

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
611170	05/28/2008	Email regarding City of Portland separate views letter.
611118	05/27/2008	Response to Letter From Lower Willamette Group (LWG) Sent to EPA, Commenting On Several Outstanding Issues From EPA-Directed Analytical Work for the Portland Harbor Remedial Investigation/Feasibility Study and Issues Raised From LWG.
611199	06/11/2009	Email regarding May 2009 Portland Harbor Monthly Progress Report.
611198	06/11/2009	2009_05_LWG_Progress_Report.
611232	07/17/2009	Email regarding AOPC Agreement Letter.
611231	07/17/2009	AOPC Letter July 17 09.
611241	11/27/2007	Email regarding Round 3B Gunderson TZW - Stratigraphic Coring Results.
611060	11/01/2007	2007-11-01_Round_3B_Gunderson_strat_core_review_DRAFT__.
611061	11/01/2007	2007_11_01_DRAFT_Figure1.
611062	11/01/2007	Figure 2 Portland Harbor RI/FS Round 3 Groundwater Pathway Assessment Stratigraphic Coring and Bulk Sediment FSP - Gunderson Site Cross-Section (A-A).
611066	11/01/2007	2007_11_01_DRAFT_Figure3_B-B_xsect_view.
611067	11/01/2007	2007_11_01_DRAFT_Figure4_C-C_xsect_view.
611248	07/24/2009	Email regarding RAOs Response.
611246	07/24/2009	2009-07-24 RAOs letter.
611268	08/07/2009	Email regarding DEQ comments on EPA's 8/4/09 Portland Harbor RAOs.
611481	08/07/2009	8_09 RAO Comments.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
611281	08/19/2009	Email regarding LWG Response to August 7, 2009 EPA Direction on Portland Harbor RAOs.
611280	08/19/2009	2009-09-19 LWG Response to August 7 2009 EPA RAO Direction.
611290	09/03/2009	LWG Response to EPA August 19, 2009 BERA Submittal Letter.
611287	09/03/2009	2009-09-03 LWG Response to EPA BERA Submittal Letter.
611297	09/09/2009	August 2009 Portland Harbor Monthly Progress Report.
611296	09/09/2009	2009_08_LWG_Progress_Report.
611476	10/12/2009	Email regarding September 2009 Portland Harbor Monthly Progress Report.
611473	10/12/2009	2009_09_LWG_Progress_Report.
611477	10/07/2009	Email regarding LWG Response to EPA RAO Directive.
611317	10/07/2009	2009-10-07 LWG Response to EPA RAO Directive.
611471	10/07/2009	WW benthic respiration memo 07-Oct-2009.
611478	10/08/2009	Email regarding LWG Letter Regarding Draft BHHRA Submittal.
611472	10/08/2009	2009-10-08 Letter Regarding Draft BHHRA Submittal.
611487	10/16/2009	Email regarding LWG archive samples letter.
611485	10/16/2009	2009-10-16 LWG Archive Samples Letter to EPA.
611551	11/12/2009	Email regarding October 2009 Portland Harbor Monthly Progress Report.
611550	11/12/2009	2009_10_LWG_Progress_Report.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
611563	11/19/2009	Email regarding Supporting Electronic Information for Draft Benthic BERA Posted.
611561	11/19/2009	2009-11-18 Benthic Data Memo.
611570	12/09/2009	2009-12-09 QEA Fate Calibration and Sensitivity Analysis Parameters Memo.
611573	12/10/2009	QEA Fate Calibration and Sensitivity Analysis Parameters Memo.
611572	12/07/2009	Email regarding List FS Related Items Needing Resolution Before the Full Alternatives Screening Analysis Can Occur.
611569	12/07/2009	2009-12-07 List of FS Related Items Needing Resolution.
611575	12/10/2009	Email regarding November 2009 Portland Harbor Monthly Progress Report.
611574	12/10/2009	2009_11_LWG_Progress_Report.
611672	02/16/2010	Email regarding January 2010 Portland Harbor Monthly Progress Report.
611671	02/16/2010	2010_01_LWG_Progress_Report.
611675	02/18/2010	Email regarding LWG Response Letter to EPA Response on PCB Modeling Approach.
611673	02/18/2010	2010-02-18 LWG Response Letter to EPA Response on PCB Modeling Approach.
611676	02/18/2010	Email regarding LWG Response to EPA Directive Clarifications on the Baseline Risk Assessments.
