

11.0 REFERENCES

Adolfson Associates, Inc. (Adolfson). 1996. Technical Memorandum on the Results of the 1995 Fish Consumption and Recreational Use Surveys, Amendment Number 1. April 19, 1996.

Adolfson, Walker Macy, Esther Lev, Winterowd, and Ecotrust. 2000. Willamette River Inventory: Natural Resources. Public Review Draft. Prepared for City of Portland Bureau of Planning, Portland, OR. Adolfson Associates Inc., Walker Macy, Esther Lev Environmental Consulting, Winterowd Planning Services, and Ecotrust, Portland, OR.

Allen, John Elliot. 1975. Volcanoes of the Portland Area, Oregon: State of Oregon, Department of Geology and Mineral Industries, The ORE-BIN, v.37, no.9, September, 1975

Alzieu C. 1998. Tributyltin: Case study of a chronic contaminant in the coastal environment. *Ocean Coast. Manag.* 40:23-36.

AINW. 2005. Cultural Resource Analysis Report for the Portland Harbor Superfund Site, Portland, Oregon. Draft. Report No. 1461. Prepared for the Lower Willamette Group, Portland, OR. Archaeological Investigations Northwest, Inc., Portland, OR. April 25, 2005.

AMEC. 2001. Draft Groundwater Transport Evaluation Data Needs Report, RPAC - Portland Site. Prepared for Aventis CropScience. AMEC Earth & Environmental, Inc., Portland, OR.

AMEC. 2002. Final Remaining Remedial Investigation Work Plan, RPAC - Portland Site. Prepared for Aventis CropScience. AMEC Earth & Environmental, Inc., Portland, OR. May 24, 2002.

AMEC. 2003. Outfall 22B: Remaining Remedial Investigation Technical Memorandum RPAC – Portland Site. WLCRPI04. AMEC Earth & Environmental, Inc., Portland, OR. February 4, 2003.

AMEC. 2004a. Remaining Remedial Investigation Technical Memorandum Addendum North Doane Lake Investigation RP – Portland Site. WLCRPI04. AMEC Earth & Environmental, Inc., Portland, OR. July 9, 2004.

AMEC. 2004b. Revised Expanded Preliminary Assessment and Site Inspection Work Plan. Submitted to Oregon Department of Environmental Quality, Portland, OR. AMEC Earth and Environmental, Inc., Portland, OR.

AMEC. 2005. Draft Outfall 22B Storm Sewer Sampling Report RP - Portland Site. WLCRPI04. AMEC Earth and Environmental, Inc., Portland, OR. March 24, 2005.

AMEC. 2007. June 2007 Storm Water Monitoring Report, GE Energy – Energy Services. WLCGED07. AMEC Earth and Environmental, Inc., Portland, OR. 2007.

AMEC. 2010a. Sediment Characterization Report ConocoPhillips Pipe Line Company Portland Terminal Marine Dock at River Mile 7.8, Portland, OR. WLCPWL08. AMEC Earth & Environmental Inc., Portland, OR. April, 2010.

AMEC. 2010b. RI/SCE Report, RP – Portland Site, Portland, Oregon. Prepared for Oregon Department of Environmental Quality. AMEC Earth & Environmental, Inc., Portland, Oregon. November 19, 2010.

Anchor. 2001. NW Natural “Gasco” Site, Draft Screening Level Nearshore Source Control Evaluation Results Report, Portland, OR. WLCGSD01. Anchor Environmental, L.L.C. July, 2001.

Anchor. 2003. Dredge Material Characterization Report Glacier Northwest Portland Cement Terminal Portland, Oregon. WLCGWF03. Anchor Environmental, L.L.C., Seattle, WA. July, 2003.

Anchor. 2004a. Sediment Stake Erosion/Accretion Monitoring Report, July 2002–January 2004, Portland Harbor RI/FS. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA.

Anchor. 2004b. Surface Sediment Verification Sampling Glacier Northwest Portland Cement Terminal, Portland, OR. WLCGWI04. Anchor Environmental LLC, Seattle, WA. November, 2004.

Anchor. 2005a. Natural Attenuation Evaluation Field Sampling Report, Appendix A Portland Harbor RI/FS Round 2A Subsurface Sediment Field Sampling Report. Draft. IC05-0002. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental LLC, Seattle, WA. January 10, 2005.

Anchor. 2005b. Portland Harbor RI/FS Draft Monitored Natural Recovery (MNR) Technical Memorandum - Step 2 Data Evaluation Methods. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental L.L.C., Seattle, WA. April 2005.

Anchor. 2006a. Portland Harbor RI/FS Round 3A Sediment Trap Deployment Field Report – Fall 2006. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. December, 2006.

Anchor. 2006b. Portland Harbor RI/FS Round 3A Field Sampling Plan - Sediment Traps. AE06-0003. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. August, 2006.

Anchor. 2006c. Final Phase 1 Field Sampling Approach GASCO Siltronic Groundwater Source Evaluation. Prepared for NW Natural, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. February, 2006.

Anchor. 2006d. Draft Removal Action Completion Report, NW Natural “Gasco” site Portland, OR. WLCGSG04. Anchor Environmental L.L.C., Seattle, WA. January, 2006.

Anchor. 2006e. Expanded Preliminary Assessment Summary Report - Galvanizers Company, Portland Oregon. Prepared for Galvanizers Company. Anchor Environmental, L.L.C, Seattle, WA. January, 2006.

Anchor. 2007a. Portland Harbor RI/FS Round 3A Sediment Trap Sampling Quarter 1 Field Report. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. April 16, 2007.

Anchor. 2007b. Portland Harbor RI/FS Round 3A Sediment Trap Sampling Quarter 2 Field Report. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. July, 2007.

Anchor. 2007c. Portland Harbor RI/FS Round 3A Sediment Trap Sampling Quarter 3 Field Report. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. October 20, 2007.

Anchor. 2007d. Phase I Report and Phase 2 Field Sampling Approach. Gasco Siltronic Groundwater Source Evaluation Portland, OR. WLCGSJ06. Anchor Environmental L.L.C., Seattle, WA. May, 2007.

Anchor. 2007e. Round 3A Monitored Natural Recovery Area Radioisotope Evaluation - Portland Harbor Superfund Site. Technical Memorandum from Ryan Barth and Carl Stivers, Anchor Environmental, L.L.C. to Gene Revelas and Nick Varnum, Integral Consulting, Inc. August 6, 2007.

Anchor. 2008a. Portland Harbor RI/FS Round 3A Sediment Trap Sampling Quarter 4 Field Report. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. January, 2008.

Anchor. 2008b. Portland Harbor RI/FS Sediment Chemical Mobility Testing Field Sampling Plan. Draft Final. AE08-03. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. June 13, 2008.

Anchor. 2008c. Portland Harbor RI/FS Side-Scan Sonar Field Sampling Plan. AE08-01. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA. April, 2008.

Anchor. 2008d. Offshore Investigation Report, NW Natural "Gasco" Site. WLCGSG07. Anchor Environmental, L.L.C., Seattle, WA. February, 2008.

Anchor. 2008e. Data Report: Sediment Characterization Results for Terminal 4 Phase I Removal Action, Preconstruction Sampling, Port of Portland (Appendix G). WLCT4G06. Anchor Environmental LLC, Seattle, WA. 2008.

Anchor. 2008f. Expanded Preliminary Assessment Monitoring Report, Fourth Quarter 2007 - Galvanizers Company, Portland, Oregon. Prepared for Galvanizers Company. Anchor Environmental, L.L.C., Seattle, WA. January, 2008.

Anchor QEA. 2009a. Portland Harbor RI/FS Lower Willamette River Sidescan Sonar Data Report. AE08-14. Prepared for the U.S. Environmental Protection Agency. Anchor QEA, LLC, Portland OR. May 15, 2009.

Anchor QEA. 2009b. Sediment Investigation Report Portland Gas Manufacturing Site, Portland, OR. WLLPGH09. Anchor QEA, LLC. December, 2009.

Anchor QEA. 2009c. Data Report Sediment Characterization Results for Terminal 4 Phase 1 Removal Action Post-Construction Sampling, Port of Portland, Portland, Oregon. WLCT4L08. Anchor QEA, August, 2009.

Anchor QEA. 2009d. Source Control Evaluation Report, McCall Oil and Chemical Site. Prepared for McCall Oil and Chemical Corporation, Portland, OR. Anchor QEA, LLC, Portland, OR. February, 2009.

Anchor and Integral. 2007a. Portland Harbor RI/FS Round 3A Upland Stormwater Sampling Field Sampling Report. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. November 30, 2007.

Anchor and Integral. 2007b. Portland Harbor RI/FS Round 3A Field Sampling Plan, Stormwater Sampling. Anchor Environmental, L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. March 1, 2007.

Anchor and Integral. 2007c. Portland Harbor RI/FS Round 3A Field Sampling Plan Addendum: Stormwater. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. November 9, 2007.

Anchor and Integral. 2007d. Portland Harbor RI/FS Round 3A Stormwater Sampling Rationale. Draft. Prepared for the Lower Willamette Group. Anchor Environmental L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. February 7, 2007.

Anchor and Integral. 2008a. Portland Harbor RI/FS Round 3A and 3B Stormwater Data Report. AE08-13. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. September 30, 2008.

Anchor and Integral. 2008b. Portland Harbor RI/FS Round 3B Upland Stormwater Sampling Field Sampling Report. AE08-07. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. June 13, 2008.

Anchor and Integral. 2008c. Portland Harbor RI/FS Round 3A In-River Sediment Trap Sampling Data Report. AE08-09. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. July 18, 2008.

Anchor and Integral. 2008d. Portland Harbor RI/FS Sediment Chemical Mobility Testing Field Sampling Report. Draft. AE08-16. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, L.L.C., Seattle, WA and Integral Consulting Inc., Mercer Island, WA. November 4, 2008.

Anchor and Texas A&M University. 2004. Portland Harbor RI/FS Final Natural Attenuation Technical Memorandum – Sedimentation Field Sampling Plan. Prepared for the Lower Willamette Group, Portland, OR. Anchor Environmental, LLC, Seattle, WA, and Texas A&M University, TX. September, 2004.

Anderson, J. 2006a. Personal communication (e-mail to N. Varnum, Integral, dated 2006 regarding status of Portland Harbor site investigations). Oregon Department of Environmental Quality, Portland, OR.

Anderson, J. 2006b. Personal communication (e-mail to N. Varnum, Integral, dated 2006 regarding status of Portland Harbor site investigations). Oregon Department of Environmental Quality, Portland, OR.

Anderson, B.A., M.A. Unger, and K.A. Moore. 2002. Fate of tributyltin in a created tidal wetland. *Environ. Toxicol. Chem.* 21(6):1176-1183.

Arcadis. 2009. Chevron Willbridge Terminal 2008/2009 Pre-Dredge Sediment Investigation, Portland, OR. WLCCWI08. Arcadis. August, 2009.

Arnold, C.G., A. Weidenhaupt, M.M. David, S.R. Muller, S.B. Haderlein, and R.P. Schwarzenbach. 1997. Sorption of tributyltin onto a natural quartz sand. *Environ. Sci. Tech.* 31(9):2596-2602.

Arnot, J.A. and F.A.P.C. Gobas. 2004. A food web bioaccumulation model for organic chemicals in aquatic ecosystems. *Environ. Toxicol. Chem.* 23:2343-2355.

Ash Creek Associates/Newfields. 2008. Field Sampling Procedures Report, Stormwater Sampling Program, Terminal 4 Upland Facility. WLCT4C07. Ash Creek Associates/Newfields, Portland, OR. June, 2008.

Ash Creek and Newfields. 2006. Supplemental Preliminary Assessment, Swan Island Upland Facility. Draft. Prepared for the Port of Portland, Portland, OR. Ash Creek Associates and Newfields, Portland, OR. December, 2006.

ATSDR. 1995. ToxFAQs for Chlordane. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.

ATSDR. 1997. Toxicological Profile for Zinc. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.

ATSDR. 1998. Toxicological Profile for Chlorinated Dibenzo-p-Dioxins. Draft Report. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.

ATSDR. 2002a. Toxicological Profile for DDT, DDE, and DDD. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA. September, 2002.

- ATSDR. 2002b. Toxicological Profile for Di(2-Ethylhexyl)Phthalate. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- ATSDR. 2002c. Toxicological Profile for Aldrin/Dieldrin. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- ATSDR. 2004. Toxicological Profile for Copper. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- ATSDR. 2005a. Draft Toxicological Profile for Arsenic. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- ATSDR. 2005b. Toxicological Profile for Tin and Tin Compounds. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- ATSDR. 2008. Toxicological Profile for Chromium; Draft for Public Comment. U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA. September, 2008.
- Augusto, S., P. Pinho, C. Branquinho, M. J. Pereira, A. Soares and F. Catarino. 2004. Atmospheric dioxin and furan deposition in relation to land-use and other pollutants: A survey with lichens. *J. Atmos. Chem.* 49:53-65.
- Barrett, P. 2002. Personal Communication (phone conversation on May 29, 2002 with Karl Krcma, Parsons Brinckerhoff, Portland, OR). Oregon Graduate Institute (OGI), Portland, OR.
- Batt, J.M. 2004. The World of Organotin Chemicals: Applications, Substitutes, and the Environment. ATOFINA Chemicals, Inc., Portland, OR. November 5, 2004.
- Battelle. 2002. Assessment of the Nature of PAH in Surface Sediments along the Southwestern Shore of Portland Harbor Superfund Site, Portland, OR. WLCASF97. Battelle. 2002.
- BB&L. 2005. Terminal 4 Early Action EE/CA Report Public Review Draft, Appendix E—Summary of Sediment Quality Characteristics, Port of Portland, Portland, OR. WLCT4C04. Blasland, Bouck & Lee, Inc. May, 2005.
- Beeson, M.H. 2003. Personal communication (to J. Melady regarding internal review meeting). Oregon Department of Geology and Mineral Industries, Portland, OR.
- Beeson, M.H., T.L. Tolan, K.R. Fecht, and S.P. Reidel. 1985. Regional correlations within the Frenchman Springs Member of the Columbia River Basalt Group: New insights into the Middle Miocene Tectonics of Northwestern Oregon. *Oregon Geology* 47(8):87-96.

Beeson, M.H., T.L. Tolan, and I.P. Madin. 1991. Geologic Map of the Portland Quadrangle, Multnomah and Washington Counties, Oregon and Clark County, Washington. Geological Map Series GMS-75. Oregon Department of Geology and Mineral Industries, Portland, OR.

Biedenharn, David S., C.R. Thorne, and C.C. Watson. 2006. Wash Load/Bed Material Load Concept in Regional Sediment Management. Proceedings of the Eighth Federal Interagency Sedimentation Conference (8th FISC), April 2-6, 2006, Reno, NV, USA.

Bjornn, T.C., and D.W. Reiser. 1991. Habitat requirements of salmonids in streams. *In: Influences of Forest and Rangeland Management of Salmonid Fishes and their Habitats*. W.R. Meehan (ed). American Fisheries Society, Bethesda, MD. p. 83-138.

Blalock, B. 2008. A Pictorial History of the Portland Waterfront. Barney Blalock, Portland, OR. <http://www.portlandwaterfront.org/index.html>.

