STATE OF WASHINGTON
DEPARTMENT OF HEALTH
OFFICE OF RADIATION PROTECTION
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January 27, 2015

Mr. Ching-Pi Wang
Environmental Engineer 5
Washington State Department of Ecology
Toxics Cleanup Program
Northwest Regional Office
3190 - 160th Avenue SE
Bellevue, Washington 98008-5452

Dear Mr. Wang:

The Department of Health (DOH), Office of Radiation Protection has reviewed and approved all work plans for the radiological remediation of Buildings 2 and 27 located in the City of Seattle's Magnuson Park. This includes initial scoping and plans/procedures for the remediation work. This also includes radiological survey data provided by the remediation contractor Tetra Tech, Inc. This was done as part of the oversight of Tetra Tech's Radioactive Materials License, WN–L0244-1. Under this license, the DOH approved work to remediate portions of Buildings 2 and 27 where radium 226 contamination was found by a City of Seattle contractor in September 2009. Tetra Tech is contracted by the U.S. Navy, who is financially responsible for this remediation.

DOH reviewed the Building 2 radiological final status survey results performed by Tetra Tech. DOH then performed verification surveys on June 9-12, 2014 and again on July 14-17, 2014. All survey data were below regulatory limits set in the "average acceptable contamination levels" identified in WAC 246-232-140, Schedule D.

Building 2 is released for unrestricted use.

DOH also reviewed the radiological final status survey data Tetra Tech provided for Building 27 south shed and the associated stair towers. Building 27 south shed and stair towers were remediated for radiological contamination by Tetra Tech. The remediation was verified by DOH radiological surveys.

The initial DOH verification survey of the south shed was conducted on July 14-17, 2014. A second DOH verification survey was performed on August 4-7, 2014. This consisted of the south shed common north wall, the south wall, and all floors of the west stair tower and floors two, three, and four of the east stair tower. Both surveys identified several areas above both the average and maximum acceptable contamination levels identified in WAC 24-232-140, Schedule D.

Subsequent to our initial surveys in these areas, Tetra Tech performed remediation in the areas found to have higher than acceptable contamination levels. After remediation, Tetra Tech resurveyed and updated the final status survey data which were then provided to DOH. DOH also performed verification surveys on December 1-4, 2014. DOH verified that the mitigated and resurveyed areas on the common north wall, the east and west stair towers, and the north half of the east and west wall surfaces were all below the maximum acceptable contamination levels identified in WAC 246-232-140, Schedule D, with most areas below the average acceptable contamination levels. During our initial survey, levels on the south half of the east and west walls were found to be below the average acceptable contamination levels cited above.

In keeping with the regulatory standards, the south shed common north wall is released for unrestricted use. In addition, the east and west south shed walls, the east and west stair towers, the south shed roof, and the south wall 1.5 feet above the second floor boundary above the cubbies are released for unrestricted use as well. The remainder of the south wall must be disposed of as low level radioactive waste.

Thank you for the support provided by Washington State Department of Ecology during this process.

Sincerely,

Craig Lawrence, Manager
Radioactive Materials Section

cc: Chris Generous, Remedial Project Manager
Joseph T. Sevcik, Radiological Environmental Protection Manager
Eric Friedli, Acting Deputy Superintendent
Nina J (Jodi) Sinclair, Senior Environmental Analyst
Lee Boreen, Project Manager