, 2015:** Three additional inspections found no sediment or surface water at the sites.
- **2017:** An investigation determined that there were no unacceptable risks associated with soil at Fox Road Burning Ground. However, risk assessments showed that five locations at Snake Road Burning Ground (due to metals, explosives, and Polychlorinated Biphenyls or PCBs) and three locations at Taylor Road Burning Ground (due to PCBs) required soil cleanup to protect human health or the environment. Additionally, asbestos was detected at all three sites.
- **2022:** Another investigation found that no further action was needed to clean up groundwater at the sites.



CERCLA Actions at Fox Road, Snake Road, and Taylor Road Burning Grounds

NASA completed a feasibility study after the environmental investigations, human health risk assessments and ecological risk assessments. The study identified cleanup objectives and examined potential alternatives for soil cleanup. NASA used the findings of the study to create the Proposed Plan.

Proposed Plan

The Proposed Plan provides background information on the sites and summarizes the two cleanup alternatives under consideration. The primary goal of the plan is to identify the preferred alternative and the rationale for that choice. It also provides the public with information necessary to review and comment on NASA's selection of cleanup alternative.

Alternative 1: No Action – This alternative is required under the NCP and is a baseline used to compare other cleanup alternatives. This alternative assumes all current actions (e.g., access restrictions and environmental monitoring) will be stopped, and no future actions will take place to protect human health or the environment. Contaminants at Snake Road Burning Ground and Taylor Road Burning Ground as well as detectable asbestos at all three sites would not be removed or treated under this alternative.

Alternative 2: Excavation and Offsite Disposal - Based on available information, NASA's preferred cleanup alternative for the burning grounds is excavation and offsite disposal. This alternative would protect human health and the environment and would involve removing and disposing of:

- asbestos in soil at Fox Road Burning Ground
- asbestos, metals (silver, cadmium, lead and mercury), PCBs (PCB-1248, PCB-1254 and PCB-1260) and explosives (2,6-dinitrotoluene) contamination in soil at Snake Road Burning Ground
- asbestos and PCBs (PCB-1254 and PCB-1260) contamination in soil at Taylor Road Burning Ground

This alternative proposes shipping contaminated soil to an approved off-site engineered landfill. The estimated cost of Alternative 2 is \$3,233,451.

Public Participation

NASA encourages public input to ensure the cleanup alternative selected for the three burning ground sites meets the needs of the local community and is an effective solution to the problem.

NASA encourages the public to review the site background documents to gain a more comprehensive understanding of the activities conducted to date and the rationale for the preferred alternative. These documents are available online at <https://www1.grc.nasa.gov/neil-armstrong-test-facility-restoration/> and copies are at the Bowling Green State University Firelands Library at One University Drive, Huron, OH.

Written comments may be submitted to NASA at any time during the 30-day period from Feb. 28 through March 29, 2023. Oral comments will be recorded during the March 9 public meeting. NASA will respond to all significant comments and will consider them when selecting a final remedy. The final remedy will be outlined in the Record of Decision, which will be finalized later in 2023.

You are invited!

NASA invites the public to attend a meeting to discuss the Proposed Plan for cleaning up soil located at the former Fox Road, Snake Road, and Taylor Road Burning Grounds at NASA's Neil Armstrong Test Facility in Sandusky, Ohio.

Please join us **March 9, 2023, at 7 p.m.** at Bowling Green State University Firelands Campus, Cedar Point Center Building, Room 1009, One University Drive, Huron, OH 44839. Your comments on the cleanup alternative described in the Proposed Plan are welcome. The public comment period is from Feb. 28 through March 29, 2023. Written comments may be submitted electronically to GRC-Restoration@mail.nasa.gov or by mail to: NASA Glenn Research Center, Environmental Management Office, 21000 Brookpark Road, MS 6-7, Cleveland, OH 44135. All comments must be submitted by March 29, 2023. Please call 216-433-6028 if you require assistance to participate.

You can read the Proposed Plan on NASA's website at <https://www1.grc.nasa.gov/neil-armstrong-test-facility-restoration/>, or copies are available at the Bowling Green State University Firelands Library at One University Drive, Huron, OH.