611674	02/18/2010	2010-02-18 LWG Response Letter to EPA Directive Clarifications on the Baseline Risk Assessments.
611679	02/24/2010	Email regarding LWG Extension Request EPA Performance Standards for Confined Disposal Facilities.
611678	02/24/2010	2010-02-24 LWG Extension Request EPA Performance Standards for CDF.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
611691	03/12/2010	Email regarding February 2010 Portland Harbor Monthly Progress Report.
611689	03/12/2010	2010_02_LWG_Progress_Report.
611713	04/14/2010	Email regarding March 2010 Portland Harbor Monthly Progress Report.
611710	04/14/2010	2010_03_LWG_Progress_Report.
611714	04/14/2010	Email regarding LWG Response to EPA February 18th Performance Standards for CDFs for the Portland Harbor FS.
611712	04/14/2010	2010-04-14 LWG Response to EPA Performance Standards for CDFs in FS.
611734	05/05/2010	Email regarding LWG Response to EPA's April 21st PRG Comments.
611733	05/05/2010	2010-05-05 LWG Response to EPA April 21st PRG Comments.
611735	05/05/2010	Email regarding LWG Response to EPA April 23rd Performance Standards for Confined Disposal Facilities for the Portland Harbor Feasibility Study.
611721	05/05/2010	2010-05-05 LWG Response to EPA April 23rd Performance Standards for CDF Letter.
611736	05/12/2010	Email regarding April 2010 Portland Harbor Monthly Progress Report.
611743	05/12/2010	2010_04_LWG_Progress_Report.
612548	06/09/2010	Email regarding May 2010 Portland Harbor Monthly Progress Report.
612547	06/09/2010	2010_05_LWG_Progress_Report.
612637	08/03/2005	Email regarding Field Guide to NW mussels.
610932	08/03/2005	Freshwater Mussels of the Pacific Northwest.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
612971	04/15/2008	Email regarding TRVs for Portland Harbor BERA.
611085	04/15/2008	Oregon ecological TPH TRV derivation.
611086	04/15/2008	TRVCover041108.
611087	04/15/2008	PHBERATRVs041108.
613023	09/25/2007	Email regarding Round 3B Sediment Maps.
611036	09/25/2007	2007-09-21_R3B_Sediment_Proposed.
613024	10/04/2007	Email regarding Round 3B Sediment Maps Annotated based on 9/28 meeting.
611048	10/04/2007	2007-09-21_R3B_Sediment_Maps_with 9-28 Annotations.
613036	05/03/2007	Email regarding Fate and Transport Modeling Report Outline.
613037	05/03/2007	Draft FT Report outline2.
613088	02/18/2009	Email regarding LWG FS Examples Memo.
611153	02/18/2009	FS Examples EPA Feb 18 08.
613297	04/02/2008	Email regarding TOC handout.
613357	04/02/2008	2008-04-01_DRAFT RI Table of Contents.
613306	02/06/2009	Email regarding LWG Response to Comments on Comprehensive Round 2 Report Table 5.1-2.
611152	02/06/2009	2009-02-06 LWG Response to Comments on Comprehensive R2 Report Table 5.1-2.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
613474	09/02/2010	September schematic FS schedule.
613473	09/02/2010	2010-09-01 Schematic FS Schedule (no change from Aug).
613483	09/07/2010	Email regarding 9/22/10 benthic check-in materials.
613480	09/07/2010	4318_Benthic AOPCs_090710.
613481	09/07/2010	092210 benthic tox check-in slides.
613482	09/07/2010	092210 benthic tox check-in supplemental slides.
613485	09/09/2010	Email regarding August 2010 Portland Harbor Monthly Progress Report.
613484	09/09/2010	2010_08_LWG_Progress_Report.
613489	09/15/2010	Email regarding LWG general responses to EPA directed BHHRA and BERA comments.
613486	09/15/2010	2010-09-15 Attachment A- BERA Process Flow Chart.
613487	09/15/2010	2010-09-15 General Responses to Directed Comments on BERA.
613488	09/15/2010	2010-09-15 General Responses to Directed Comments on BHHRA.
613490	09/15/2010	2010-09-15 LWG General responses to EPA directed BHHRA and BERA comments.
613492	09/16/2010	Email regarding LWG response to EPA comments on the Draft Stormwater Loading Methods Report.
613491	09/16/2010	LWG Response to EPA Comments on SW Loading Calcs 09-17-2010.
613569	09/22/2010	Email regarding Portland Harbor Sediment and Tissue Disposal Letter.