Butler, Virginia L. 2004. Where Have All the Native Fish Gone? The Fate of Fish That Lewis and Clark Encountered on the Lower Columbia River. *Oregon Historical Quarterly* 105(3):438-463.

Caldwell, J.M., and M.C. Doyle. 1995. Sediment Oxygen Demand in the Lower Willamette River, Oregon, 1994. USGS Water-Resources Investigations Report 95-4196. U.S. Geological Survey, Reston, VA.

Cal EPA. 2008. Toxicity Criteria Database, September 2008. Office of Environmental Health Hazard Assessment. Accessed October 2008 at <http://www.oehha.org/risk/pdf/TCDBalpha100108.pdf>.

Carter, G. D. 2006. Pioneering water pollution control in Oregon. *Oregon Historical Society Quarterly* 107(2).

Chen, F. 2011. Personal communication (e-mail of February 11, 2011 from F. Chen, Anchor QEA, to S. FitzGerald, Integral, regarding flood maximum erosion output model layer). Anchor QEA, LLC, Portland, OR.

CH2M Hill. 1957. A Development Plan for the Swan Island – Mock Bottom Areas. A Report to the Port of Portland Development Commission, Portland, OR. CH2M Hill, Portland, OR. March, 1957.

CH2M Hill. 1992. CSO Characterization Study, Combined Sewer Overflow Management Plan. CH2M Hill, Portland, OR. December, 1992.

CH2M Hill. 1994. Final Facilities Plan, City of Portland, Bureau of Environmental Services, Combined Sewer Overflow Management Plan. CH2M Hill, Portland, OR. December, 1994.

CH2M Hill. 1999. Pre-Dredge Sediment Goldendale Aluminum Co. Portland, OR. WLCGAB99. CH2M Hill, Portland, OR. February, 1999.

CH2M Hill. 2000. Sampling and Analysis Work Plan for Planned Dredging Activities at Goldendale Alumina Facility. Prepared for Goldendale Aluminum Company. CH2M Hill, Portland, OR.

CH2M Hill. 2001a. Preliminary Assessment and Dredging Sampling Results, Goldendale Alumina Unloading Facility, Phase II Sampling. WLCGAL00. Prepared for Goldendale Aluminum Company. CH2M Hill, Portland, OR. March, 2001.

CH2M Hill. 2001b. Dredging Sampling Results, Goldendale Alumina Unloading Facility, Phase I Sampling, Portland, OR. WLCGAF00. CH2M Hill, Portland, OR. March, 2001.

CH2M Hill. 2002. Source Control Pilot Project for the City of Portland Outfalls, Portland, OR. WLCOFH02. CH2M Hill, August, 2002.

CH2M Hill. 2004. Programmatic Source Control Remedial Investigation Work Plan for the City of Portland Outfalls Project. Prepared for the City of Portland, Bureau of Environmental Services, Portland, OR. WLCOFJ02. CH2M Hill, Portland, OR. January, 2004.

CH2M Hill. 2005. Characterization of Sediment and Proposed Dredge Depth. Prepared for the City of Portland, Bureau of Environmental Services, Portland, OR. CH2M Hill, Portland, OR.

CH2M Hill. 2008. Supplemental Remedial Investigation/Source Control Measures Evaluation Report. Prepared for Union Pacific Railroad. CH2M Hill, Inc., Portland, OR. August, 2008.

CH2M Hill. 2009. Sediment Sampling Results Focused Sediment Investigation International Terminals Slip, Portland, Oregon. WLCITG08. CH2M Hill, Inc. April 10, 2009.

City of Portland. 1936. Minutes of City Council, Resolution No. 4. City of Portland, Portland, OR. July 28, 1936.

City of Portland. 1952a. Sewage Disposal Dedication Booklet, "Portland's Sewage Disposal System". City of Portland, Portland, OR. September, 1952.

City of Portland. 1952b. Annual Report of the City Engineer for the Fiscal Year Ending June 30, 1952. City of Portland, Portland, OR.

City of Portland. 1966a. East Side Interceptor Study. City of Portland, Department of Public Works, Division of Research and Planning, Portland, OR.

City of Portland. 1966b. Annual Report of the City Engineer for the Fiscal Year Ending June 30, 1966. City of Portland, Portland, OR.

City of Portland. 1967a. Annual Report of the City Engineer for the Fiscal Year Ending June 30, 1967. City of Portland, Portland, OR.

City of Portland. 1967b. OSSA Application for Waste Discharge Permit, Domestic Wastes. Submitted by the City of Portland, Department of Public Works Nov. 30, 1967 to Oregon State Sanitary Authority. City of Portland, Portland, OR

- City of Portland. 1969. City Engineer's Annual Report Fiscal Year 1968-1969. City of Portland, Department of Public Works, Portland, OR.
- City of Portland. 1974. Columbia Blvd WWTP, NPDES Permit Report, Condition G-7—Industrial Users. City of Portland, Portland, OR. September 30, 1974.
- City of Portland. 1976. 1975-1976 Annual Report. City of Portland, Portland, OR.
- City of Portland. 1980. Industrial Wastewater Management Program. City of Portland Bureau of Sanitary Engineering, Portland, OR. April, 1980.
- City of Portland. 1986. Sewer Outfall Report. City of Portland, Bureau of Environmental Services, Portland, OR. July, 1985.
- City of Portland. 1998. Portland's CSO Characteristics from 1990 to 2000. City of Portland, Bureau of Environmental Services, Portland, OR.
- City of Portland. 1999. Public Facilities Plan. City of Portland Environmental Services, Portland, OR. July, 1999.
- City of Portland. 2001a. Guilds Lake Industrial Sanctuary Plan. City of Portland, Bureau of Planning, Portland, OR. December 21, 2001.
- City of Portland. 2001b. Willamette River CSO Predesign Project, Final Report. City of Portland, Portland, OR. June, 2001.
- City of Portland. 2004. St. Johns/Lombard Plan. Adopted by City Council on May 26, 2004. Ordinance No. 178452. Resolution No. 36219. City of Portland, Bureau of Planning, Portland, OR.
- City of Portland. 2005. CSO Sizing and Flow Management Final Predesign Report, Volume 1 of 2. City of Portland, Portland, OR. December, 2005.
- City of Portland. 2006a. City of Portland Bureau of Environmental Services (BES) TSS Data. WLC1200Z. Sanders, D. 2006. Personal communication [compact disk of City of Portland BES Watershed Program dataset, Portland, OR] provided to K. Pine, Integral Consulting Inc.
- City of Portland. 2006b. Comprehensive Plan Goals and Policies. City of Portland, Bureau of Planning, Portland, OR. July, 2006.
- City of Portland. 2006c. Portland Harbor Outfall Locations—April 2006 (Source Data Provided in GIS Format). City of Portland, Industrial Source Control and Spill Protection/Citizen Response Programs, Portland, OR.
- City of Portland. 2006d. Memorandum to D. Sanders, Portland Harbor Group, from M. Liebe, System Analysis Technical Manager, City of Portland, regarding various TSS analyses and comparisons—Portland Harbor and Willamette Mainstem. City of Portland, Portland, OR. October 18, 2006.

- City of Portland. 2006e. City Outfall Basin 18 Inline Solids Sampling in the Vicinity of Container Management Services and Wilhelm Trucking Co. City of Portland, Bureau of Environmental Services, Portland, OR. March, 2006.
- City of Portland. 2008a. Willamette River Natural Resources Inventory: Riparian Corridors and Wildlife Habitat, Portland, OR. Proposed Draft Report. City of Portland, Bureau of Planning, Portland, OR. July, 2008.
- City of Portland. 2008b. Long-Term Solids and Floatables Control Plan. Prepared for Oregon Department of Environmental Quality, Portland, OR. City of Portland, Bureau of Planning, Portland, OR. July, 2008.
- City of Portland. 2009a. Willamette Subwatersheds, Willamette River North Segment. City of Portland, Bureau of Environmental Services, Portland, OR. Accessed at: <http://www.portlandonline.com/bes/watershedapp/index.cfm?action=DisplayContent&SubWatershedID=29&SectionID=1&SubjectID=3&TopicID=26>. May, 2009.
- City of Portland. 2009b. Stormwater Monitoring Report – Calbag Metals CO (table only). City of Portland, Portland, OR. Revised March 27, 2009.
- City of Portland. 2010. Stormwater Evaluation Report, City of Portland Outfall Project, ECSI 2425. City of Portland, OR. February, 2010.
- City of Portland. 2012. Demonstration of ASFO Compliance Final Report. City of Portland, OR. December 1, 2012.
- Commoner, B., P.W. Bartlett, E. Holger, and K. Couchot. 2000. Long-range Air Transport of Dioxin from North American Sources to Ecologically Vulnerable Receptors in Nunavut, Arctic Canada. Final Report to the North American Commission for Environmental Cooperation. September, 2000.
- Consolidated Metco. 2008. Personal communication (letter of January 29, 2008 to M. Romero, DEQ from E. Nimister, Consolidated Metco regarding summary of stormwater sampling). Consolidated Metco, Portland, OR.
- CPD. 1919. Industrial Map, Portland, Oregon. Commission of Public Docks, Municipal Boat Landing, Foot of Stark Street, Portland, OR.
- CPD. 1935. Industrial Map, Portland, Oregon. Commission of Public Docks, Municipal Boat Landing, Foot of Stark Street, Portland, OR.
- CRAG. 1977. Areawide Waste Treatment Management Study, Technical Supplement 2: Planning Process. Columbia Region Association of Governments, Portland, OR. November 15, 1997.
- CRITFC. 1994. A Fish Consumption Survey of the Umatilla, Nez Perce, Yakama, and Warm Springs Tribes of the Columbia River Basin. Technical Report 94-3. Columbia River Inter-Tribal Fish Commission, Portland, OR.

- Dames & Moore. 1998. Results of Sediment Investigation to Identify Chemicals in the Vicinity of the Portland Shipyard. PSYD&M97 and WRD&M98. Dames & Moore. 1998.
- DEA. 2001. Multibeam Bathymetric Survey of the Lower Willamette River Work Plan. Prepared for Lower Willamette Group. David Evans and Associates, Inc., Portland, OR. July 2, 2001.
- DEA. 2002a. Lower Willamette River Multibeam Bathymetric Survey Report, December 2001/January 2002. Draft. Prepared for Striplin Environmental Associates, Olympia, WA. David Evans and Associates, Inc., Portland, OR. April 26, 2002.
- DEA. 2002b. Willamette River Acoustic Doppler Current Profiler Survey Results, April 2002. Prepared for Striplin Environmental Associates, Inc., Olympia, WA. David Evans and Associates, Inc., Portland, OR.
- DEA. 2003a. Lower Willamette River Summer 2002 Multibeam Bathymetric Survey Report. Prepared for Striplin Environmental Associates, Inc., Olympia, WA. David Evans and Associates, Inc., Portland, OR.
- DEA. 2003b. Lower Willamette River Multibeam Bathymetric Survey Report, May 2003. Submitted to Striplin Environmental Associates, Inc., Olympia, WA. David Evans and Associates, Inc., Portland, OR.
- DEA. 2003c. Willamette River Acoustic Doppler Current Profiler Survey Results May 2003. Submitted to Striplin Environmental Associates, Inc., Olympia, WA. David Evans and Associates, Inc., Portland, OR.
- DEA. 2004a. Lower Willamette River Multibeam Bathymetric Survey Report, February 2004. Submitted to Integral Consulting Inc. (Olympia, WA). David Evans and Associates, Inc., Portland, OR.
- DEA. 2004b. Willamette River Acoustic Doppler Current Profiler Survey Results, January 2004. Prepared for Integral Consulting Inc., Mercer Island, WA. David Evans and Associates, Inc., Portland, OR.
- DEA. 2009. Lower Willamette Change Detection Jan 2009–Jan 2002. Prepared for Integral Consulting Inc., Olympia, WA. David Evans and Associates, Inc., Portland, OR.
- DEA. 2011. Portland Harbor Superfund Site Survey, State of Oregon, Riparian Property Boundaries. David Evans and Associates, Inc., Portland, OR. January 7, 2011.
- Deletic, A., C. Maksimovi, and M. Ivetic. 1997. Modeling of storm washoff of suspended solids from impervious surfaces. *J. Hydraulic Res.* 35:99-118.
- Dempster, G.R., and G.A. Lutz. 1968. Water Discharge Determinations for the Tidal Reach of the Willamette River from Ross Island Bridge to Mile 10.3 Portland, Oregon. U.S. Geological Survey, in cooperation with the U.S. Atomic Energy Commission, Washington, DC.

DEQ. 1996. Mutual Agreement and Order (Case No. WQ MW-NWR-95-329). Oregon Department of Environmental Quality, Portland, OR. January 15, 1996.

DEQ. 1997. Willamette River Water Quality Data Analysis Report, May 1997. Oregon Department of Environmental Quality, Portland, OR.

DEQ. 1998. (Updated 2001.) Guidance for ecological risk assessment: levels I, II, III, IV. Waste Management and Cleanup Division, Oregon Department of Environmental Quality, Portland, OR.

DEQ. 2000. Guidance for Conduct of Deterministic Human Health Risk Assessments. Oregon Department of Environmental Quality. May, 2000.

DEQ. 2001. Excavation of Asbestos-Containing Material. D.E. Wall and K.R. Tong. Oregon Department of Environmental Quality, Portland, OR.

DEQ. 2003. Technical Memorandum: "Upland" Versus "In-Water" Definition and Portland Harbor Elevation Datums Portland Harbor Superfund Project. Oregon Department of Environmental Quality, Portland, OR. July 9, 2003.

DEQ. 2005. Preliminary Closeout Report McCormick & Baxter Creosoting Company Superfund Site. Oregon Department of Environmental Quality, Portland, OR.

DEQ. 2006. Willamette Basin Total Maximum Daily Load (TMDL). Oregon Department of Environmental Quality, Portland, OR.

DEQ. 2009a. DEQ Site Summary Report for ECSI Site 4409. DEQ Environmental Cleanup Site (ECSI) database. Oregon Department of Environmental Quality, Portland, OR. Available at <http://www.deq.state.or.us/Webdocs/Forms/Output/FPController.aspx?SourceId=4409&SourceIDType=11>.

DEQ. 2009b. DEQ Site Summary Report for ECSI Sites #29, 134, 146, 5059, 1820, 1076, 1160, and 1405. DEQ Environmental Cleanup (ECSI) Database. Accessed March 2, 2009. Available at

<http://www.deq.state.or.us/lq/ecsi/ecsiquery.asp?listtype=lis&listtitle=Environmental+Cleanup+Site%20Information+Database>.

DEQ. 2010a. Portland Harbor Joint Source Control Strategy - Milestone Report. Prepared by the Oregon Department of Environmental Quality, Portland, OR and U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR. September, 2010.

DEQ. 2010b. DEQ Site Summary Report for ECSI Site 1528. DEQ Environmental Cleanup Site Investigation (ECSI) database. Oregon Department of Environmental Quality, Portland, OR. Available at <http://www.deq.state.or.us/lq/ECSI/ecsidetail.asp?seqnbr=1528>.

DEQ. 2010c. Human Health Risk Assessment Guidance. Oregon Department of Environmental Quality, Environmental Cleanup Program, Portland, OR. October, 2010.

