

Central Waterfront Site - Final RI/FS Updates, March 2018

Final RI/FS Updates	Report
Text Updates	
Revised a portion of Section 2.1.2 (former Olivine Uplands Area) for language accuracy with historical information provided by Olivine Corporation.	Section 2.1.2
Revised language for UST#2 because the historical information provided by Olivine Corporation mentioned a UST used by OMC trucking company.	Section 2.3.1
Updated expected year of finalization of I&J Waterway CAP to 2018.	Section 2.4.2
Added language to clarify the basis for the most stringent criteria used to develop unrestricted land use soil screening levels for each subarea.	Section 4.2.2.1
Added language to clarify the basis for the most stringent criteria used to develop industrial soil screening levels for each subarea.	Section 4.2.2.2
Revised language to describe soil screening levels protective of sediment, applicable to the Site and to the Hilton Ave. Properties subarea specifically. Updated language on new nickel sediment CUL developed by the I&J Waterway site.	Section 4.2.2.3
Updated language on new nickel sediment CUL developed by the I&J Waterway site.	Section 4.2.4
Updated COC and Sources section to be consistent with revised Section 2.1.2 information (historical use/operations for Hilton Ave. Properties subarea).	Section 6.3.1
Updated the soil nature and extent of contamination section to be consistent with updated soil exceedances (based on revised cleanup levels for Hilton Ave. Properties subarea).	Section 6.3.2.1
Specified metals found in the Hilton Ave. Properties subarea.	Section 6.3.3
Specified contaminants impacting the Hilton Ave. Properties subarea.	Section 6.3.4
Removed reference to the Olivine processing facility and replaced with Hilton Ave. Properties subarea.	Section 6.3.5
Corrected "screening levels" to "cleanup levels".	Section 6.4
Updated Alternative A costs based on Hilton Ave. Properties subarea changes to capping area.	Section 9.3
Updated Alternative B costs based on Hilton Ave. Properties subarea changes to capping area.	Section 9.4
Updated Alternative C costs based on Hilton Ave. Properties subarea changes to capping area.	Section 9.5
Updated Alternative D costs based on Hilton Ave. Properties subarea changes to capping area.	Section 9.6
Updated Alternative E costs based on Hilton Ave. Properties subarea changes to capping area.	Section 9.7
Updated Alternative F costs based on Hilton Ave. Properties subarea changes to capping area.	Section 9.8
Updated alternative costs and benefit/cost ratio based on Hilton Ave. Properties subarea cost changes due to reduced capping area.	Section 10.3.4.7
Updated preferred alternative (Alt. A) costs based on Hilton Ave. Properties subarea cost changes due to reduced capping area.	Section 11.1
Table Updates	
Added unrestricted soil screening levels based on direct contact for Hilton Ave. Properties subarea. Added footnote i.	Table 4-2a
Added industrial soil screening levels based on direct contact for Hilton Ave. Properties subarea. Added footnote i.	Table 4-2b
Updated sediment screening levels for Ni, As, and Hg. Revised footnote d and added footnote f.	Table 4-4
Updated screening levels in Hilton Ave Properties (Olivine) soil results table and yellow-highlights for exceedances.	Table 6-10
Added soil cleanup levels for unrestricted land use, based on direct contact for Hilton Ave. Properties subarea. Revised note 1.	Table 7-5
Updated alternative cost summary for Hilton Ave. Properties subarea costs, based on changes to capping area.	Table 9-3
Updated DCA table for alternative costs based on Hilton Ave. Properties subarea cost changes (for reduced capping area).	Table 10-2

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Figure Updates	
Updated title in figure to say "Above Cleanup Levels".	Figure 6-4
Updated title in figure to say "Above Cleanup Levels".	Figure 6-5
Revised extent of cPAH contamination (no naphthalene impacts) in soil within the Olivine footprint of the Hilton Ave. Properties subarea. Updated title in figure to say "Above Cleanup Levels".	Figure 6-6
Revised extent of metals contamination (only As and Pb) in soil within the the Olivine footprint of the Hilton Ave. Properties subarea. Updated title in figure to say "Above Cleanup Levels".	Figure 6-7
Revised overall extent of contamination (COCs combined based on Figures 6-6 and 6-7) in soil within the the Olivine footprint of the Hilton Ave. Properties subarea.	Figure 6-10
Revised remediation area within the Olivine footprint of the Hilton Ave. Properties subarea. Added Launch Route footprint.	Figure 9-1
Revised remediation area within the Olivine footprint of the Hilton Ave. Properties subarea. Added Launch Route footprint.	Figure 9-2
Revised remediation area within the Olivine footprint of the Hilton Ave. Properties subarea. Added Launch Route footprint.	Figure 9-3
Revised remediation area within the Olivine footprint of the Hilton Ave. Properties subarea. Added Launch Route footprint.	Figure 9-4
Revised remediation area within the Olivine footprint of the Hilton Ave. Properties subarea. Added Launch Route footprint.	Figure 9-5
Revised remediation area within the Olivine footprint of the Hilton Ave. Properties subarea. Added Launch Route footprint.	Figure 9-6
Updated DCA figure for alternative costs based on Hilton Ave. Properties subarea cost changes (for reduced capping area).	Figure 10-1
Appendix Updates	
Revised cPAH exceedance figure based on new soil criteria.	App. E, Figure 7a
Revised naphthalene exceedance figure based on new soil criteria.	App. E, Figure 8a
Revised arsenic exceedance figure based on new soil criteria.	App. E, Figure 9a
Revised cadmium exceedance figure based on new soil criteria.	App. E, Figure 10a
Revised copper exceedance figure based on new soil criteria.	App. E, Figure 12a
Revised lead exceedance figure based on new soil criteria.	App. E, Figure 13a
Revised mercury exceedance figure based on new soil criteria.	App. E, Figure 14a
Revised nickel exceedance figure based on new soil criteria.	App. E, Figure 15a
Revised zinc exceedance figure based on new soil criteria.	App. E, Figure 16a
Updated capping areas/costs for Hilton Ave. Properties subarea.	App. I, Table 1
Updated remediation areas and existing covers for Hilton Ave. Properties subarea.	App. I, Table 2