613568	09/22/2010	2010-09-22 Portland Harbor sediment and tissue disposal letter.

**Portland Harbor AR Related Documents**  
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613579	10/05/2010	Email regarding EPA Comments on Benthic Risk Evaluation Dispute Deadline.
613571	10/05/2010	2010-10-05 EPA Comments on Benthic Risk Evaluation Dispute Deadline.
613581	10/14/2010	Email regarding September 2010 Portland Harbor Monthly Progress Report.
613578	10/14/2010	2010_09_LWG_Progress_Report.
613584	10/13/2010	Email regarding General Responses to EPA Non -Directive Comment Key Issues on the BERA.
613576	10/13/2010	2010-10-13 Attachment A response to comment 128 TTC and TSC approach.
613577	10/13/2010	2010-10-13 General Responses to EPA Non-Directive Comment Key Issues on BERA.
613585	10/07/2010	Email regarding List of BHHRA and BERA Non-directive Comment Issues and General Responses to EPA Non -Directive Comment Key Issues on the RI and BHHRA.
613573	10/07/2010	2010-10-07 General Responses to EPA Non-Directive Comment Key Issues on RI.
613574	10/07/2010	2010-10-07 List of BHHRA and BERA Non-Directive Comment Issues.
613575	10/07/2010	2010-10-07_General Responses to EPA Non-Directive Comment Key Issues on BHHRA.
613586	10/06/2010	Email regarding October schematic FS schedule.
613572	10/06/2010	2010-10-05 Schematic FS Schedule (no change from Sep).
613730	05/31/2010	Email regarding DEQ Comments on Draft RI /BRA.
613735	05/31/2010	5_10 RI_BRA Comment Tables.
613733	08/14/2007	Email regarding PCB Sediment Background Calculations.
613734	08/14/2007	Zidell PCB Sediment Background.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
613915	09/20/2006	Email regarding Stormwater Strategy Mtg tomorrow (9/21).
613916	09/20/2006	Stormwater Strategy Mtg tomorrow.
613917	09/21/2006	Email regarding Next Stormwater Strategy mtg Oct 5.
613918	09/21/2006	SW Strategy PPT presentation.
614734	06/14/2006	Email regarding DEQ's Proposed SW sampling.
614116	06/14/2006	Storm Water Characterization Letter.
615101	06/08/2009	Email regarding Yakama Nation Letter of Withdraw from the PH Trustee Council.
615100	06/08/2009	Yakama Nation Letter of Withdraw from the PH Trustee Council.
620940	02/03/2010	Email regarding Rhone Poulenc Groundwater Discharge to the Willamette River.
620935	02/03/2010	April 7, 2009 SLLI-DEQ-EPA Meeting Summary.
620936	02/03/2010	RP-Deep basalt VOC data.
662430	01/13/2011	01_13_11 email; December 2010 Portland Harbor Monthly Progress Report.
662425	01/13/2011	01_13_11 email attachment; FINAL 2010_12_LWG_Progress_Report.
662532	06/09/2011	06_09_11 email attachment; FINAL_2011_05_LWG_Progress_Report.
662533	06/09/2011	06_09_11 email; Alternatives Screening Stipulated penalties.
662577	02/02/2011	02_02_11 email; LWG Request for Extension for Draft FS Submittal and Portland Harbor RI FS Schedule.
662574	02/02/2011	02_02_11 email attachment; 2011-02-02 LWG Request for Extension for Draft FS Submittal.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
662592	02/09/2011	02_09_11 email; January 2011 Portland Harbor Monthly Progress Report.
662591	02/09/2011	02_09_11 email attachment; FINAL_2011_01_LWG_Progress_Report.
662599	02/16/2011	02_16_11 email; Response to EPA Comments Dated January 28, 2011 on Four FS Check-in Presentations.
662598	02/16/2011	02_16_11 email attachment; 2011-02-16 Response to EPA Comments Dated January 28 2011 on Four FS Check-in Presentations.
662671	03/09/2011	03_09_11 email; Draft LWG Response to EPA Feb 25 Portland Harbor RI FS Schedule Letter.
662667	03/09/2011	03_09_11 email attachment; 2011-03-09 Draft Response to RI FS Schedule.
662674	03/10/2011	03_10_11 email; February 2011 Portland Harbor Monthly Progress Report.
662673	03/10/2011	03_10_11 email attachment; FINAL_2011_02_LWG_Progress_Report.