DEQ 2011a. DEQ Site Summary Report for ECSI Site 2275. DEQ Environmental Cleanup Site (ECSI) database. Oregon Department of Environmental Quality, Portland, OR. Accessed July 2011. Available at <http://www.deq.state.or.us/lq/ECSI/ecsdetail.asp?seqnbr=2275>

DEQ. 2011b. DEQ Site Summary Report for ECSI Site 151. DEQ Environmental Cleanup Site (ECSI) database. Oregon Department of Environmental Quality, Portland, OR. Accessed March 22, 2011. Available at <http://www.deq.state.or.us/Webdocs/Forms/Output/FPController.ashx?SourceId=151&SourceIdType=11>

DEQ. 2013. DEQ Site Summary Report for ECSI Site #689. DEQ Environmental Cleanup (ECSI) Database. Accessed May 8, 2013. Available at <http://www.deq.state.or.us/Webdocs/Forms/Output/FPController.ashx?SourceId=689&SourceIdType=11>.

DOI. 1967. Water Quality Control and Management, Willamette River Basin Summary Report. U.S. Department of Interior, Federal Water Pollution Control Administration, NW Region, Portland, OR. January, 1967.

DOI. 1968. A Regional Water Pollution Profile. U.S. Department of the Interior, Federal Water Pollution Control Administration, Northwest Region, Portland, OR. September, 1968.

Eaton, C.B., J.A. Beal, R.L. Furniss, and C.F. Speers. 1949. Airplane and helicopter spraying with DDT for Spruce Budworm control. *J. Forestry* 47:823-827.

Ecology & Environment. 2001. Sediment Remedial Design Final Sampling Data Summary Report, McCormick & Baxter Creosoting Company, Portland, OR. WLCMBA01 and WLCMBJ99. Ecology and Environment, Inc. February 2001.

Ecology & Environment. 2003. Surface Water, Sediment, and Groundwater Sampling Report, McCormick & Baxter Creosoting Company Site, Portland, OR. WLCMBI02. Ecology and Environment, Inc., February 2003.

Ecology & Environment. 2007. Blue Heron Paper Company Site Investigation. WLFLH07. Ecology and Environment, Inc. 2007.

Eisler, R. 1986. Dioxin Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. U.S. Fish and Wildlife Biological Report Number 85(1.8). U.S. Fish and Wildlife Service, Laurel, MD.

Eisler, R. 1987. Polycyclic Aromatic Hydrocarbon Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. U.S. Fish and Wildlife Service Biological Report 85 (1.11). Contaminant Hazard Reviews Report No. 11. U.S. Fish and Wildlife Service, Laurel, MD.

Eisler, R. 1988. Lead Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. U.S. Fish and Wildlife Service Biological Report 85(1.14). U.S. Fish and Wildlife Service, Laurel, MD.

- Eisler, R. 1993. Zinc Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. U.S. Fish and Wildlife Service Biological Report 10. U.S. Fish and Wildlife Service, Laurel, MD.
- Eisler, R. 1998. Copper Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. U.S. Fish and Wildlife Service Biological Report 33. U.S. Fish and Wildlife Service, Laurel, MD.
- Ellis Ecological Services. 2002. Portland Harbor Superfund Site Technical Memorandum: Juvenile Salmonid Residence Time in Portland Harbor. Draft. Ellis Ecological Services, Inc., Estacada, OR. February 15, 2002.
- EPRI. 1984. Chemical Attenuation Rates, Coefficients, and Constants in Leachate Migration. EPRI EA-3356. Prepared for the Electrical Power Research Institute by Battelle Pacific Northwest Laboratories, Richland, WA.
- Erickson, M.D. 1997. *Analytical chemistry of PCBs*. Second Edition. CRC/Lewis, Boca Raton, FL.
- ERM. 2003. Environmental Summary Report, Lots 1 and 2. Prepared for ATOFINA Chemicals, Inc., Portland, OR. Environmental Resources Management, Bellevue, WA. July 23, 2003.
- ERM. 2005. Upland Remedial Investigation Report Lots 3 & 4 and Tract A - Revision 1, Arkema, Inc. Portland Facility. ERM-West, Inc., Bellevue, WA. December, 2005.
- ERM-West. 2009. Sediment Characterization Report Portland Ship Repair Yard Portland, OR. WLCPSK09. ERM-West Inc., Portland, OR.
- Evren Northwest. 2007. Independent Cleanup Report – Greenway Recycling Facility. Prepared for Greenway Recycling. Evren Northwest, Portland, OR. December 4, 2007.
- EVS. 2000. Human Health Risk Assessment of Chemical Contaminants in Four Fish Species from the Middle Willamette River, November 21, 2000. Salem, OR: Oregon Department of Environmental Quality. (Willamette River Basin Studies: Human Health Technical Study; EVS Project No. 2/839-01). EVS Environmental Consultants, Inc., Seattle, WA.
- Exponent. 1999a. January 1999 Sediment Sampling Results for Tosco Portland Terminal. TOSCO99. Exponent. April 29, 1999.
- Exponent. 1999b. Elf Atochem Acid Plant Area Remedial Investigation Interim Data Report. WLRELF99. Exponent. June, 1999.
- Exponent. 2001. Pre-remedial Investigation Field Activities Data Report, Oregon Steel Mills, Inc. (OSM), Portland, OR. WLCOSJ00. Exponent. February, 2001.
- Farr, R.A. and D.L. Ward. 1993. Fishes of the Lower Willamette River near Portland, Oregon. Oregon Department of Fish and Wildlife, Clackamas, OR, Northwest Science. 1993; 67(1):16-22.
- FloydSnider McCarthy. 2003. International Terminals Sediment Data Report Portland, OR. WLCIT03. Floyd Snider McCarthy, Inc. June, 2003.

- Franchère, Hoyt C. [editor] 1967. *Adventure at Astoria, 1810-1814*. University of Oklahoma Press, Norman.
- Friesen TA, ed. 2005. *Biology, behavior, and resources of resident and anadromous fish in the Lower Willamette River*. Final report of research, 2000-2004. Prepared for City of Portland. Oregon Department of Fish and Wildlife, Clackamas, OR.
- Friesen, T.A., J.S. Vile, and A.L. Pribyl. 2004. *Migratory Behavior, Timing, Rearing, and Habitat Use of Juvenile Salmonids in the Lower Willamette River*. Oregon Department of Fish and Wildlife, Columbia River Investigations, Clackamas, OR. November, 2004.
- Friberg, L., G.F. Nordberg, E. Kessler, and V.B. Vouk (eds). 1986. *Handbook of the toxicology of metals*. 2nd ed. Vols I, II. Elsevier Science Publishers B.V., Amsterdam.
- Gasperi, J., S. Garnaud, V. Rocher, and R. Moilleron. 2008. Priority pollutants in wastewater and combined sewer overflow. *Sci. Tot. Envir.* 407:263–272.
- GeoDesign. 2004. *Expanded Preliminary Assessment Sulzer Pumps Site*. WLCSPL03. GeoDesign, Portland, OR. 2004.
- GeoDesign. 2008. Personal communication (letter of November 18, 2008 to C. Harman, DEQ from R. Belding, GeoDesign regarding Stormwater System Remedial Work Plan – SFI Property). GeoDesign, Portland, OR.
- Geomatrix. 1995. *Seismic margin earthquake for the Trojan site; Final report to Oregon Department of Transportation, Project no. 2442*. Geomatrix Consultants, Inc.
- GeoSea Consulting. 2001. *A Sediment Trend Analysis (STA) of the Lower Willamette River*. Draft Report. GeoSea Consulting Ltd., Brentwood Bay, BC, Canada. April, 2001.
- Gough, Barry M. (editor) 1992. *The Journal of Alexander Henry the Younger, 1799-1814. Volume II: The Saskatchewan and Columbia Rivers*. The Champlain Society, Toronto.
- Grooms, M. 2008. Personal communication (e-mail to T. Pinit regarding crayfish catch reports). Oregon Department of Fish and Wildlife, Portland, OR.
- Grottker, M. 1987. Runoff quality from a street with medium traffic loading. *Sci. Total Environ.* 59:457-466.
- GSI. 2003a. *Technical Memorandum: Results of Seep Reconnaissance Survey, River Mile 2–10.5, Lower Willamette River*. Groundwater Solutions, Inc., Portland, OR. February 18, 2003.
- GSI. 2003b. *Portland Harbor RI/FS Upland Groundwater Data Review Report, River Mile 2–11, Lower Willamette River. Volumes I and II*. Prepared for the Lower Willamette Group, Portland, OR. Groundwater Solutions, Inc., Portland, OR. June 2, 2003.
- GSI. 2009a. *Surface and Subsurface Sediment Field and Data Report River Mile 11 East Focused Sediment Characterization, Portland, OR. RM11E*. Prepared by GSI Water Solutions, Inc. August, 2009.

GSI. 2009b. Field and Data Report, Downtown Portland Sediment Characterization, Willamette River, Portland, Oregon. WLLASE08. Prepared for the Oregon Department of Environmental Quality, Portland, OR. Groundwater Solutions, Inc., Portland, OR. January, 2009.

GSI. 2010a. Bank Soil and Debris Field and Data Report River Mile 11 East Focused Sediment Characterization, Portland, OR. RM11E_BD. Groundwater Solutions, Inc., Portland, OR. June, 2010.

GSI. 2010b. Draft In-River Sediment Trap Field and Data Report River Mile 11 East Focused Sediment Characterization, Portland, Oregon. RM11E_ST. Groundwater Solutions, Inc., Portland, OR. June, 2010.

GSI and Hart Crowser. 2010. Field and Data Report Downtown Portland Sediment Characterization Phase II Willamette River Portland, OR. WLLASB10. Groundwater Solutions, Inc. and Hart Crowser, Inc. June, 2010.

HAI. 2003. Phase I Site Characterization Summary Report, Wacker Siltronic Corporation Property, 7200 NW Front Avenue, Portland, Oregon. Hahn and Associates, Inc., Prepared on behalf of: NW Natural. Portland, Oregon.

HAI. 2005a. Report on Supplemental Upland Remedial Investigation Actions, NW Natural - Gasco Facility. Hahn and Associates, Inc., Portland, OR.

HAI. 2005b. Updated Phase I Site Characterization Summary Report. Prepared for NW Natural, Portland, OR. Hahn and Associates, Inc., Portland, OR. July 22, 2005.

Harding ESE. 2001. Results of Sediment Sampling and Analysis Cargill Irving Elevator Terminal, Portland, OR. WLCCIF01. Prepared for Cargill, Incorporated, Minneapolis, MN. Harding ESE, Navato, CA. August 3, 2001.

Hart Crowser. 1997. Sediment Characterization Study River Terminal 4, Slip 3 Willamette River, Portland OR. WLCT4E97. Hart Crowser, Inc. August, 1997.

Hart Crowser. 1998. Sediment Characterization Study Terminal 4, Berth 416, Port of Portland. WLCT4J97. Hart Crowser, Inc. March, 1998.

Hart Crowser. 1999a. Sediment Characterization at Marine Terminal 5, Barge Berth 501 and Berth 503, Portland, OR. WLCT5K99. Hart Crowser, Inc.

Hart Crowser. 1999b. Sediment Characterization Study Marine Terminal 2, Berths 203-206, Port of Portland. PPTLDT24. Hart Crowser, Inc. March 1999.

Hart Crowser. 1999c. Sediment Characterization Study of Local Sponsors' Berths, Columbia and Willamette River Navigation Channel Deepening, Longview and Kalama, Washington and Portland, Oregon. WLCT0I98. Hart Crowser, Inc. February, 1999.

Hart Crowser. 2000a. Site Investigation Report, Port of Portland Confined Dredged Material Disposal, Ross Island Facility, Portland, OR. WLCRIL99. Hart Crowser, Inc. November 30, 2000.

Hart Crowser. 2000b. Remedial Investigation Report Terminal 4, Slip 3 Sediments, Port of Portland. WLCT4J98. Hart Crowser, Inc. April, 2000.

Hart Crowser. 2001a. Willamette River Reference Area Study – Phase I Results and Recommendations for Phase II Sampling Locations, Portland, OR. WLLRSH01. Hart Crowser, Inc. September, 2001.

Hart Crowser. 2001b. Dredged Material Characterization Study, Marine Terminal 2, Berths 203-206, Marine Terminal 5, Berth 501, Portland, OR. WLCT0F01. Hart Crowser, Inc. August 24, 2001.

Hart Crowser. 2002a. Dredged Material Characterization Study Marine Terminal 4, Slip 3, Portland, OR. WLCT4L01. Hart Crowser, Inc. February, 2002.

Hart Crowser. 2002b. Lower Willamette River Reference Area Study. Prepared for U.S. Army Corps of Engineers, Portland, OR. WLLRSI01. Hart Crowser, Inc. February 26, 2002.

Hart Crowser. 2002c. Baseline Environmental Site Assessment, Phase I and II Investigation Report, Toyota Logistic Services, Inc. – Lower Parcel. Port of Portland – Terminal 4, Portland, Oregon. October 4, 2002.

Hart Crowser. 2003. Remedial Investigation, Willamette Cove, Portland, Oregon, ECSI No. 2066. March 11, 2003.

Hart Crowser. 2004. Willamette River Federal Navigational Channel Operation & Maintenance Sediment Characterization Report Portland, OR. WLCDRIO3. Hart Crowser. June, 2004.

Hope, B.K. 2005. A mass budget for mercury in the Willamette River Basin, Oregon, USA. *Water, Air, and Soil Pollut.* 161:365-382.

Hopkins, F. 1994. Emergency Fleet Corporation Ship Construction in World War I in the Pacific Northwest. *The Northern Marine* IV/4:15–22.

HSDB. 2006. Hazardous Substances Data Bank. Available at <http://toxmap.nlm.nih.gov/toxmap/main/chemPage.jsp?chem=BEHP>. Accessed September 25, 2006.

IMO. 2002. *The Effect of Legislation and Regulation on Tributyltin Risk in the Marine and Estuarine Environments of the United States*. Peter F. Seligman, Aldis O. Valkirs and Harry D. Johnson, Environmental Sciences Division, U.S. Navy, SSC SD (3601), San Diego CA 92152-6335.

Integral. 2003. Phase II Stage 1 & 2 In-River Groundwater and Sediment Investigation Report Volume 1 Report and Appendix A, Portland, OR. Prepared by Integral Consulting Inc. WLCEAF02. December, 2003.

Integral. 2004a. Portland Harbor RI/FS Round 1 Site Characterization Summary Report. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 12, 2004.

Integral. 2004b. Portland Harbor RI/FS Round 2A Field Sampling Plan Surface Water Sampling. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. August 3, 2004.

Integral. 2004c. Portland Harbor RI/FS Field Sampling Plan, Groundwater Pathway Assessment Pilot Study. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. December 16, 2004.

Integral. 2004d. Portland Harbor RI/FS Round 2 Health and Safety Plan. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2004e. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 1: Surface Water. Prepared for the Lower Willamette Group, Portland, Oregon. Integral Consulting Inc. Mercer Island, WA. October 4, 2004.

Integral. 2004f. Round 2 Quality Assurance Project Plan Addendum 2: PCB Congener Analysis in Sediment Samples. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. November 1, 2004.

