

Lower Duwamish Waterway Group

Port of Seattle / City of Seattle / King County / The Boeing Company

Draft Feasibility Study

Lower Duwamish Waterway Seattle, Washington

FOR SUBMITTAL TO

The U.S. Environmental Protection Agency
Region 10
Seattle, WA

The Washington State Department of Ecology
Northwest Field Office
Bellevue, WA

April 24, 2009

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Acknowledgements

ENSR AECOM wishes to acknowledge the contributions of:

Windward Environmental LLC

Anchor QEA LLC

S.S. Papadopoulos and Associates

Exponent, Inc

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and the members of the Lower Duwamish Waterway Group, which include the Port of Seattle, King County, the City of Seattle and The Boeing Company, in the preparation of this document.

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Appendices

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List of Acronyms

| | |
|--------|---|
| AET | Apparent Effects Threshold |
| ALMA | Aquatic Land Management Act |
| AOC | Administrative Order on Consent |
| AOPC | area of potential concern |
| API | Asian and Pacific Islander |
| ARAR | applicable or relevant and appropriate requirement |
| B(a)P | benzo(a)pyrene |
| BAZ | biologically active zone |
| BCM | Bed Composition Model |
| BEHP | bis(2-ethylhexyl)phthalate |
| BMP | best management practices |
| BOD | biological oxygen demand |
| CAD | Computer Aided Drafting |
| CAD | contained aquatic disposal |
| CDF | contained disposal facility |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CFR | Code of Federal Regulations |
| CFU | colony forming units |
| cm | centimeter |
| COC | chemical of concern |
| COPC | chemical of potential concern |
| cPAH | carcinogenic polycyclic aromatic hydrocarbon |
| CSL | cleanup screening level |
| CSM | conceptual site model |
| CSO | combined sewer overflow |
| CSTAG | Contaminated Sediment Technical Advisory Group |
| CTM | Candidate Technologies Memorandum |
| DAIS | Dredged Analysis Information System |
| DCLU | City of Seattle Department of Construction and Land Use |
| DDT | dichlorodiphenyl-trichloroethane |
| DMMP | Dredged Material Management Program |
| DNR | Department of Natural Resources |
| DNS | Determination of Non-Significance |
| EAA | Early Action Area |
| EBDRP | Elliott Bay / Duwamish Restoration Program |

List of Acronyms

| | |
|----------|---|
| Ecology | Washington State Department of Ecology |
| EIM | Environmental Information Management System |
| ENR | enhanced natural recovery |
| EPA | U.S. Environmental Protection Agency |
| ERA | ecological risk assessment |
| FEMA | Federal Emergency Management Act |
| FS | Feasibility Study |
| GAC | granular activated carbon |
| GIS | geographic information system |
| GRA | general response action |
| HAZCO | Hazardous Waste Company |
| HDPE | high-density polyethylene |
| HHRA | human health risk assessment |
| HPAH | high-molecular-weight polycyclic aromatic hydrocarbon |
| HQ | hazard quotient |
| HTTD | high-temperature thermal desorption |
| ID | identification |
| IDW | inverse distance weighting |
| KC | King County |
| KCC | King County Code |
| KCIA | King County International Airport |
| LIMS | laboratory information management system |
| LOAEL | lowest-observed-adverse-effect level |
| LOE | line of evidence |
| LOEC | lowest-observed-effect concentration |
| LPAH | low-molecular-weight polycyclic aromatic hydrocarbon |
| LTTD | low-temperature thermal desorption |
| µg/kg dw | microgram per kilogram dry weight |
| MCUL | minimum cleanup level |
| MDL | method detection limit |
| mg/kg | milligram per kilogram |
| mg/kg dw | milligram per kilogram dry weight |
| mg/kg OC | milligram per kilogram organic carbon |
| MHHW | mean higher high water |
| MIC | Manufacturing/Industrial Center |
| ML | maximum level |

List of Acronyms

| | |
|-------|---|
| MLLW | mean lower low water |
| MNR | monitored natural recovery |
| MT | metric ton |
| MTCA | Model Toxics Control Act |
| MUP | master use permit |
| n/a | not applicable |
| na | not available |
| NAPL | nonaqueous phase liquid |
| NCP | National Contingency Plan |
| NEPA | National Environmental Policy Act |
| ng/L | nanogram per liter |
| ng/kg | nanogram per kilogram |
| NOAA | National Oceanic and Atmospheric Administration |
| NOAEL | no-observed-adverse-effect level |
| NOEC | no-observed-effect concentration |
| NPDES | National Pollutant Discharge Elimination System |
| NRC | National Research Council |
| NRC | Nuclear Regulatory Commission |
| O&M | operations and maintenance |
| oc | organic carbon (carbon normalized) |
| OMM | operations, maintenance, and monitoring |
| PAH | polycyclic aromatic hydrocarbon |
| PCB | polychlorinated biphenyl |
| POTW | publicly owned treatment works |
| ppm | part per million |
| PQL | practical quantitation limit |
| PRP | potentially responsible party |
| PRG | preliminary remediation goal |
| PSA | Preliminary Screening of Alternatives |
| PSAMP | Puget Sound Ambient Monitoring Program |
| PSDDA | Puget Sound Dredged Disposal Analysis |
| QA/QC | quality assurance/quality control |
| QAPP | quality assurance project plan |
| RAL | remedial action level |
| RAO | remedial action objective |
| RBC | risk-based concentration |

List of Acronyms

| | |
|----------|--|
| RBTC | risk-based threshold concentration |
| RCRA | Resource Conservation and Recovery Act |
| RCW | Revised Code of Washington |
| RD/RA | Remedial Design/Remedial Action |
| REI | relative effectiveness index |
| RETEC | The RETEC Group, Inc. |
| RI | Remedial Investigation |
| RI/FS | Remedial Investigation/Feasibility Study |
| RL | reporting limit |
| RM | river mile |
| RME | reasonable maximum exposure |
| ROD | Record of Decision |
| RTK-DPGS | real time kinetic dredge global positioning system |
| SCAP | Source Control Action Plan |
| SD | storm drain |
| SEPA | State Environmental Policy Act |
| SI | site investigation |
| SIM | selected ion monitoring |
| SL | screening level |
| SMA | sediment management area |
| SMC | Seattle Municipal Code |
| SMS | Sediment Management Standards |
| SPI | Sediment Profile Imaging |
| SPU | Seattle Public Utilities |
| SQS | sediment quality standards |
| STAR | Sediment Transport Analysis Report |
| STM | Sediment Transport Model |
| SVOC | semivolatile organic compound |
| SWAC | spatially-weighted average concentration |
| 2-D | two dimensional |
| TBC | to be considered |
| TBD | to be determined |
| TBT | tributyltin |
| TEQ | toxic equivalent |
| TIN | triangulated irregular network |
| TOC | total organic carbon |

List of Acronyms

| | |
|-------|--|
| TRV | toxicity reference value |
| TSCA | Toxic Substances Control Act |
| TSP | Tacoma Smelter Plume |
| TSS | total suspended solid |
| U&A | Usual and Accustomed |
| UCL95 | 95% upper confidence limit |
| USACE | U.S. Army Corps of Engineers |
| USC | United States Code |
| VOC | volatile organic compound |
| WAC | Washington Administrative Code |
| WDNR | Washington State Department of Natural Resources |
| WSDOH | Washington State Department of Health |
| WWTP | wastewater treatment plant |

List of Acronyms