662685	06/09/2011	06_09_11 email; May 2011 Portland Harbor Monthly Progress Report.
662532	06/09/2011	06_09_11 email attachment; FINAL_2011_05_LWG_Progress_Report.
662709	03/18/2011	03_18_11 email; Response to EPA February 25, 2011 RI FS Schedule Letter.
662708	03/18/2011	03_18_11 email attachment; 2011-03-18 Response to EPA February 25 2011 RI FS Schedule Letter.
662715	03/30/2011	03_30_11 email; Response to EPA March 16, 2011 Letter Regarding Use of Chemical Versus Contaminant.
662713	03/30/2011	03_30_11 email attachment; 2011-03-30 LWG Response to EPA March 16 2011 Letter Regarding Use of Chemical Versus Contaminant.
662880	06/28/2011	06_28_11 email; Proposed Supplemental Table 9-2A Supplement to Portland Harbor RIFS Deliverable Descriptions and Submittal Deadlines.
662873	06/28/2011	06_28_11 email attachment; 2011-06-28 Proposed Supplemental Table 9-2A.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
662886	05/26/2011	05_26_11 email; Response to EPA May 13 2011 FS Key Elements Check In Objectives.
662884	05/26/2011	05_26_11 email attachment; 2011-05-26 Response to EPA May 13 2011 FS Key Elements Check In Objectives.
662977	06/09/2011	06_09_11 email; May 2011 Portland Harbor Monthly Progress Report.
662974	06/09/2011	06_09_11 email attachment; FINAL_2011_05_LWG_Progress_Report.
663047	06/28/2011	06_28_11 email; Proposed Supplemental Table 9-2A Supplement to Portland Harbor RIFS Deliverable Descriptions and Submittal Deadlines.
663045	06/28/2011	06_28_11 email attachment; 2011-06-28 Proposed Supplemental Table 9-2A.
663095	07/13/2011	07_13_11 email; June 2011 Portland Harbor Monthly Progress Report.
663093	07/13/2011	07_13_11 email attachment; FINAL_2011_06_Progress_Report.
663102	07/13/2012	07_13_12 email; June 2012 Portland Harbor Monthly Progress Report.
663101	07/13/2012	07_13_12 email attachment; FINAL_2012_06_Progress_Report.
663187	07/13/2011	07_13_11 email; June 2011 Portland Harbor Monthly Progress Report.
663184	07/13/2011	07_13_11 email attachment; FINAL_2011_06_Progress_Report.
663294	08/11/2011	08_11_11 email; July 2011 Portland Harbor Monthly Progress Report.
663286	08/11/2011	08_11_11 email attachment; FINAL_2011_07_Progress_Report.
663452	11/12/2010	11_12_10 email; October 2010 Portland Harbor Monthly Progress Report.
663450	11/12/2010	11_12_10 email attachment; 2010_10_LWG_Progress_Report.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
663503	12/08/2010	12_08_10 email; November 2010 Portland Harbor Progress Report.
663487	12/08/2010	12_08_10 email attachment; 2010_11_LWG_Progress_Report.
665113	09/27/2011	09_27_11 email; Letter regarding LWG request for FS extension.
665112	09/27/2011	09_27_11 email attachment; trustee letter_FS delay.
665366	04/01/2009	04_01_09 email; Trustee comments regarding RAOs.
665365	04/01/2009	04_01_09 email attachment; RAO Trustee letter.
706175	03/30/2012	Portland Harbor RI/FS Draft Feasibility Study - Appendix.
706171	03/30/2012	Portland Harbor RI/FS Draft Feasibility Study.
710909	04/15/2012	04_15_12 email; Report Evaluating LWG PCB sediment bioaccumulation model.
710905	04/15/2012	04_15_12 email attachment; 2012.04.13 IRM Report transmittal letter to EPA.
711121	07/01/2011	Appendix G for the Draft Final Baseline Ecological Risk Assessment: Portland Harbor Remedial Investigation/Feasibility Study.
500002054	07/01/2011	Appendix G - Attachment 1a: EPA-Lower Willamette Group Communications (Draft Final).
500002056	07/01/2011	Appendix G - Attachment 2: Problem Formulation for the Baseline Ecological Risk Assessment at the Portland Harbor Site (Draft Final).
500002057	07/01/2011	Appendix G - Attachment 3: Data Management (Draft Final).
500002058	07/01/2011	Appendix G - Attachment 4: Baseline Ecological Risk Assessment (BERA) Data (Draft Final).