Integral. 2004g. Round 2 Quality Assurance Project Plan Corrective Action Plan: SVOC Analysis of Core Sediment Samples. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2005a. Portland Harbor RI/FS Round 2 Surface and Beach Sediment Field Sampling Report. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. January 4, 2005.

Integral. 2005b. Portland Harbor RI/FS Round 2B Subsurface Sediment Field Sampling Report. Draft. IC05-0041. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. December 29, 2005.

Integral. 2005c. Portland Harbor RI/FS Round 2A Surface Water Field Sampling Report. Draft. IC05-0003. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. January 31, 2005.

Integral. 2005d. Portland Harbor RI/FS Round 2A Winter 2005 Surface Water Field Sampling Report. Draft. IC05-0018. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. May 16, 2005.

Integral. 2005e. Portland Harbor RI/FS Round 2A Summer 2005 Surface Water Field Sampling Report. Draft. IC05-0030. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. September 19, 2005.

Integral. 2005f. Portland Harbor RI/FS Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan. Draft. IC05-0013. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. July 8, 2005.

Integral. 2005g. Portland Harbor RI/FS Round 2 Field Sampling Plan Round 2B Subsurface Addendum. IC-05-0007. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. December 29, 2005.

Integral. 2005h. Portland Harbor RI/FS Groundwater Pathway Assessment Sampling and Analysis Plan, Attachment 1: Field Sampling Plan Groundwater Plume Discharge Mapping. Revised Draft. IC05-0016. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. July 1, 2005.

Integral. 2005i. Portland Harbor RI/FS Groundwater Pathway Assessment Sampling and Analysis Plan, Attachment 2: Field Sampling Plan Transition Zone Water Sampling. IC05-0022. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. March 27, 2006.

Integral. 2005j. Portland Harbor RI/FS Field Sampling Plan Transition Zone Water Sampling Addendum 1 Sampling Plans for ExxonMobil, Siltronic, Gasco, and Arkema. Draft. IC05-0029. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. August 29, 2005.

Integral. 2005k. Portland Harbor RI/FS Field Sampling Plan Transition Zone Water Sampling Addendum 2 Sampling Plans for Kinder Morgan Linnton, ARCO, Rhone Poulenc, Willbridge, and Gunderson. Draft. IC05-0033. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. September 26, 2005.

Integral. 2005l. Portland Harbor RI/FS Field Sampling Plan Transition Zone Water Sampling Annotated Cross Sections for Kinder Morgan Linnton, ARCO, Rhone Poulenc, Willbridge, and Gunderson. Draft. IC05-0034. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. October 3, 2005.

Integral. 2005m. Portland Harbor RI/FS Groundwater Discharge Mapping and Transition Zone Water Sampling Health and Safety Plan. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2005n. Portland Harbor RI/FS Groundwater Pathway Assessment Quality Assurance Project Plan Supplement to Addendum 3: Groundwater Pathway Assessment Transition Zone Water Sampling. Draft. IC05-0023. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2005o. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 4: Subyearling Chinook Tissue Collection. IC05-0005. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. April 1, 2005.

Integral. 2005p. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Supplement to Addendum 4: Subyearling Chinook Tissue Collection – Semivolatile Organic Compounds. IC05-0019. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. May 19, 2005.

Integral. 2005q. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 5: Invertebrate Tissue Collection using Multiplate Samplers. IC05-0015. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. August 12, 2005.

Integral. 2005r. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Supplement to Addendum 5: Invertebrate Tissue Collection Using Multiplate Samplers. Draft. IC05-0039. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. December 9, 2005.

Integral. 2005s. Portland Harbor RI/FS Round 2A Sediment Site Characterization Summary Report. IC05-0025. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. July 15, 2005.

Integral. 2006a. Portland Harbor RI/FS Round 2A PCB Congeners in Archived Round 2A Surface Sediment Data Report. Draft. IC06-0009. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2006b. Portland Harbor RI/FS Round 2A Archived Core Sediment Data Report. Draft. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. May 8, 2006.

Integral. 2006c. Portland Harbor RI/FS Round 2B Subsurface Sediment Data Report. Draft. IC06-0014. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2006d. Portland Harbor RI/FS Round 2A Surface Water Site Characterization Summary Report. Draft. IC06-0006. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2006e. Portland Harbor RI/FS Round 2 Hydrodynamic/Sediment Transport Modeling Data Collection Field Sampling Report. Draft. IC06-0016. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. June 19, 2006.

Integral. 2006f. Portland Harbor RI/FS Round 2 Groundwater Pathway Assessment Transition Zone Water Sampling Field Sampling Report. Draft. IC06-0002. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. January 31, 2006.

Integral. 2006g. Portland Harbor RI/FS Round 2 Groundwater Pathway Assessment Transition Zone Water Site Characterization Summary Report. Draft. IC06-0020. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. August 7, 2006.

Integral. 2006h. Portland Harbor RI/FS Round 2 Multiplate Invertebrate Tissue Data Report. Draft. IC06-0015. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. September 1, 2006.

Integral. 2006i. Portland Harbor RI/FS Groundwater Pathway Assessment Sampling and Analysis Plan Attachment 2: Field Sampling Plan Transition Zone Water Sampling. Revised Draft. IC05-0022. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. March 27, 2006.

Integral. 2006j. Portland Harbor RI/FS Round 2B Field Sampling Plan Addendum for Analysis of Archived Sediment Samples. Draft. IC06-0017. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. July 28, 2006.

Integral. 2006k. Portland Harbor RI/FS Round 3 January 2006 High-flow Surface Water Field Sampling Report. Draft. IC06-0007. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. March 27, 2006.

Integral. 2006l. Portland Harbor RI/FS Round 3A January 2006 High-Flow Surface Water Data Report. Draft. IC06-0026. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 20, 2006.

Integral. 2006m. Portland Harbor RI/FS Round 3A Summer 2006 Low-Flow Surface Water Event Field Sampling Report. Draft. IC06-0030. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. December 8, 2006.

Integral. 2006n. Portland Harbor RI/FS Round 3A Surface Water Field Sampling Plan. IC06-0012. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. September 18, 2006.

Integral. 2006o. Portland Harbor RI/FS Addendum to Round 3A Field Sampling Plan Summer Low-Flow Surface Water Sampling. Draft. IC06-0023. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. August 11, 2006.

Integral. 2006p. Portland Harbor RI/FS Round 3A Field Sampling Plan Surface Water Sampling Addendum 2. Draft. IC06-0033. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. December 15, 2006.

Integral. 2006q. Portland Harbor RI/FS Preliminary Upstream & Downstream Sediment Data Evaluation and Round 3A Field Sampling Plan for Upstream and Downstream Sediment Sampling. IC06-0019. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 13, 2006.

Integral. 2006r. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Supplement 1 to Addendum 1: Round 3A Surface Water Sampling. Draft. IC06-0021. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. August 11, 2006.

Integral. 2006s. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 7: Round 3 Chemical Analysis of Lamprey Ammocoete Toxicity Test Water. Draft. IC-06-0028. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 20, 2006.

Integral. 2007a. Portland Harbor RI/FS Round 3A Low-Flow and Stormwater-Impacted Surface Water Data Report. Draft. IC07-0011. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. May 21, 2007.

Integral. 2007b. Portland Harbor RI/FS Round 3A Fall 2006 Stormwater Surface Water Event Field Sampling Report. Draft. IC07-0002. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. January 15, 2007.

Integral. 2007c. Portland Harbor RI/FS Round 3A Winter 2007 High-Flow Surface Water Event Field Sampling Report. Draft. IC07-0010. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. April 30, 2007.

Integral. 2007d. Portland Harbor RI/FS Round 3A Winter 2007 High-Flow Surface Water Data Report. Draft. IC07-0028. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 15, 2007.

Integral. 2007e. Portland Harbor RI/FS Round 3 Groundwater Pathway Assessment Field Sampling Report for Stratigraphic Coring – Gunderson. Draft. IC07-0035. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. December 20, 2007.

Integral. 2007f. Portland Harbor RI/FS Round 3A Upstream & Downstream Sediment Field Sampling Report. Draft. IC07-0008. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. April 9, 2007.

Integral. 2007g. Portland Harbor RI/FS Round 3A Upstream & Downstream Data Report. IC07-0015. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. July 30, 2007.

Integral. 2007h. Portland Harbor RI/FS Round 3A Upstream & Downstream Sediment Data Report Addendum 1: Radioisotope Cores. Draft. IC07-0031. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. November 16, 2007.

Integral. 2007i. Portland Harbor RI/FS Round 3 Groundwater Pathway Assessment Field Sampling Plan for Stratigraphic Coring and Transition Zone Water Sampling – Gunderson. IC07-0022. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 10, 2007.

Integral. 2007j. Portland Harbor RI/FS Standard Operating Procedure for Homogenization of Sturgeon Tissue for the Portland Harbor RI/FS. Draft. IC07-0015. Prepared for the Lower Willamette Group. Integral Consulting Inc., Mercer Island, WA. June 18, 2007.

Integral. 2007k. Portland Harbor RI/FS Round 3B Field Sampling Plan for Fish and Invertebrate Tissue and Collocated Surface Sediment. IC07-0019. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 22, 2007.

Integral. 2007l. Portland Harbor RI/FS Erosion Core Sediment Evaluation and Field Sampling Plan Technical Approach. Draft. IC07-0021. Prepared for the Lower Willamette Group. Integral Consulting Inc., Mercer Island, WA. August 29, 2007.

Integral. 2007m. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 8: Round 3A Stormwater Sampling. IC07-0003. Integral Consulting Inc., Mercer Island, WA. March 1, 2007.

Integral. 2007n. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 9: Fish and Invertebrate Tissue and Collocated Sediment Sampling for Round 3B. Draft. IC07-0020. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. October 31, 2007.

Integral. 2007o. Portland Harbor RI/FS Groundwater Discharge Mapping and Transition Zone Water Sampling Health and Safety Plan Addendum II. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2007p. Portland Harbor RI/FS Round 2 Health And Safety Plan Addendum 9: Round 3B Fish and Invertebrate Tissue and Collocated Surface Sediment Sampling. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2007q. Portland Harbor RI/FS Round 3B Sediment Health and Safety Plan. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2007r. Portland Harbor RI/FS Conceptual Site Model Summaries. Draft. IC07-0006. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA.

Integral. 2008a. Portland Harbor RI/FS Round 2 Archived Sediment PCB Congener Analysis Data Report. Draft. IC08-0009. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. July 25, 2008.

Integral. 2008b. Portland Harbor RI/FS Round 3B Fish and Invertebrate Tissue and Collocated Surface Sediment Data Report. Draft. IC08-0011. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. August 8, 2008.

Integral. 2008c. Portland Harbor RI/FS Round 3B Fish and Invertebrate Tissue and Collocated Sediment Data Report Addendum 1: Lead and Antimony Results for Smallmouth Bass Sample LW3-SB010E-C00B. Draft. IC08-0012. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. September 26, 2008.

Integral. 2008d. Portland Harbor RI/FS Willamette Cove Sediment Data Report. Draft. IC08-0005. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. March 14, 2008.

Integral. 2008e. Portland Harbor RI/FS Round 3B Sediment Data Report. Draft. IC08-0010. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. August 1, 2008.

Integral. 2008f. Portland Harbor RI/FS Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Report. Draft. IC08-0004. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. March 21, 2008.

Integral. 2008g. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 11: Sediment Chemical Mobility Testing. Draft. IC08-0007. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. August 4, 2008.

Integral. 2008h. Outfall Verification Memorandum. Integral Consulting Inc., Mercer Island, WA. June 17, 2008.

Integral. 2009. Portland Harbor RI/FS Sediment Chemical Mobility Testing Data Report. Draft. IC09-0002. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. August 11, 2009.

Integral and Anchor. 2005. Portland Harbor RI/FS Round 2A Subsurface Sediment Field Sampling Report. Draft. IC05-0002. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. January 10, 2005.

Integral and Anchor. 2007. Portland Harbor RI/FS Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Plan Addendum 1: Fate and Transport Modeling – Estimation of Temporal Chemistry Changes in Surface Sediments. Draft. IC07-0034. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA and Anchor Environmental, L.L.C., Seattle, WA. December 10, 2007.

Integral and ARCADIS. 2010. Draft Removal Action Area Characterization Report, Arkema Early Action. C167-1103. Integral Consulting, Inc, Mercer Island, WA and ARCADIS. December 24, 2010.

Integral and DEA. 2004. Lower Willamette River Winter 2004 Multibeam Bathymetric Survey Report. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Olympia, WA and David Evans and Associates, Inc., Portland, OR. September 9, 2004.

Integral and GSI. 2005a. Portland Harbor RI/FS Conceptual Site Model Update: Batches 1 and 2 Summaries. Draft. IC05-0011. Prepared for the Lower Willamette Group, Portland, OR. Groundwater Solutions, Inc., Portland, OR and Integral Consulting Inc., Mercer Island, WA.

Integral and GSI. 2005b. Portland Harbor RI/FS Conceptual Site Model Update: Batches 3 and 4 Summaries. Draft. IC05-0014. Prepared for the Lower Willamette Group, Portland, OR. Groundwater Solutions, Inc., Portland, OR and Integral Consulting Inc., Mercer Island, WA.

Integral and GSI. 2005c. Portland Harbor RI/FS Conceptual Site Model Update: Batches 5 and 6 Summaries. Draft. IC05-0020. Prepared for the Lower Willamette Group, Portland, OR. Groundwater Solutions, Inc., Portland, OR and Integral Consulting Inc., Mercer Island, WA.

Integral and WEST. 2006. Portland Harbor RI/FS Round 2 Field Sampling Plan, Hydrodynamic/Sediment Transport Data Needs. IC05-0037. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA and WEST Consultants, Inc., Portland, OR. February 16, 2006.

Integral and Windward. 2004. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA. June 24, 2004.

Integral and Windward. 2005a. Portland Harbor RI/FS Subyearling Chinook Tissue Collection Field Sampling Report. Draft. IC05-0024. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA, and Windward Environmental LLC, Seattle, WA. July 18, 2005.

Integral and Windward. 2005b. Round 2 Quality Assurance Project Plan Addendum 6: Sampling of Benthic Invertebrate Tissue. IC05-0032. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA. November 23, 2005.

Integral and Windward. 2006a. Portland Harbor RI/FS Round 2 Subyearling Chinook Tissue Data Report. Draft. IC06-0008. Prepared for the Lower Willamette Group, Portland, OR. Windward LLC, Seattle, WA and Integral Consulting Inc., Mercer Island, WA.

Integral and Windward. 2006b. Portland Harbor RI/FS Round 2 Benthic Tissue and Sediment Data Report. Draft. IC06-0024. Prepared for the Lower Willamette Group, Portland, OR. Windward LLC, Seattle, WA and Integral Consulting Inc., Mercer Island, WA.

Integral and Windward. 2007a. Portland Harbor RI/FS Round 3 Lamprey (*Lampetra sp.*) Tissue Data Report. Draft. IC07-0023. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA and Windward Environmental LLC, Seattle, WA. August 24, 2007.

Integral and Windward. 2007b. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 10: Round 3B Comprehensive Sediment and Bioassay Testing. Draft. IC07-0033. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA and Windward Environmental LLC, Seattle, WA. December 17, 2007.

Integral and Windward. 2008. Portland Harbor RI/FS Round 3B Fish and Invertebrate Tissue and Collocated Surface Sediment Field Sampling Report. Draft. IC08-0002. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA and Windward Environmental LLC, Seattle, WA. February 15, 2008.

