



UPDATED FACT SHEET, MAY 2014
Time Critical Removal Action
Former Naval Station Puget Sound, Sand Point
Seattle, Washington (Magnuson Park)

Introduction

The U.S. Department of the Navy (Navy) is continuing a cleanup of low-level radiological contamination from past releases at the former Naval Station Puget Sound, Sand Point, located in Seattle (Magnuson Park). In May 2013, just prior to initiating the Time Critical Remedial Action (TCRA) field work, a Fact Sheet was distributed to the public, which provided a brief history of the site (see Figure 1), a discussion of the proposed actions, and the anticipated schedule. This update provides a summary of the work completed, findings discovered during the TCRA fieldwork, anticipated future actions, and the projected schedule for completion.

The Navy is conducting cleanup primarily to address residual radium-226 (Ra-226) contamination, and to a much lesser extent strontium-90 (Sr-90) and cesium-137 (Cs-137). These contaminants were found during a 2010 investigation of the Building 27 South Shed, Building 2, and areas outside of Buildings 2, 12, and 27. The low-level radiological contamination originated from past Navy maintenance operations on military aircraft instruments painted with “glow in the dark” paint.

The fieldwork began in July 2013. The project team includes representatives from the Navy, Washington State Department of Ecology (Ecology), Washington State Department of Health (Health), and the City of Seattle Parks Department. The work plans were reviewed by the project team prior to starting the fieldwork. To ensure public safety, measures such as fencing, signage, and air monitoring have been and will continue to be in place for the duration of the project.

The project is divided into three main areas: Building 27, Building 2, and other outside areas.

Fieldwork completed to date and supporting data are under review by Ecology and Health.

Building 27

The interior components of the Building 27 South Shed have been removed, including debris, furniture, interior walls, flooring, ceiling, duct work, and piping. The materials removed were either surveyed and released in accordance with the project work plan or controlled and disposed of as low-level radiological waste (LLRW). Additionally, the rooftop air handling unit has been removed. The first floor, southeast and southwest stair towers are currently being remediated. Final radiological status surveys will be conducted on remaining walls, joists, and the concrete floor of the South Shed, and in the southeast and southwest stair towers of Building 27. Once the survey data demonstrate that no radiological contamination exceeding project cleanup levels remains, the South Shed of Building 27 will be demolished. Demolition is currently projected for late summer 2014.

The majority of the remediation of the outside areas to the south and west of Building 27 has been completed, including removal of the catch basins (CB-1, CB-2, and CB-3), removal of the storm drain line connecting these three catch basins located south of Building 27, and removal of the storm drain line to a manhole (MH-141) west of Building 27. Soil containing low-level Ra-226 exceeding project cleanup levels was removed from these areas and from other areas located south and west of Building 27. Remediation near the Building 27 former quarterdeck area and the area under the electrical panel is scheduled to be completed in June 2014. Once the remaining remediation is completed and the South Shed is demolished, the storm drain lines and catch basins will be replaced with new infrastructure.

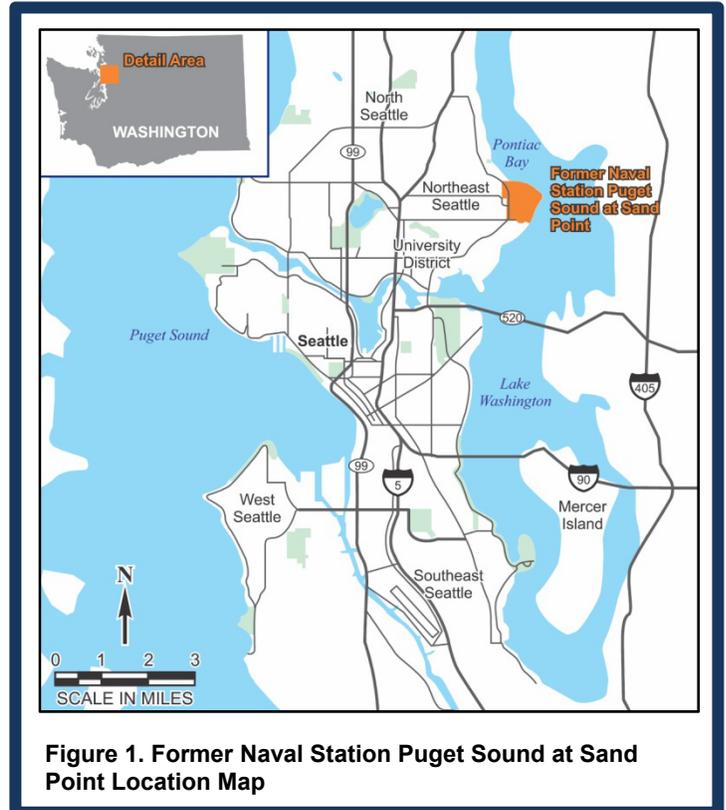


Figure 1. Former Naval Station Puget Sound at Sand Point Location Map

Building 2

The remediation on the second floor of Building 2 is complete. Remediation and removal of the former 1941 Instrument Shop pipe located under the first floor concrete is the only remaining work inside of Building 2. Excavation of portions of the pipe indicates it passes east under the floor and then north to Manhole 115 (MH-115) located outside of the northeast corner of Building 2. Originally it was thought the pipe went west to MH-134. This pipe is being investigated for further project action.

Other Outside Areas

Besides the outside area south and west of Building 27, five areas found to contain Ra-226 exceeding project cleanup levels were excavated. Two are south and east of Building 2. Two are north and northeast of Building 12 and one is northwest of the NOAA overpass (see Figure 2). The results of soil samples collected from these areas after excavation show that radium concentrations are below cleanup criteria.

Soil and Material Disposal

Building materials and excavated soil that exceeded project release criteria were placed in roll-off bins and stored in secure areas on-site to await shipment to appropriate disposal facilities. To date, approximately 100 bins have been transported for disposal as LLRW at a permitted facility in Grandview, Idaho.

Additional Future Actions

During development of the Work Plan for the fieldwork, the project team agreed on conservative release criteria for sediment (sludge) in pipes of 15 mrem/year. Accordingly, the project was expanded to include two manholes, MH-141 and MH-160, and associated storm drain lines. The larger storm drain lines are planned to be remediated by hydro-jetting. Water and sediment generated during the work will be collected in tanks, secured and tested prior to disposal. Smaller lines will be removed. This work is projected to begin summer 2014.

Schedule and More Information

The TCRA is projected to be complete fall 2014.

The Navy will continue to update their web page at <http://go.usa.gov/kQ6e> or http://www.navfac.navy.mil/navfac_worldwide/atlantic/fecs/northwest/about_us/northwest_documents.html on a weekly basis to keep the public apprised of the project.

Documents pertaining to this cleanup action can be found on the website or at the following locations:

- Northeast Branch of the Seattle Public Library at 6801 35th Ave N.E, in Seattle
- Naval Facilities Engineering Command Northwest offices at 1101 Tautog Circle in Silverdale by appointment (Please contact Ms. Cindy O'Hare for access at 360-396-0014.)