500002059	07/01/2011	Appendix G - Attachment 5: Screening Level Ecological Risk Assessment (SLERA) and Refined Screen (Draft Final).
500002060	07/01/2011	Appendix G - Attachment 6 (Part A): Toxicity Test Results and Interpretation (Draft Final).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

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711121	07/01/2011	Appendix G for the Draft Final Baseline Ecological Risk Assessment: Portland Harbor Remedial Investigation/Feasibility Study.
500002061	07/01/2011	Appendix G - Attachment 6 (Part F): Logistic Regression Model (LRM).
500002062	07/01/2011	Appendix G - Attachment 8: Evaluation of Models Used to Predict Tissue Concentrations (Draft Final).
500002063	07/01/2011	Appendix G - Attachment 9: Tissue-Residue Toxicity Reference Values (TRVs) (Draft Final).
500002064	07/01/2011	Appendix G - Attachment 10: Selection of Water Toxicity Reference Values (TRVs) (Draft Final).
500002065	07/01/2011	Appendix G - Attachment 11: Evaluation of Background and Upriver Reach Concentrations (Draft Final).
500002081	07/01/2011	Appendix G - Attachment 12: Individual Sample and Dietary Component Assessment for Fish (Draft Final).
500002082	07/01/2011	Appendix G - Attachment 13: Details On Exposure and Effects Assumptions for the Fish Dietary Line of Evidence (LOE) (Draft Final).
500002083	07/01/2011	Appendix G - Attachment 14: Recommended Literature-Based Fish Dietary and Wildlife Toxicity Reference Value (TRVs) (Draft Final).
500002084	07/01/2011	Appendix G - Attachment 15: Evaluation of Lamprey Sensitivity to Sediment Contaminants (Draft Final).
500002085	07/01/2011	Appendix G - Attachment 16: Details On Exposure and Effects Assumptions for the Wildlife Dietary and Bird Egg Line of Evidence (LOEs) (Draft Final).
500002086	07/01/2011	Appendix G - Attachment 17: Individual Sample and Dietary Component Assessment for Wildlife (Draft Final).
500002088	07/01/2011	Appendix G - Attachment 18: Future Risk Estimates (Draft Final).
711810	10/27/2009	Portland Harbor RI/FS Remedial Investigation Report Draft.
711811	09/23/2009	Portland Harbor RI/FS Remedial Investigation Report - Appendix F Baseline Human Health Risk Assessment Draft.
711812	08/19/2009	Portland Harbor RI/FS Remedial Investigation Report - Appendix F Baseline Ecological Risk Assessment Draft.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

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711815	06/23/2009	Lines of Evidence Maps Referenced in June 23, 2009 AOPC Letter - Areas of Potential Concern.
711814	06/23/2009	Letter regarding Portland Harbor Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study - Areas of Potential Concern.
712957	07/16/2012	07_16_12 email; NOAA comments on draft Portland Harbor FS.
712956	07/16/2012	07_16_12 email attachment; 2012-07-16_NOAAPortlandHarborFSComments.
719258	05/01/2012	Draft Engineering Evaluation/Cost Analysis for the Gasco Sediments Cleanup Action.
1471590	05/01/2012	CD With Attachment 2 (GIS Layers Project AIR Data Rescreen): Draft Engineering Evaluation/Cost Analysis for the Gasco Sediments Cleanup Action (CD-ROM at Records Center).
1471591	05/01/2012	CD With Draft Engineering Evaluation/Cost Analysis for the Gasco Sediments Cleanup Action (CD-ROM at Records Center).
1471592	05/01/2012	CD With Attachments 6 and 7 (Draft Data Investigation Report): Draft Engineering Evaluation/Cost Analysis for the Gasco Sediments Cleanup Action (CD-ROM at Records Center).
840000	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study.
840001	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Tables.
840002	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Figures.
840003	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix A Sediment Database Description.
840004	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix A Portland Riverbanks Data Compilation.
840005	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix B Derivation of Risk-Based Preliminary Remediation Goals.
840006	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix C Technology Assignment Supporting Documentation.
840007	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix D Supporting Information for Alternative Development.
840008	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix E Evaluation of the Potential Water Quality Impacts from the Terminal 4 Confined Disposal Facility.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
840000	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study.
840009	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix F Evaluation of Sediment Handling and Transport for Commercial Landfill Disposal During Remedial Action.
840010	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix G Detailed Analysis Cost Estimates.
840011	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix H EPA Review of Existing and Hydrodynamic and Sediment Transport Model.