Integral, Anchor, and Windward. 2004. Portland Harbor RI/FS Round 2 Field Sampling Plan Sediment Sampling and Benthic Toxicity Testing. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA; Anchor Environmental, L.L.C., Seattle, WA; and Windward LLC, Seattle, WA. June 21, 2004.

Integral, Kennedy/Jenks, and Windward. 2004. Portland Harbor RI/FS Round 2 Field Sampling Plan, Shorebird Area and Beach Sediment Sampling. Prepared for Lower Willamette Group, Portland, OR. Integral Consulting, Mercer Island, WA, Kennedy/Jenks Consultants, Portland, OR, and Winward Environmental LLC, Seattle, WA. June 2, 2004.

Integral, Kennedy/Jenks, and Windward. 2005. Portland Harbor RI/FS Groundwater Pathway Assessment Sampling and Analysis Plan. Draft. IC05-0013. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA, Kennedy/Jenks Inc., Portland, OR, and Windward Environmental, Seattle, WA. April 22, 2005.

Integral, Windward, and Anchor. 2007a. Portland Harbor RI/FS Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Plan. IC07-0024. Prepared for the Lower Willamette Group. Integral Consulting Inc., Mercer Island, WA, Windward Environmental LLC, Seattle, WA, and Anchor Environmental, L.L.C., Seattle, WA. November 5, 2007.

Integral, Windward, and Anchor. 2007b. Portland Harbor RI/FS Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Plan. IC07-0024. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA, Windward Environmental LLC, Seattle, WA, and Anchor Environmental, L.L.C., Seattle, WA. November 5, 2007. (with Revised Page 3. December 17, 2007).

Integral, Windward, Anchor, and Kennedy/Jenks. 2006. Personal communication (letter regarding LWG response to EPA CSM questions). Windward Environmental LLC, Seattle, WA; Anchor Environmental L.L.C., Seattle, WA; Kennedy/Jenks Consultants, Inc., Portland, OR; Integral Consulting Inc., Portland, OR.

Integral, Windward, and Ellis. 2005. Portland Harbor RI/FS Field Sampling Plan Subyearling Chinook Tissue Collection. IC05-0004. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA; Windward Environmental, LLC, Seattle, WA; Ellis Ecological Services, Estacada, OR. April 1, 2005.

Integral, Windward, Kennedy/Jenks, and Anchor. 2007. Portland Harbor RI/FS Round 2 Comprehensive Site Characterization Summary and Data Gaps Analysis Report. IC07-0004. Prepared for the Lower Willamette Group, Portland OR. Integral Consulting Inc., Mercer Island, WA; Windward Environmental LLC, Seattle, WA; Kennedy/Jenks Consultants, Portland, OR; Anchor Environmental L.L.C., Seattle, WA. February 21, 2007.

Integral, Windward, Kennedy/Jenks, Anchor, and GSI. 2004. Portland Harbor RI/FS Programmatic Work Plan. Final. Volumes One and Two. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA; Windward Environmental LLC, Seattle, WA; Kennedy/Jenks Consultants, Portland, OR; Anchor Environmental L.L.C., Seattle, WA; and Groundwater Solutions Inc., Portland, OR. April 23, 2004.

Jacobs Engineering. 2000a. Expanded Preliminary Assessment Data Report, Union Pacific Railroad (UPRR) Albina Yard, Portland, OR. WLCAYH00. Jacobs Engineering. November, 2000.

Jacobs Engineering. 2000b. Expanded Preliminary Assessment Data Report, Marine Finance Site, Portland, OR. WLCMFH00. Jacobs Engineering. November, 2000.

Jones, L. 2007. Personal communication (telephone conversation to C. Hawley dated June 29, 2007 regarding surface water sample collection and data). Integral Consulting Inc., Portland, OR.

Jorgenson, J.L. 2001. Aldrin and dieldrin: A review of research on their production, environmental deposition and fate, bioaccumulation, toxicology, and epidemiology in the United States. *Environ. Health Perspect.* 109:113-139.

Kabata-Pendias, A., and H.K. Pendias. 1992. *Trace elements in soils and plants*. Second edition. CRC Press, Boca Raton, FL. 365 pp.

Kennedy/Jenks. 2003. Lamprey Harvest Reconnaissance Survey for 2002 Technical Memorandum. Draft. Prepared for the Lower Willamette Group, Portland, OR. Kennedy/Jenks Consultants, Portland, OR. (April 2003).

Kennedy/Jenks. 2004. Human Health Toxicity Values. Interim Deliverable. Prepared for the Lower Willamette Group. Kennedy/Jenks Consultants, Portland, OR.

Kennedy/Jenks. 2006. Portland Harbor RI/FS Technical Memorandum Human Health Risk Assessment: Exposure Point Concentration Calculation Approach and Summary of Exposure Factors. Prepared for the Lower Willamette Group. Kennedy/Jenks Consultants, Portland, OR.

Kennedy/Jenks and Integral. 2004. Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 3: Groundwater Pathway Assessment Pilot Study. Prepared for the Lower Willamette Group. Kennedy/Jenks Consultants, Portland, OR and Integral Consulting, Inc., Mercer Island, WA. December 16, 2004.

Kennedy/Jenks, Anchor, Integral, and Windward. 2006. Lower Willamette Group Technical Memorandum dated February 27, 2006 regarding Portland Harbor RI/FS approach to Determining Background. KJ06-0001. Prepared for the Lower Willamette Group, Portland, OR. Kennedy/Jenks Consultants, Portland, OR; Anchor Environmental, L.L.C., Seattle, WA, Integral Consulting Inc., Seattle, WA; Windward Environmental, LLC, Seattle, WA. February 26, 2006.

KHM. 1999. Environmental Site Assessment, GATX Terminals Corporation Linton Terminal. WLCGXV99. KHM Environmental Management, Inc. December, 1999.

KHM. 2000. Remedial Investigation Report, Willbridge Facility. WLRWTF98. KHM Environmental Management, Inc. December, 2000.

KHM. 2002a. Remedial Investigation Kinder Morgan Liquid Terminals, LLC, Linton Facility, Portland, OR. WLCGXB02. KHM Environmental Management, Inc. October, 2002.

KHM. 2002b. Revised 60-inch Storm Sewer Interim Remedial Actions Report, Tosco Willbridge Terminal, Portland, OR. WLCWTI00. KHM Environmental Management, Inc. May, 2002.

Kleinfelder. 2004a. Technical Memorandum: ExxonMobil Beach Sediment Sheen Sample Results. WLCMH04. Kleinfelder Inc., Beaverton, OR. August 13, 2004.

Kleinfelder. 2004b. Gunderson, Inc. Area 2 - Sandy Beach Area Upland Source Evaluation. WLCGNG03. Squier|Kleinfelder. February, 2004.

- Kotas, J., and Z. Stasicka. 2000. Chromium occurrence in the environment and methods of its speciation. *Environ. Pollut.* 107(263-283).
- KTA/TEC. 2010. Remedial Investigation Report U.S. Government Moorings Portland, OR. WLCMRD08. KTA/TEC Inc. May, 2010.
- Landau. 2000a. Baseline Sediment Characterization, In-Water Clear Zone Sampling Results, Ross Island Lagoon. WLCRIJ99. Landau Associates, Inc., Lake Oswego, OR. January 24, 2000.
- Landau. 2000b. Phase I Remedial Investigation, Ross Island Sand & Gravel Co. WLCRIV99. Landau Associates, Inc., Lake Oswego, OR. September 20, 2000.
- Landau. 2002a. Phase I - Soil Stockpile Removal Action Plan, Time Oil Northwest Terminal, Portland, Oregon. Landau Associates, Inc., Lake Oswego, OR.
- Landau. 2002b. Remedial Investigation/Risk Assessment, Ross Island Sand & Gravel Co., Portland, OR. Landau Associates, Lake Oswego, OR.
- Laurgaard, O. 1929. Personal communication (letter to A.L. Barbur, City of Portland Auditor, dated 1929). City of Portland, OR.
- Lee, K. 2002. Personal communication (phone conversation to K. Kerma). U.S. Geological Survey, Portland, OR.
- Lopes, T.J. and D.A. Bender. 1998. Nonpoint Sources of Volatile Organic Compounds in Urban Areas - Relative Importance of Land Surfaces and Air. *Environ. Pollut.* 101:221-230.
- LWG. 2006. Lower Willamette Group letter to EPA (C. Humphrey and E. Blischke) dated September 8, 2006, regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240. Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Lamprey (*Lampetra sp.*) Ammocoete Tissue. Lower Willamette Group, Portland, OR.
- LWG. 2008a. Lower Willamette Group memorandum to EPA dated July 3, 2008 regarding Background Data Processing and Outlier Identification. Lower Willamette Group, Portland, OR.
- LWG. 2008b. Lower Willamette Group memorandum to EPA dated September 3, 2008 regarding Responses to EPA's Comments on the LWG's Background Data Processing and Outlier Identification Memo (dated July 3, 2008). Lower Willamette Group, Portland, OR.
- Lyklema, J. 1991. *Fundamentals of interface and colloid science*. Vol. 1, Chapter 5. Academic Press, London, UK.
- MacColl, W.K. 1979. *The growth of a city, power and politics in Portland, Oregon 1915 to 1950*. Georgian Press, Portland, OR.
- McGroddy, S.E., and J.W. Farrington. 1995. Sediment porewater partitioning of polycyclic aromatic hydrocarbons in three cores from Boston Harbor, Massachusetts. *Environ. Sci. Technol.* 29:1542-1550.

- McGroddy, S.E., J.W. Farrington, and P.M. Gschwend. 1996. Comparison of the *in situ* and desorption sediment-water partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls. *Environ. Sci. Technol.* 30:172–177.
- Merk, Frederick. (editor). 1968. *Fur Trade and Empire*. Revised edition. Belknap Press, Cambridge, Massachusetts.
- MFA. 1997. Baseline Sediment Assessment. RIEDEL97. Maul Foster & Associates, Inc., Portland, OR. November 20, 1997.
- MFA. 2003. Final Remedial Investigation and Risk Assessment, Zidell Waterfront Property. WLCZDI00. Maul Foster & Alongi, Inc., Portland, OR. 2003.
- MFA. 2004. Supplemental Remedial Investigation Report: Riverbank Characterization, Zidell Waterfront Property. WLCZDH04. Maul Foster & Alongi, Inc., Portland, OR. 2004.
- MFA. 2005a. Results of In-River Sediment and Groundwater Investigation. Prepared for Siltronic Corporation. Maul Foster and Alongi, Inc., Portland, OR.
- MFA. 2005b. Supplemental Investigation Report, Siltronic Surface Water and TZW Data. WLCSLH01. Prepared for Siltronic Corporation, Portland, OR. Maul Foster and Alongi, Inc., Portland, OR. September 8, 2005.
- MFA. 2007. EIB Pilot Study Report. Prepared for Siltronic Corporation, Portland, OR. Maul Foster & Alongi, Inc., Portland, OR.
- MFA. 2009. Zidell Waterfront Property. WLCZDI07. Maul Foster & Alongi, Inc., Portland, OR. May, 2009.
- Miller, S. 2006. Personal communication (e-mail to S. FitzGerald, Integral). U.S. Geological Survey, Portland, OR.
- Moore, D.G., and B.R. Loper. 1980. DDT residues in forest floors and soils of western Oregon, September – November 1966. *Pestic Monit. J.* 14(3):77-85.
- Morgan, D. S., and W.D. McFarland. 1996. Simulation Analysis of the Ground-Water Flow System in the Portland Basin, Oregon and Washington. U.S. Geological Survey Water-Supply Paper 2470-B. Prepared in cooperation with Oregon Water Resources Department, City of Portland Bureau of Water Works and Intergovernmental Resource Center, Portland, OR.
- Motelay, A., B. Garban, K. Tiphagne-Larcher, M. Chevreuil, and D. Ollivon. 2006. Mass balance for polycyclic aromatic hydrocarbons in the urban watershed of Le Havre (France): Transport and fate of PAHs from the atmosphere to the outlet. *Water Research* 40:1995-2006.
- Moulton, Gary E. (editor). 1990. *The Journals of the Lewis and Clark Expedition*. Vol. 6: November 2, 1805 - March 22, 1806. University of Nebraska Press, Lincoln, Nebraska and London.
- MWH. 2008. Draft Results for PCBs in Precipitation in Portland Area. MWH Americas Inc., Portland, OR. July, 2008.

MWH. 2009. GE Energy – Energy Services, 2008 Groundwater Assessment Report. Prepared for GE Energy, Portland, OR. MWH Americas, Inc., Portland, OR. February 27, 2009.

NASSCO. 1999. Contaminated Sediment Management Guide for NSRP Shipyards, a Final Report for N1-96-02. National Steel and Shipbuilding Company, San Diego, CA. July, 1999.

NOAA. 2000. Climatology of the United States, No. 20, 1971-2000. Available at <http://cdo.ncdc.noaa.gov/climatenormals/clim20/or/356751.pdf>. National Oceanic & Atmospheric Administration, National Climatic Data Center, Asheville, NC.

NOAA. 2009. Data Acquisition and Processing Report. OPR-N338-KR-08, Columbia River, Oregon. National Oceanic & Atmospheric Administration, National Ocean Service. May, 2009.

NOAA. 2010. Climate of Portland. <http://www.wrh.noaa.gov/pqr/pdxclimate/introduction.pdf>. National Oceanic & Atmospheric Administration, National Weather Service Forecast Office, Portland, OR.

NOAA. 2011. Portland Airport, Oregon, Normals, Means, and Extremes. Available at http://www.wrh.noaa.gov/pqr/climate/pdx_clisummary.php. Accessed on February 1, 2011. National Oceanic & Atmospheric Administration, National Weather Service, Portland, OR.

North, K.D. 2004. Tracking polybrominated diphenyl ether releases in a wastewater treatment plant effluent, Palo Alto, California. *Environ. Sci. Technol.* 38(17):4484–4488.

NRC. 2009. CDL Pacific Grain, Irving Terminal (RM 11.4), Final Water Quality Report and Project Completion Report. Prepared for CDL Pacific Grain, Portland, OR. Northern Resource Consulting Inc., Longview, WA. October 19, 2009.

NRC. 2010. National Response Center Incident Summary Database: 2008-2010. National Response Center, Washington, DC. Accessed January 19, 2010.

NRCS. 1983. Soil Survey of Multnomah County, Oregon. Prepared for United States Department of Agriculture, Soil Conservation Service and Forest Service, in cooperation with Oregon Agricultural Experiment. Prepared by George L. Green, Soil Conservation Service Fieldwork by Richard T. Smythe and Calvin T. High Soil Conservation Service.

ODHS, EPA, and ATSDR. 2003. Salmon, Sturgeon, and Lamprey Tissue Investigation, Portland Harbor Site. WLTASE03. Prepared for Oregon Department of Health Services, Portland, OR, U.S. Environmental Protection Agency Region 10, Seattle, WA, and U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, Atlanta, GA. 2003.

Oregon Historical Society. 2002. The Oregon History Project. Available at <http://www.ohs.org/education/oregonhistory/index.cfm>. Oregon Historical Society, Portland, OR.

Oregon Wetlands Joint Venture. 1994. Joint Venture Implementation Plans Lower Columbia River. Oregon Wetlands Joint Venture, West Linn, Oregon. Prepared for Pacific Coast Joint Venture.

- Oregonian. 1946. Oregon Shipyard Assigned Scrap Job. *The Oregonian*, Portland, OR. September 17, 1946.
- Oregonian. 1958. Flames Raze Modern Dock. *The Oregonian*, Portland, OR. September 12, 1958.
- Oregonian. 1966a. Million Dollar Fire Hits Portland Log Farm. *The Oregonian*, Portland, OR. July 28, 1966.
- Oregonian. 1966b. Waterfront Fire Leaves Grain Handling Complex in Ruins. *The Oregonian*, Portland, OR. October 12, 1966.
- Oregonian. 1967. Wind, Poor Access Make Fire Fight Tough. *The Oregonian*, Portland, OR. October 14, 1967.
- OSSA. 1950. Water Pollution Control in the Willamette River Basin. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1953. Quarterly Report - July, August, September 1953. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1954a. Quarterly Report - April, May, June 1954. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1954b. Quarterly Report - July, August, September 1954. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1955. Quarterly Report - July, August, September 1955. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1957. Interim Report on the Status of Water Pollution Control in the Willamette River Basin. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1958. Tenth Biennial Report of the Oregon State Sanitary Authority for the period July 1, 1956 to June 30, 1958. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1963. Willamette River Harbor Pollution Survey. Oregon State Sanitary Authority, Portland, OR. November, 1963.
- OSSA. 1964. Report on Water Quality and Waste Treatment Needs for the Willamette River. Oregon State Sanitary Authority, Portland, OR. May, 1994.
- OSSA. 1966. 1966 Follow-up Report Willamette River Harbor Pollution Survey. Oregon State Sanitary Authority, Portland, OR. October, 1966.
- OSSA. 1967a. Special Water Quality Standards for Multnomah Channel and Willamette River From SAIC. Pretreatment Audit Report, Prepared for City of Portland, Portland, Oregon. Oregon State Sanitary Authority, Portland, OR. September, 1967. pp. 4,18-19.

- OSSA. 1967b. Implementation and Enforcement Plan for the Public Waters of the State of Oregon. Oregon State Sanitary Authority, Portland, OR. May, 1967.
- OSSA. 1967c. Memorandum of December 28, 1967 from Harold Sawyer to Oregon State Sanitary Authority Members. Subject: Waste Discharge Permits. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1968a. State Sanitary Authority Meeting, May 24, 1968. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1968b. State Sanitary Authority Meeting, March 29, 1968. Oregon State Sanitary Authority, Portland, OR.
- OSSA. 1968c. State Sanitary Authority Meeting, Sept. 27, 1968. Oregon State Sanitary Authority, Portland, OR.
- Parametrix. 2002. MarCom Expanded Preliminary Assessment, Portland, OR. WLCMCB02. Parametrix, Portland, OR. 2002.
- Parametrix. 2006. Gasco Early Removal Action Construction Oversight Report. Prepared for U.S. Environmental Protection Agency Region 10, Portland, OR. Parametrix, Portland, OR.
- Parson Brinckerhoff. 2004. Sampling and Analysis Plan, Fred's Marina Multnomah Channel, Portland, Oregon. Prepared for Frevach Land Co. Parson Brinckerhoff Ports & Marine, Inc., Portland, OR.
- Parson Brinckerhoff. 2005. Sediment Data Report Ash Grove Cement Company Willamette River Portland, Oregon. WLCACF05. Parson Brinckerhoff Ports & Marine, Inc., Portland, OR. September 19, 2005.
- PES. 2008. Draft Stormwater Pathway Investigation Work Plan. Prepared for Univar USA Inc., Portland, OR. PES Environmental, Inc., Seattle, WA. June 25, 2008.
- Petersen, M.D., Frankel, A.D., Harmsen, S.C., Mueller, C.S., Haller, K.M., Wheeler, R.L., Wesson, R.L., Zeng, Yuehua, Boyd, O.S., Perkins, D.M., Luco, Nicolas, Field, E.H., Wills, C.J., and Rukstales, K.S., 2011, Seismic-Hazard Maps for the Conterminous United States, 2008: U.S. Geological Survey Scientific Investigations Map 3195, 6 sheets, scale 1: 7,000,000. Petroni, R. 2011. Personal communication (e-mail of March 11, 2011 to B. Redding, Integral Consulting, regarding RI Table 6.1-3). Anchor QEA, LLC, Montvale, NJ.
- Pfafflin, J.R., and E.N. Ziegler, eds. 2006. *Encyclopedia of environmental science and engineering*. Fifth Edition. Vol. 2. Taylor & Francis, London.
- Pham, T., and S. Proulx. 1997. PCBs and PAHs in the Montreal urban community (Quebec, Canada) wastewater treatment plant and in the effluent plume in the St. Lawrence River. *Wat. Res.* 31(8):1887–1896.
- PNG. 2001. Chevron Willbridge Terminal Dock Sediment Sampling. Prepared for Chevron Products Company. WLCCPF01. PNG Environmental, Portland, OR. 2001.

- PNG and Anchor. 2002. Willbridge Terminal Post-Dredging Sediment Characterization Data Report Portland, OR. WLCWTG02. PNG Environmental, Inc., and Anchor Environmental, L.L.C., October, 2002.
- Porter. 1962. *Chlorine – its manufacture, properties, and uses*. Chapter 20 – DDT. J.S. Sconce (ed.). Reinhold Publishing Corporation, New York, Amsterdam, London.
- Portland Tribune. 2009. The forgotten ships: A veteran's family discovers what most in the city don't know – the war relics living around us. Portland Tribune, Portland, OR. June 4, 2009, updated October 30, 2009.
- Port of Portland. 1981. Rivergate Industrial District Dredge Fill History (through June 2, 1981). Map Drawing. Port of Portland, Portland, OR.
- Port of Portland. 2011a. PortCurrents: Environmental and Community News. <http://www.portofportland.com/publications/PortCurrents/?tag=/marine>. Accessed January 16, 2013. Port of Portland, Portland, OR.
- Port of Portland. 2011b. Terminal 4 Sediment Cleanup. http://www.portofportland.com/T4_EA_Home.aspx. Accessed on January 10, 2011. Port of Portland, Portland, OR.
- PPA. 1967. Plywood in Retrospect: Portland Manufacturing Company. Plywood Pioneers Association, Tigard, OR.
- PTI. 1989. Data Validation Guidance Manual for Selected Sediment Variables. Draft Report. Prepared for Washington Department of Ecology. PTI Environmental Services, Inc., Bellevue, WA.
- PTI. 1992. McCormick & Baxter Creosoting Company Remedial Investigation Report. Prepared for Oregon Department of Environmental Quality, Portland, OR. PTI Environmental Services, Bellevue, WA.
- R Development Core Team. 2008. R: A Language and Environment for Statistical Computing. ISBN 3-900051-07-0. R Foundation for Statistical Computing, Vienna, Austria.
- Reinfelder, R.R., L.A. Totten, and S.J. Eisenreich. 2004. The New Jersey Atmospheric Deposition Network. Final Report. Prepared for the New Jersey Department of Environmental Protection, Trenton, NJ. Department of Environmental Sciences, Rutgers University, New Brunswick, NJ. January, 2004.
- Ross, Alexander. 1986. [1849] Adventures of the First Settlers on the Oregon or Columbia River, 1810-1813. Smith, Elder and Company, Cornhill, England. 1986 reprint of 1904 edition, University of Nebraska Press, Lincoln.
- SAIC. 1987. Pretreatment Audit Report, City of Portland, Oregon. Prepared for Oregon Department of Environmental Quality, Portland, OR. Science Applications International Corporation, Los Altos, CA.

Saleeby, Becky Margaret. 1983. Prehistoric Settlement Patterns in the Portland Basin of the Lower Columbia River: Ethnohistoric, Archaeological, and Biogeographic Perspectives. Unpublished Ph.D. dissertation, Department of Anthropology, University of Oregon, Eugene.

Sanders, D. 2006. Compact Disk of City of Portland BES Watershed Program Data Set, Portland, OR. City of Portland, Portland, OR.

Scheuler, T. 1987. Controlling Urban Runoff: A Practical Manual for Planning and Designing Urban BMPs. Metropolitan Washington Council of Governments, Washington, DC.

Schnitzer Steel Industries. 1998. International Terminals-Sediment Sampling Event, Memorandum Draft, Portland, OR. WLCITH98. Schnitzer Steel Products Company. December 1998.

Sea Engineering. 2006. Draft Sedflume Analysis, Willamette River, Portland, OR. Prepared for Integral Consulting Inc., Mercer Island, WA. Sea Engineering, Inc., Santa Cruz, CA.

SEA. 1998. Portland Shipyard Sediment Investigation Data Report. PSYSEA98. Striplin Environmental Associates, Inc., Olympia, WA. November, 1998.

SEA. 2000. Marine Terminal 1 Baseline Investigation Final Report, Port of Portland, Portland, OR. WLCT1F00. Striplin Environmental Associates, Inc., Olympia, WA. August, 2000.

SEA. 2001. Combined Sampling and Analysis Plan/Quality Assurance Project Plan for the Lower Willamette River Sediment Profile Image Survey. Draft. Prepared for the Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc., Olympia, WA. April 24, 2001.

SEA. 2002a. Integration of Sediment Trend Analysis (STA[®]) Survey Results with Historic Bathymetry in the Lower Willamette River. Draft. Prepared for the Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc., Olympia, WA. April 26, 2002.

SEA. 2002b. Sediment Profile Image Survey of the Lower Willamette River. Prepared for the Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc., Olympia, WA. April 26, 2002.

SEA. 2002c. Fish Tissue Homogenization and Shipping SOP Round 1 Portland Harbor RI/FS. Prepared for Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc., Olympia, WA. August 28, 2002.

SEA. 2002d. Portland Harbor RI/FS Round 1 Quality Assurance Project Plan Final Report. Prepared for Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc., Olympia, WA. November 22, 2002.

SEA. 2002e. Field sampling plan, Round 1A Lower Willamette River ISA RI/FS. Prepared for the Lower Willamette Group. Striplin Environmental Associates, Inc., Olympia, WA.

SEA. 2002f. Portland Harbor RI/FS Round 1 Health and Safety Plan. Prepared for the Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Olympia, WA.

SEA and DEA. 2003. Lower Willamette River May 2003 Multibeam Bathymetric Survey Report, Draft. Prepared for the Lower Willamette Group. Striplin Environmental Services, Inc., Olympia, WA and David Evans and Associates, Inc., Portland, OR. September 2, 2003.

SEA and Windward. 2003. Technical Memorandum: Lamprey Ammocoete and Benthic Infaunal Biomass Reconnaissance Surveys of the Lower Willamette River, September 16-17, 2002 and October 8-9, 2002. Prepared for the Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc., Olympia, WA and Windward Environmental, LLC, Seattle, WA.

SEA, Fishman, Ellis, Windward, Anchor, and Kennedy/Jenks. 2003. Portland Harbor RI/FS Round 1 Field Sampling Report. Prepared for the Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc., Olympia, WA; Fishman Environmental Services, Portland, OR; Ellis Environmental Services, Estacada, OR; Windward Environmental LLC, Seattle, WA; Anchor Environmental LLC., Seattle, WA; Kennedy/Jenks Consultants, Portland, OR.

SEA, Windward, Anchor, and Kennedy/Jenks. 2002a. Field Sampling Plan Round 1A Portland Harbor RI/FS, Draft. Prepared for Lower Willamette Group, Portland OR. Striplin Environmental Associates, Inc, Olympia, WA, Winward Environmental, LLC, Seattle, WA, Anchor Environmental LLC, Seattle, WA, and Kennedy/Jenks Consultants, Portland, OR. Draft. April 22, 2002.

SEA, Windward, Anchor, and Kennedy/Jenks. 2002b. Round 1 Field Sampling Plan, Portland Harbor RI/FS. Prepared for Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc, Olympia, WA Winward Environmental, LLC, Seattle, WA, Anchor Environmental LLC, Seattle, WA, and Kennedy/Jenks Consultants, Portland, OR. Draft. June 14, 2002.

SEA, Windward, and Kennedy/Jenks. 2002a. Fish Tissue Sampling SOP Round 1A Portland Harbor RI/FS. Prepared for Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc, Olympia, WA, Winward Environmental, LLC, Seattle, WA, and Kennedy/Jenks Consultants, Portland, OR. August 28, 2002.

SEA, Windward, and Kennedy/Jenks. 2002b. Fish Tissue Compositing and Shipping SOP Round 1A Portland Harbor RI/FS. Prepared for Lower Willamette Group, Portland, OR. Striplin Environmental Associates, Inc, Olympia, WA, Winward Environmental, LLC, Seattle, WA, and Kennedy/Jenks Consultants, Portland, OR. August 28, 2002.

Sedell, J.R. and J.L. Froggatt. 1984. Importance of streamside forests to large rivers: the isolation of the Willamette River, Oregon, USA, from its floodplain by snagging and streamside forest removal. *Verh. Internat. Verein. Limnol.* (22):1828-1834.

Seinfeld, J.H. and S.N. Pandis. 1998. *Atmospheric chemistry and physics: From air pollution to climate change.* Wiley, New York.

- SES. 2008. Stormwater Assessment Work Plan – Container Management Services, LLC. Prepared for IMACC Corporation. Strategic Engineering and Science, Inc., Oakland, CA. February 20, 2008.
- Showalter, S., and J. Savarese. 2005. Restrictions on the use of marine antifouling paints containing tributyltin and copper. National Sea Grant Law Center, Washington, DC. August, 2005.
- Smith, C.H. 1936. Sewage Disposal Recapitulation. Sewer Engineer, Portland, OR.
- Song, M., S. Chu, R.J. Letcher, and R. Seth. 2006. Fate, partitioning, and mass loading of polybrominated diphenyl ethers (PBDEs) during treatment processing of municipal sewage. *Environ. Sci. Technol.* 40(20):6241–6246.
- Spaulding, Kenneth A. (editor) 1953. On the Oregon Trail: Robert Stuart's Journey of Discovery. University of Oklahoma Press, Norman.
- Stellman, J.M, ed. 1998. *Encyclopedia of occupational health and safety*. Vol. 3. International Labour Office, Geneva, Switzerland.
- Steuer, J. 1995. A Deterministic PCB Transport Model for the Lower Fox River Between Lake Winnebago and DePere, Wisconsin. Wisconsin Department of Natural Resources, Madison, WI, May, 1995.
- Stevens & Thompson. 1964. Portland Sewerage Study, 1964. Stevens & Thompson, Inc., Portland, OR.
- Strait, S.R. and R.B. Mercer. 1986. Hydraulic Property Data from Selected Test Zones on the Hanford Site. Document No. BWI-DP-051. Prepared for the U.S. Department of Energy. Rockwell Hanford Operations, Richland, WA.
- Struyf, H. and R. Van Grieken. 1993. An overview of wet deposition of Micropollutants to the North Sea. *Atmosph. Environ.* 27(16):2669-2687.
- Stumm, W. 1992. *Chemistry of the solid-water interface*. John Wiley & Sons, New York.
- Sun, P., B. Ilora, P. Blanchard, K. Brice, and R. Hites. 2007. Temporal and spatial trends of atmospheric polychlorinated biphenyl concentrations near the Great Lakes. *Environ. Sci. Tech.* 41:1131-1136.
- Swanson, R.D., W.D. McFarland, J.B. Gonthier, and J.M. Wilkinson. 1993. A Description of Hydrogeologic Units in the Portland Basin, Oregon and Washington. USGS Water-Resources Investigations Report 90-4196. U.S. Geological Survey, Menlo Park, CA.
- Tabor, James E. 1976. Inventory of Riparian Habitats and Associated Wildlife Along Columbia River and Snake Rivers. Volume 2A: Lower Columbia River. Oregon Cooperative Wildlife Research Unit, Oregon State University. Prepared for U.S. Army Corps of Engineers, Wildlife Work Group, Portland, Oregon.