840012	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix I Surface Weighted Average Concentration Uncertainty Analysis (PCBs, Total PAHs, DDx).
840013	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix J Calculation of Residual and Post-Construction Risk Estimates.
840014	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix K Surface Water Evaluation.
840015	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix L CWA Section 404(B)(1) Evaluation.
840016	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix M Green Remediation Plan Outline.
840017	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix N Sensitivity Analysis.
840018	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix O Considerations for Dredge Releases.
840019	06/08/2016	Portland Harbor RI/FS Draft Final Feasibility Study Appendix P Flood Rise Evaluation.
1356708	06/05/2009	Portland Harbor RI/FS The LWG, Pre-Feasibility Study Treatment Technologies Table Draft, 6/5/09.
627936	06/05/2009	Portland Harbor RI/FS Treatment Technology Screening Tables: LWG Treatment Screening Tables, 06-05-09.
1356709	06/05/2009	Transmittle Letter regarding Portland Harbor RI/FS The LWG, Pre-Feasibility Study Treatment Technologies Table Draft, 6/5/09, (less enclosure).
1356981	01/31/2011	Transmittal Letter from Lower Willamette Group regarding Portland Harbor RI/FS Stormwater Loading Calculations Methods, (less enclosure).
1356980	01/31/2011	Portland Harbor RI/FS: Final Stormwater Loading Calculation Methods.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

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1356983	04/15/2011	Lower Willamette Group Transmittal Letter regarding Final Stormwater Loading Calculations Methods.
1356982	04/15/2011	Portland Harbor RI/FS Final Stormwater Loading Calculation Methods.
1372509	04/25/2008	Letter Transmitting CD Containing Portland Harbor RI/FS Round 3B Side-Scan Sonar Field Sampling Plan, (Contents of CD Have Been Processed and Uploaded Into SDMS).
1372510	04/29/2008	Lower Willamette Group (LWG) Responses to EPA's March 13, 2008 Comments on the Lower Willamette Side-Scan Sonar Survey Field Sampling Plan.
1412916	09/28/2015	Letter transmitting Gunderson's Second Quarter Monitoring Report.
1412917	09/16/2015	Groundwater Monitoring Report: Second Quarter 2015, Gunderson LLC.
1436698	02/09/2012	Program for League of Women Voters Presentation "Can Government Entities Work Together?" (With Handwritten Notes).
1436678	10/03/2012	Email Invitation for 10/09/2012 League of Women Voters Presentation of "Can Government Entities Work Together?".
1436706	10/03/2012	Email Invitation for 10/09/2012 League of Women Voters Presentation "Can Government Entities Work Together?".
1436714	01/30/2012	Program for "Earth Care Summit, Make a Positive Impact".
1436715	01/30/2012	Earth Care Summit Co-Sponsorship Form (With Handwritten Information).
1436927	10/01/2003	EPA Port of Portland Environmental Fact Sheet: Port Initiates Terminal 4 Sediment Cleanup, October 2003 (With Highlighted Passages and Handwritten Notes).
1436928	04/01/2004	EPA Community Involvement Plan, Terminal 4 Sediment Cleanup, Portland Harbor Superfund Site, April 2004.
1464370	02/08/2016	Portland Harbor Final Remedial Investigation - Main Text.
1464371	02/08/2016	Portland Harbor Final Remedial Investigation - Figures.
1464373	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database.
1464374	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix C Stormwater Statistics and Groundwater Characterization Final.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
1464370	02/08/2016	Portland Harbor Final Remedial Investigation - Main Text.
1464375	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix D.
1464376	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix E Loading, Fate, and Transport Supporting Information and Calculations.
100017066	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Anchor 2005b MNR Tech Memo.
100017067	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Anchor and Integral 2008a R3A and R3B Stormwater DR.
100017078	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Anchor 2004a.
100017091	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Anchor QEA 2009a.
100017093	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Anchor and Integral 2008c R3A In River Sed Trap DR.
100017094	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - DEA 2003a_Summer 2002 Bathy Survey Rpt.
100017096	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - DEA 2003c.
100017097	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - DEA 2009.
100017098	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2004a R1 Site Characterization Summary Report.
100017099	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2005f GWSAP Pilot Study DR.
100017100	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2006c R2B Subsurface Sediment Data Report.
100017102	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2007d R3A Winter 07 High Flow Surface Water DR.