Tetra Tech. 2002. Theoretical and Computational Aspects of Sediment and Contaminant Transport in the EFDC Model. EFDC Technical Memorandum, Third Draft. U.S. Environmental Protection Agency, Offices of Science and Technology, Washington, DC. Tetra Tech, Inc., Redmond, WA.

Tetra Tech. 2006. Dredge Material Management Plan Sediment Characterization Report Lower Willamette River Federal Navigation Channel, OR. WLCDRD05. Prepared for the U.S. Army Corps of Engineers, Portland District, Portland, OR. Tetra Tech EC, Inc., Portland, OR. January 2006.

Tetra Tech and E&S. 1993. Willamette River Basic Water Quality Study, Component 8: Willamette River Basin Nonpoint Source Pollution Component Report. Final Report TC 8983-08. Prepared for Oregon Department of Environmental Quality, Portland, OR. Tetra Tech, Inc., Redmond, WA.

Trimble, D.E. 1963. Geology of Portland, Oregon and Adjacent Areas. A Study of Tertiary and Quaternary Deposits, Lateritic Weathering Profiles, and Quaternary History of Part of the Pacific Northwest. USGS Bulletin 1119. U.S. Department of the Interior, U.S. Geological Survey. U.S. Government Printing Office, Washington, DC. 119 pp.

Uhrich, M.A. and D.A. Wentz. 1999. Environmental Setting of the Willamette Basin, Oregon. Water-Resources Investigations Report 97/4082-A. U.S. Geological Survey, Portland, OR.

URS. 2000. Remedial Investigation Conceptual Work Plan, U.S. Coast Guard, MSO/Group, Portland, Oregon. URS Corporation, Portland, OR.

URS. 2003. Final Limited Sediment Investigation Report U.S. Government Moorings, Portland, OR. WLCMRI02. URS Corporation. May, 2003.

URS. 2007. BP Bulk Terminal 22T Supplemental Sediment and Revetment Investigation Portland, OR. WLCBPE06. URS Corporation. March, 2007.

URS. 2009. Interim Construction Report Revetment Source Control Measure BP Bulk Terminal 22T, Portland, OR. WLCARI08. URS Corporation. March, 2009.

URS. 2010. Data Report Portland General Electric Willamette River Sediment Investigation River Miles 13.1 and 13.5, Portland, OR. WLLGEC10. URS Corporation. June 16, 2010.

USACE. 1966. Vertical Datum Planes in Oregon. U.S. Army Corps of Engineers, Portland District, Portland, OR.

USACE. 1973. Post Office Bar and Mouth of Willamette. Map. U.S. Army Corps of Engineers, Portland District, Portland, OR.

USACE. 1991. Portland - Vancouver Harbor Information Package, Reservoir Regulation and Water Quality Section. U.S. Army Corps of Engineers, Portland District, Portland, OR.

USACE. 1999a. Willamette River Sediment Sampling Evaluation. WLR0499. U.S. Army Corps of Engineers, Portland, OR. June, 1999.

USACE. 1999b. Results of July 1997 Willamette River Sediment Study. WLR0797. U.S. Army Corps of Engineers, Portland, OR.

USACE. 1999c. CECW-PE (10-1-7a): Columbia and Lower Willamette Rivers Federal Navigation Channel, Oregon and Washington. U.S. Army Corps of Engineers, Washington, DC. December 23, 1999.

USACE. 2000. Willamette River Sediment Sampling Evaluation. U.S. Army Corps of Engineers, Portland District, Portland, OR.

USACE. 2003. Evaluation of Dredged Material Proposed for Disposal at Island, Nearshore, or Upland Confined Disposal Facilities - Testing Manual. Engineer Research and Development Center. Environmental Laboratory. ERDC/EL TR-03-1. U.S. Army Corps of Engineers, Vicksburg, Mississippi.

USACE. 2004a. Department of the Army Permit, Schnitzer Steel Industries, Inc. Permit No. 199100099. U.S. Army Corps of Engineers, Portland District, Portland, OR.

USACE. 2004b. Department of the Army Permit, Schnitzer Steel Industries, Inc. Permit No. 199200812. U.S. Army Corps of Engineers, Portland District, Portland, OR.

USACE. 2009. Willamette River FNC Post Office Bar Reach (RM 2.2) Sediment Quality Evaluation Report. WLCPOB02. U.S. Army Corps of Engineers, Portland District. February, 2009.

USACE. 2010a. News Release: Corps to Dredge Post Office Bar Summer of 2011. U.S. Army Corps of Engineers, Portland, OR.

USC&GS. 1888. Columbia River: Fales Landing to Portland Map. U.S. Coast and Geodetic Survey.

US Census Bureau. 2010. State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits, Consolidated Federal Funds Report. Last Revised: Thursday, 10-Jan-2013.

USEPA. 1983. Guidance Manual for POTW Pretreatment Program Development. U.S. Environmental Protection Agency, Office of Water Enforcement and Permits, Washington, DC. October, 1983.

USEPA. 1986. Guidelines for Carcinogen Risk Assessment. Federal Register 51(185):33992-43003. September 24, 1986.

USEPA. 1988. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. Interim Final. EPA/540/G-89/004. OSWER Directive 9355.3-01. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC.

USEPA. 1989. Risk Assessment Guidance for Superfund (RAGS): Volume 1 - Human Health Evaluation Manual (Part A). Interim Final. EPA/540/1-89/002. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC. December, 1989.

USEPA. 1991. Risk Assessment Guidance for Superfund, Volume I. Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors, Interim Final. OSWER Directive: 9285.6-03. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC.

USEPA. 1992. Supplemental Guidance to RAGS: Calculating the Concentration Term. OSWER Publication 9285.7-081.

USEPA. 1993a. Data quality process for Superfund. Interim final. EPA-540-G93-071. US Environmental Protection Agency, Washington, DC.

USEPA. 1993b. Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons. EPA/600/R-93/089. U.S. Environmental Protection Agency, Office of Health and Environmental Assessment, Washington, DC. July, 1993.

USEPA. 1994. Estimating Exposure to Dioxin-Like Compounds, Volume II: Properties, Sources, Occurrence and Background Exposures. Review Draft. EPA/600/6 88/005Cb. Interim Final. U.S. Environmental Protection Agency, Environmental Response Team, Edison, NJ.

USEPA. 1995a. Environmental data quality at DOD Superfund sites in Region 9. <http://www.epa.gov/oig/reports/1995/ffqar9rp.htm> . Office of Inspector General, US Environmental Protection Agency, Washington, DC. Cited August 10, 2007.

USEPA. 1995b. Determination of Background Concentrations of Inorganics in Soils and Sediments at Hazardous Waste Sites. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

USEPA. 1996. NATA Modeled Ambient Concentrations. U.S. Environmental Protection Agency, Washington, DC.

USEPA. 1997a. Profile of the Shipbuilding and Repair Industry. EPA/310-R-97-008. U.S. Environmental Protection Agency, Office of Enforcement and Compliance Assurance, Washington, DC.

USEPA. 1997b. Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments. EPA/540/R-97/006. Interim Final. U.S. Environmental Protection Agency, Environmental Response Team, Edison, NJ.

USEPA. 1999. U.S. EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review. EPA 540/R-99/00801. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC. October, 1999.

USEPA. 2000a. Guidance for the Data Quality Objectives Process, EPA QA/G-4. EPA/600/R-96/055. U.S. Environmental Protection Agency, Office of Environmental Information, Washington DC. 100 pp.

USEPA. 2000b. EPA Region 10 Supplemental Human Health Risk Assessment Guidance, Office of Environmental Assessment, Soil Ingestion Rates. U.S. Environmental Protection Agency Region 10, Office of Environmental Assessment, Seattle, WA. January 25, 2000.

USEPA. 2000c. Bioaccumulation Testing and Interpretation for the Purpose of Sediment Quality Assessment. Status and Needs. EPA 823-R-00-001. U.S. Environmental Protection Agency, Office of Water and Office of Solid Waste, Washington, DC.

USEPA. 2001a. Administrative Order on Consent for the Remedial Investigation/Feasibility Study for Portland Harbor Superfund Site. U.S. Environmental Protection Agency Region 10, Office of Environmental Cleanup, Seattle, WA. September 28, 2001.

USEPA. 2001b. Risk Assessment Guidance for Superfund, Volume 1, Human Health Evaluation Manual (Part D, Standardized Planning, Reporting, and Review of Superfund Risk Assessments). Final. Publication 9285.7-47. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC. December, 2001.

USEPA. 2002a. USEPA contract laboratory program national functional guidelines for inorganic data review. EPA 540-R-01-008. Office of Emergency and Remedial Response, US Environmental Protection Agency, Washington, DC.

USEPA. 2002b. Role of Background in CERCLA Cleanup Program. OSWER 9285.6-07P. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

USEPA. 2002c. Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites. EPA 540/R-01/003, OSWER 9285.7-41. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

USEPA. 2002d. Estimated Per Capita Fish Consumption in the United States. EPA 821-C-02-003. U.S. Environmental Protection Agency, Washington, DC. August, 2002.

USEPA. 2002e. Columbia River Basin Fish Contaminant Survey, 1996-1998. EPA 910-R-02-006. August 12, 2002.

USEPA. 2003a. Administrative Order on Consent for the Remedial Investigation/Feasibility Study for Portland Harbor Superfund Site - Amendment 1. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR. June 16, 2003.

USEPA. 2003b. Human Health Toxicity Values in Superfund Risk Assessments. OSWER Directive 9285.7-53. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. December 5, 2003.

USEPA. 2004a. Preliminary Risk Assessment for Pentachlorophenol. U.S. Environmental Protection Agency, Washington, DC. November 1, 2004. Available at:
<http://www.epa.gov/pesticides/factsheets/chemicals/pentachlorophenol.htm>.

USEPA. 2004b. Polychlorinated Biphenyl Inspection Manual. EPA-305-X-04-002. U.S. Environmental Protection Agency, Office of Enforcement and Compliance Assurance, Washington, DC. August, 2004.

USEPA. 2004c. Risk Assessment Guidance for Superfund, Volume I. Human Health Evaluation Manual, (Part E, Supplemental Guidance for Dermal Risk Assessment), Final. EPA/540/R/99/005. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC. July, 2004.

USEPA. 2005a. Identification of Round 3 Data Gaps - Portland Harbor Superfund Site. U.S. Environmental Protection Agency Region 10, Portland, OR. December 2, 2005.

USEPA. 2005b. Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities. EPA530-R-05-006. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. September, 2005.

USEPA. 2005c. Guidelines for Carcinogen Risk Assessment. Risk Assessment Forum. Washington, D.C. EPA/630/P-03/001F. March 2005.

USEPA. 2005d. Contaminated Sediment Remediation Guidance for Hazardous Waste Sites. EPA-540-R-05-012. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. December, 2005.

USEPA. 2006a. Administrative Order on Consent for the Remedial Investigation/Feasibility Study for Portland Harbor Superfund Site - Amendment 2. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR. April 27, 2006.

USEPA. 2006b. EPA letter to the Lower Willamette Group dated February 17, 2006 (from C. Humphrey and E. Blischke to J. McKenna and R. Wyatt) regarding Portland Harbor RI/FS EPA Proposed Round 3 Scope of Work. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR.

USEPA. 2006c. Industrial Stormwater Fact Sheet Series, Sector R: Ship and Boat Building or Repair Yards. EPA-833-F-06-033. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006d. Industrial Stormwater Fact Sheet Series, Sector A: Timber Product Facilities. EPA-833-F-06-016. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006e. Industrial Stormwater Fact Sheet Series, Sector C: Chemical and Allied Products Manufacturing and Refining Facilities. EPA-833-F-06-018. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006f. Industrial Stormwater Fact Sheet Series, Sector AA: Fabricated Metal Products Facilities. EPA-833-F-06-042. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006g. Industrial Stormwater Fact Sheet Series, Sector F: Primary Metals Facilities. EPA-833-F-06-021. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006h. Industrial Stormwater Fact Sheet Series, Sector M: Automobile Salvage Yards. EPA-833-F-06-028. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006i. Industrial Stormwater Fact Sheet Series, Sector N: Scrap Recycling and Waste Recycling Facilities. EPA-833-F-06-029. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006j. Industrial Stormwater Fact Sheet Series, Sector D: Asphalt Paving and Roofing Materials and Lubricant Manufacturing Facilities. EPA-833-F-06-019. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006k. Industrial Stormwater Fact Sheet Series, Sector Q: Water Transportation Facilities. EPA-833-F-06-032. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006l. Industrial Stormwater Fact Sheet Series, Sector P: Land Transportation and Warehousing Facilities. EPA-833-F-06-031. U.S. Environmental Protection Agency, Office of Water, Washington, DC. December, 2006.

USEPA. 2006m. EPA letter to the Lower Willamette Group dated June 5, 2006 (from C. Humphrey and E. Blischke to J. McKenna and R. Wyatt) regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240—Technical Memorandum: Approach to Determining Background. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR.

USEPA. 2006n. An Inventory of Sources and Environmental Releases of Dioxin-Like Compounds in the United States for the Years 1987, 1995, and 2000. EPA/600/P-03/002F. U.S. Environmental Protection Agency, National Center for Environmental Assessment, Washington, DC.

USEPA. 2007. EPA letter to the Lower Willamette Group dated August 17, 2007 (from E. Blischke and C. Humphrey to J. McKenna and R. Wyatt) providing approval for initiation of Round 3B biota sampling. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR.

USEPA. 2008a. Evaluating Ground-Water/Surface-Water Transition Zones in Ecological Risk Assessments. Joint Document of the Ecological Risk Assessment Forum and the Ground Water Forum. Publication 9285.6-17. EPA-540-R-06-072. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. July, 2008.

USEPA. 2008b. EPA letter of January 15, 2008 to the Lower Willamette Group (from E. Blischke and C. Humphrey to J. McKenna and R. Wyatt) regarding the Comprehensive Round 2 Site Characterization and Data Gaps Analysis Report. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR.

USEPA. 2008c. EPA letter of July 24, 2008 to the Lower Willamette Group (from C. Humphrey and E. Blischke to R. Wyatt) regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA -10-2001-0240—Background Data Processing and Outlier Identification. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR.

USEPA. 2008d. EPA letter of September 19, 2008 to the Lower Willamette Group (from C. Humphrey and E. Blischke to R. Wyatt) regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA -10-2001-0240—Response to EPA Comments on the Background Data Processing and Outlier Identification Memo. U.S. Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR.