100017103	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - DEA 2002a_Winter 2002 Bathy Survey.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
1464370	02/08/2016	Portland Harbor Final Remedial Investigation - Main Text.
100017104	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - DEA 2002b.
100017106	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - DEA 2004b.
100017112	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - GeoSea 2001_STA Rpt.
100017117	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2005s R2A Sediment Site Characterization Summary Report.
100017121	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2006a PCB Congeners in Archived R2A Surface Sediment Data Report.
100017123	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2006b R2A Archived Core Sed DR.
100017128	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2006d R2A Surface Water Site Char Sum Rep.
100017132	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2006g R2 GPA TZW Site Characterization Summary Report.
100017137	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2006h Multiplate Tissue DR.
100017141	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2006i R3A Jan 06 High Flow DR.
100017146	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2007a R3A Low Flow Stormwater Impacted Surface Water DR.
100017150	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2007h R3A Up Downstream Sed DR Add 1 Radioisotope Cores.
100017156	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2007g R3A UpDownstream Sediment DR.
100017182	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2008a R2 Archived Sediment PCB Congener Analysis Data Report.
100017186	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2008b R3B Fish and Invert Tiss and Collocated Surface Sed DR.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
1464370	02/08/2016	Portland Harbor Final Remedial Investigation - Main Text.
100017187	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2008c Draft_R3B Tissue and Collocated Sediment DR Adden.
100017190	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2008d Willamette Cove Sed DR.
100017199	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2008e R3B Sediment DR.
100017245	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral and DEA 2004 Winter 2004 Multibeam Bathymetric Survey Report.
100017246	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral and Windward 2006a Chinook DR.
100017247	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral and Windward 2006b R2 Benthic Data Report.
100017248	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - SEA 2002b_SPI Survey.
100017249	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - SEA and DEA 2003.
100017253	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral 2009 Sed Mobility DR.
100017256	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Integral and Windward 2007a R3 Lamprey Tissue DR.
100017264	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Windward 2003a Aquatic Plant and Amphibian Recon Survey.
100017265	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Windward 2005a R2A Sediment Toxicity DR.
100017275	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Windward and Integral 2008 R3 Sturgeon Tissue DR.
100017290	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix A Data Sources and Site Characterization/Risk Assessment Database A5 Reports - Windward and Integral 2007b Mussel and Lamprey Tissue DR.
100017294	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix B DEQ September 2010 Milestone Report Table 1 Final.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
1464370	02/08/2016	Portland Harbor Final Remedial Investigation - Main Text.
100017312	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix F Baseline Human Health Risk Assessment Final.
100017318	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix I.
100017323	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix G Final BERA.
100017325	02/08/2016	Portland Harbor Final Remedial Investigation - Appendix H Background Supporting Information.
100001760	01/02/2007	Email regarding 12-20 PH Managers mtg.
100001761	12/20/2006	Portland Harbor Managers Meeting 12-20 PH managers mtg.
100001762	01/03/2007	Email regarding Attachments.
100001757	01/03/2007	Draft Table 1 Stormwater Sample Type and Locations City Outfall Basin 22C Basin 22C Sample Location Table_D2 (2).
100001758	01/03/2007	Draft Table 2 Sample Types and Analyses Performed within each System Branch City Outfall Basin 22C Basin 22C Sampling Summary Table_D2.
100001759	01/03/2007	Sediment Outfall Data OF 22C City Sed Data.
100001770	12/13/2006	Figure 17 Outfall 22B and 22C- Sample Locations Source Control Sediment Investigation City of Portland City 2002 22C Sediment Sampling locations.
100001781	01/10/2007	Email regarding Jan 16 Tech Team mtg re: modeling.
100001782	08/29/2006	Stormwater Modeling Using the Fate and Transport Model -Initial Model Runs- Modeling workplan.
100001783	01/10/2007	Email regarding Draft Stormwater FSP.
100001784	01/09/2007	Confined Space Entry- Oregon Policy & Procedures Appendix I-LWG Confined Space Entry_formatted.
100001785	01/10/2007	Appendix A Stormwater Composite Sampling SOP Stormwater FSP_appendices.

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Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100001783	01/10/2007	Email regarding Draft Stormwater FSP.
100001786	01/10/2007	Portland Harbor RI/FS Field Sampling Plan Stormwater Sampling Stormwater FSP_formatted master.
100001787	01/10/2007	Figure 2-1a Draft Stormwater Basin Characterization STW FSP Figures.