USEPA. 2008e. Problem formulation for the Baseline Ecological Risk Assessment at the Portland Harbor Site. Report and letter dated February 15, 2008 to Lower Willamette Group (from E. Blischke and C. Humphrey to J. McKenna and R. Wyatt). US Environmental Protection Agency Region 10, Oregon Operations Office, Portland, OR.

USEPA. 2009a. Columbia River Basin: State of the River for Toxics. 910-R-08-004. U.S. Environmental Protection Agency Region 10, Seattle, WA. January, 2009.

USEPA. 2009b. National Recommended Water Quality Criteria. U.S. Environmental Protection Agency, Office of Water and Office of Science and Technology, Washington, DC.

USEPA. 2010. Integrated Risk Information System (IRIS). Accessed November 2010 at <http://www.epa.gov/iris/>.

USEPA. 2013a. EPA letter and enclosure dated November 5, 2013 to Lower Willamette Group (from C. Humphrey and K. Koch to B. Wyatt) regarding Portland Harbor Superfund Site, Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240, Comments on the Remedial Investigation Report (Section 7) dated August 29, 2011. U.S. Environmental Protection Agency Region 10, Office of Environmental Cleanup, Seattle, WA. 2013.

USEPA. 2013b. ProUCL Version 5.0.00 Technical Guide, Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations. EPA 600/R-07/041. U.S. Environmental Protection Agency, Office of Research and Development, Washington, DC. September, 2013.

USFS. 1964. Forest Insect Conditions in the Pacific Northwest during 1963. P.W. Orr and L.F. Pettinger, authors. U.S. Department of Agriculture, U.S. Forest Service, Pacific Northwest Region, Portland, OR.

USFWS. 2007. Procedure for sampling fish, collecting tissues, and conducting an external fish health assessment. Oregon Fish and Wildlife Office, US Fish and Wildlife Service, Portland, OR. February 2, 2007 (revised February 16, 2007).

USGS. 2000. Interagency Field Manual for the Collection of Water-Quality Data. Open-File Report 00-213. Compiled by D.L. Lurry and C.M. Kolbe. U.S. Geological Survey, in cooperation with the U.S. Environmental Protection Agency, Austin, TX.

USGS. 2009. Field Sampling Report for the Collection of Eggs and Determination of Productivity of Osprey Nesting Within the Portland Harbor Superfund Site and Vicinity. WLRASE08. U.S. Geological Survey. October 30, 2009.

Van den Berg, M., L.S. Birnbaum, M. Denison, M. De Vito, W. Farland, M. Freeley, H. Fiedler, H. Hakansson, A. Hanberg, L. Haws, M. Rose, S. Safe, D. Schrenk, C. Tohyama, A. Tritscher, J. Tuomisto, M. Tysklind, N. Walker, and R.E. Peterson. 2006. The 2005 World Health Organization reevaluation of human and mammalian toxic equivalency factors for dioxins and dioxin-like compounds. *Tox. Sci.* 2(93):223-241.

Vile, J.S. and T.A. Friesen. 2004. Description and Categorization of Nearshore Habitat in the Lower Willamette River. Oregon Department of Fish and Wildlife, Clackamas, OR.

Wagner, P. 2004. Personal communication (letter to A. Guay). Linnton Community Center, Portland, OR.

Wania, F., D. Broman, J. Axelman, C. Naf, and C. Agrell. 2001. A multi-compartmental, multi-basic fugacity model describing the fate of PCBs in the Baltic Sea. Wulff, F., Rahm, L., and Larsson, P. eds. Springer, Berlin, Germany.

Watanabe N., S. Sakai, and H. Takatsuki. 1992. Examination for degradation paths of butyltin compounds in natural waters. *Water. Sci. Tech.* 25:117-124.

Wentz, D.A., B.A. Bonn, K.D. Carpenter, S.R. Hinkle, M.L. Janet, F.A. Rinella, M.A. Uhrich, I.R. Waite, A. Laenen, and K.E. Bencala. 1998. Water Quality in the Willamette Basin, Oregon, 1991-95: U.S. Geological Survey Circular 1161. U.S. Geological Survey, Portland, OR.

WEST. 2004. Hydrodynamic/Sedimentation Modeling for Lower Willamette River, Development of Modeling Approach, Technical Memorandum 001. Prepared for the Lower Willamette Group, Portland, OR. WEST Consultants, Inc., Bellevue, WA.

WEST. 2005. Revised Phase 1 Results: Hydrodynamic Sedimentation Modeling for Lower Willamette River. Draft Report. Prepared for the Lower Willamette Group, Portland, OR. WEST Consultants, Inc., Bellevue, WA.

WEST. 2006. Draft Technical Memorandum: Hydrodynamic Modeling for the Lower Willamette River, Evaluation of Flows in Multnomah Channel. WEST Consultants, Inc., Bellevue, WA. June 14, 2006.

WEST and Integral. 2005. Portland Harbor RI/FS Phase 1 Results: Hydrodynamic Sedimentation Modeling for the Lower Willamette River. Draft Report. Prepared for the Lower Willamette Group, Portland, OR. WEST Consultants, Inc., Bellevue, WA, in association with Integral Consulting Inc., Mercer Island, WA.

WEST and Integral. 2006. Portland Harbor RI/FS Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling for Lower Willamette River. Draft. IC06-0031. Prepared for Lower Willamette Group, Portland, OR. WEST Consultants, Inc., Bellevue, WA, in association with Integral Consulting Inc., Mercer Island, WA. December 8, 2006.

WEST and Tetra Tech. 2009. Portland Harbor RI/FS Revised Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling for the Lower Willamette River. Prepared for the Lower Willamette Group, Portland, OR. WEST Consultants, Inc., Bellevue, WA and Tetra Tech, Portland, OR. April, 2009.

Weston. 1998. Portland Harbor Sediment Investigation Report, Multnomah County, Oregon. 04000-019-036-AACE. WR-WSI98. Prepared for the U.S. Environmental Protection Agency and Oregon Department of Environmental Quality, Portland, OR. Roy F. Weston, Inc., Seattle, WA. May 1998.

WHO. 1990. International Programme on Chemical Safety. Environmental Health Criteria 116:11.1 World Health Organization, Geneva, Switzerland.

Willamette Basin Task Force. 1969. The Willamette Basin, Comprehensive Study of Water and Related Land Resources. Appendix B - Hydrology. Pacific Northwest River Basins Commission, Vancouver, WA.

Wilkie, P.J., G. Hatzimihalis, P. Koutoufides, and M.A. Connor. 1996. The contribution of domestic sources to levels of key organic and inorganic pollutants in sewage: The case of Melbourne, Australia. *Wat. Sci. Tech.* 34(3-4):63–70.

Williams, C. 2007. Rising trade challenges Port of Portland. Available at <http://www.oregonbusiness.com/articles/36/781#ixzz19cEdh9TJ>. Oregon Business. July, 2007.

Williams, H. 1911. A Navel Ship's Bottom Paint. Naval Institute Proceedings, Vol. 37. U.S. Naval Institute, Annapolis, MD. pp. 519–521.

Windward. 2003a. Aquatic Plant and Amphibian/Reptile Reconnaissance Survey. Prepared for Lower Willamette Group, Portland, OR. Windward Environmental, L.L.C., Seattle, WA. (March 7, 2003). *In* Portland Harbor RI/FS Programmatic Work Plan. Final. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA; Windward Environmental LLC, Seattle, WA; Anchor Environmental L.L.C., Seattle, WA; Kennedy/Jenks Consultants, Portland, OR; Groundwater Solutions Inc., Portland, OR, Appendix B, Attachment B2.

Windward. 2003b. Benthic Macroinvertebrate Community Sampling. Prepared for Lower Willamette Group, Portland, OR. Windward Environmental, L.L.C., Seattle, WA. (March 6, 2003). *In* Portland Harbor RI/FS Programmatic Work Plan. Final. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting Inc., Mercer Island, WA; Windward Environmental LLC, Seattle, WA; Anchor Environmental L.L.C., Seattle, WA; Kennedy/Jenks Consultants, Portland, OR; Groundwater Solutions Inc., Portland, OR, Appendix B, Attachment B1.

Windward. 2004. Personal communication (letter of July 16, 2004 to E. Blischke and C. Humphrey from L Saban and H. Andersen regarding shorebird beach sampling). Windward Environmental LLC, Seattle, WA.

Windward. 2005a. Portland Harbor RI/FS Round 2A Data Report Sediment Toxicity Testing. Prepared for the Lower Willamette Group, Portland OR. Windward Environmental LLC, Seattle, WA. April 8, 2005.

Windward. 2005b. Portland Harbor RI/FS Round 2 Sampling of Invertebrates using Multiplate Samplers Field Sampling Report. Prepared for the Lower Willamette Group. Windward Environmental LLC, Seattle, WA. November 23, 2005.

Windward. 2005c. Portland Harbor RI/FS. Ecological risk assessment supplemental memorandum: Sampling of benthic invertebrates using a benthic sledge, bongo net, and Schindler trap. WE-05-0002. Draft. Prepared for Lower Willamette Group. Windward Environmental LLC, Seattle, WA.

Windward. 2005d. Portland Harbor RI/FS. Ecological Preliminary Risk Evaluation. WE-05-0007. Draft. Prepared for the Lower Willamette Group. Windward Environmental LLC, Seattle, WA.

Windward. 2006a. Portland Harbor RI/FS Round 3 Sampling for Lamprey (*Lampetra sp.*) Tissue Field Sampling Report. WE-06-0011. Prepared for the Lower Willamette Group. Windward Environmental LLC, Seattle, WA. December 15, 2006.

Windward. 2006b. Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Lamprey (*Lampetra sp.*) Ammocoete Tissue. WE-06-0002. Prepared for the Lower Willamette Group. Windward Environmental LLC, Seattle, WA. August 24, 2006.

Windward. 2006c. Portland Harbor RI/FS Round 3 Lamprey Ammocoete Toxicity Testing Field Sampling Plan. Draft. WE-06-0005. Prepared for the Lower Willamette Group. Windward Environmental LLC, Seattle, WA. September 29, 2006.

Windward. 2006d. Portland Harbor RI/FS Round 3 Lamprey Ammocoete (*Lampetra sp.*) Toxicity Testing Quality Assurance Project Plan. Draft. WE-06-0007. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA. October 13, 2006.

Windward. 2007a. Portland Harbor RI/FS Round 3 Lamprey (*Lampetra* SP.) Phase 1 Toxicity Testing Report. WE-07-0001. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA. April 6, 2007.

Windward. 2007b. Portland Harbor RI/FS Round 3 Sampling for Pre-Breeding White Sturgeon (*Acipenser Transmontanus*) Tissue Field Sampling Report. WE-07-0002. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA. May 1, 2007.

Windward. 2007c. Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Pre-Breeding White Sturgeon (*Acipenser Transmontanus*) Tissue. WE-06-0004. Prepared for the Lower Willamette Group. Windward Environmental LLC, Seattle, WA. February 16, 2007.

Windward. 2007d. Portland Harbor RI/FS Round 3B Field Sampling Plan: Sediment Sampling and Benthic Toxicity Testing. WE-07-0003. Prepared for the Lower Willamette Group. Windward Environmental LLC. May 4, 2007.

Windward. 2007e. Portland Harbor RI/FS Round 3 Lamprey Ammocoete (*Lampetra* sp.) Toxicity Testing Quality Assurance Project Plan Addendum: Phase 2 Lamprey Ammocoete Collection and Testing. WE-07-0007. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA. July 6, 2007.

Windward. 2007f. Portland Harbor RI/FS Health and Safety Plan: Round 3B Fish and Invertebrate Tissue and Collocated Sediment Sampling. Draft. WE-07-0008. Prepared for Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA.

Windward. 2008a. Portland Harbor RI/FS Round 3 Lamprey Ammocoete Phase 2 Toxicity Testing Data Report. WE-08-0003. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA. May 7, 2008.

Windward. 2008b. Portland Harbor RI/FS Round 3B Bioassay Testing Data Report. WE08-0002. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA. April 21, 2008.

Windward. 2009. Portland Harbor RI/FS Bioaccumulation Modeling Report. Draft. WE-09-0003. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA. July 21, 2009.

Windward and Integral. 2005a. Portland Harbor Superfund Site Ecological Risk Assessment Technical Memorandum: Results of Field Sampling Reconnaissance for Invertebrates Using a Benthic Sledge, Bongo Net, Diaphragm Pump, and Schindler Trap. WE-05-0002. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA and Integral Consulting Inc., Mercer Island, WA. August 25, 2005.

Windward and Integral. 2005b. Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Benthic Invertebrate Tissue. WE-05-0008. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA, and Integral Consulting, Inc., Mercer Island, WA. November 18, 2005.

Windward and Integral. 2005c. Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Invertebrates using Multiplate Samplers. Draft. WE-05-0006. Prepared for Lower Willamette Group. Windward Environmental LLC, Seattle, WA and Integral Consulting, Inc., Mercer Island, WA. June 17, 2005.

Windward and Integral. 2006. Portland Harbor RI/FS Round 2 Sampling of Benthic Invertebrate Tissue Field Sampling Report. Draft. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle WA, and Integral Consulting, Inc., Mercer Island, WA. February 20, 2006.

Windward and Integral. 2007. Portland Harbor RI/FS Round 2 Mussel and Lamprey Ammocoete Tissue Data Report. WE-07-0009. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA and Integral Consulting Inc., Mercer Island, WA. October 1, 2007.

Windward and Integral. 2008. Portland Harbor RI/FS Round 3 Sampling for Pre-Breeding White Sturgeon (*Acipenser transmontanus*) Tissue Data Report. Draft. WE-08-0001. Prepared for the Lower Willamette Group, Portland, OR. Windward Environmental LLC, Seattle, WA and Integral Consulting Inc., Mercer Island, WA. February 29, 2008.

Wong, I.G., M.A. Hemphill-Haley, L.M. Liberty, and I.P. Madin. 2001. The Portland Hills Fault: An Earthquake Generator or Just Another Old Fault? *In: Oregon Geology*, Volume 63, No. 2. Oregon Department of Geology and Mineral Industries, Portland, OR.

Wood, T. 2002. Personal Communication (phone conversation May 29, 2002 with Karl Kcrma, Parsons Brinckerhoff). U.S. Geological Survey, Portland, OR.

Wood, T. 2013. Personal Communication (emails of 4/5/2013 and 4/23/2013 regarding Willamette River velocity data collected in 2000). U. S. Geological Survey, Oregon Water Science Center, Portland, OR.

Wydoski, R.S., and R.R. Whitney. 2003. *Inland fishes of Washington*. 2nd Edition. University of Washington Press, Seattle, WA.

Xie, Z., R. Ebinghaus, C. Temme, A. Caba, and W. Ruck. 2005. Atmospheric concentrations and air–sea exchanges of phthalates in the North Sea (German Bight). *Atmosph. Environ.* 39:3209-321.

Yalkowsky, S.H., S.C. Valvani, and G.L. Amidon. 1976. Solubility of non-electrolytes in polar solvents. Vol. IV. Nonpolar Drugs in Mixed Solvents. *J. Pharm. Sci.* 64(1):48-53.

Yelen, T.S., and H.J. Patton. 1991. Seismotectonics of the Portland, Oregon Region. *Seism. Soc. Am. Bull.* 81:109-130.