100001788	01/10/2007	Table 2.1. Proposed Stormwater Sampling Locations STW FSP Tables.
100001789	01/18/2007	Email regarding Laura's Comments on Draft Stormwater FSP.
100001790	01/18/2007	Portland Harbor RI/FS Field Sampling Plan Stormwater Sampling Stormwater FSP_formatted master_ljedit.
100001791	01/18/2007	Email regarding Laura's Comments on Draft Stormwater FSP.
100001792	01/18/2007	Portland Harbor RI/FS Field Sampling Plan Stormwater Sampling Stormwater FSP_formatted master(City Comments).
100001793	01/18/2007	STW FSP Tables STW FSP Tables(City Comment).
100001804	01/18/2007	Email regarding Laura's Comments on Draft Stormwater FSP.
100001805	01/18/2007	Portland Harbor RI/FS Field Sampling Plan Stormwater Sampling Stormwater FSP_formatted master(City Comments)_Andys as well.
100001806	01/18/2007	Email regarding Comments on draft FSP.
100001807	01/12/2007	Portland Harbor RI/FS Field Sampling Plan Stormwater Sampling Stormwater FSP 1-12 KT comments.
100001808	01/19/2007	Email regarding Stormwater Sampling at the Portland Harbor Site.
100001809	01/12/2007	Outfalls AttachmentA12-28.
100001810	01/18/2007	Email regarding River Heights.
100001801	01/18/2007	Gauge Height in Feet, Morrison Street bridge Gauge Height Conv. to COP.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100001810	01/18/2007	Email regarding River Heights.
100001802	07/07/2015	Gauge Height in Feet, Morrison Street Bridge image002.
100001820	01/25/2007	Email regarding Stormwater FSP.
100001811	01/24/2007	Stormwater Sampling Checklist 5-Appendix E Forms.
100001813	01/24/2007	Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 8: Round 3A Stormwater Sampling 7-Stormwater Draft QAPP Addendum 8.
100001821	01/25/2007	Portland Harbor RI/FS Round 3A Field Sampling Plan Stormwater Sampling 1-Stormwater FSP_Text Jan 24 eds.
100001822	01/25/2007	Table 2-1. Proposed Stormwater Sampling Locations. 2-STW FSP Tables.
100001823	01/24/2007	Figure 2-1a Draft Stormwater Basin Characterization 3-Stormwater FSP Figures.
100001824	01/25/2007	Appendix A Stormwater Composite Sampling SOP 4-Stormwater FSP_appendices_Jan 25.
100001825	01/24/2007	Table 3-1a. Laboratory Methods for Sediment Samples 8-QAPP Addendum Tables.
100001826	01/29/2007	Email regarding KT's edits to Section 1.4.
100001828	01/29/2007	FSP 1.0-1.4.4 KT's edits to Section 1.4.
100001832	01/30/2007	Email regarding DEQ comments on Stormwater FSP.
100001834	01/30/2007	FSP 1.0-2.0 DEQ edits (Clean Copy) on FSP_Text Jan 24 eds2.
100001835	01/30/2007	FSP 1.0-2.4.2 DEQ edits on FSP_Text Jan 24 eds2.
100001837	01/30/2007	Email regarding DEQ comments on Stormwater FSP.
100001838	01/30/2007	Draft Stormwater FSP Storm Water FSP.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100001841	02/01/2007	Email regarding Stormwater FSP.
100001842	02/01/2007	Portland Harbor RI/FS Round 3A Field Sampling Plan Stormwater Sampling FSP Text Feb 1 Split.
100001843	02/01/2007	FSP Rational Round 3A Rationale Feb 1 Split.
100001846	02/01/2007	Email regarding Stormwater FSP.
100001847	02/01/2007	Portland Harbor RI/FS Round 3A Field Sampling Plan Stormwater Sampling FSP Text Feb 1 Split_ack.
100001852	02/02/2007	Email regarding Stormwater FSP.
100001853	02/02/2007	Portland Harbor RI/FS Round 3A Field Sampling Plan Stormwater Sampling EPA - FSP Text Feb 1 Split_ack.
100001855	02/02/2007	Email regarding FSP Split Text.
100001859	02/02/2007	Appendix A Stormwater Composite Sampling SOP 4-Stormwater FSP_appendices_Feb2.
100001860	02/02/2007	Portland Harbor RI/FS Round 3A Field Sampling Plan Stormwater Sampling FSP Text Feb 1 Split_ack+lj.
100001861	01/23/2007	Table 2-1. Proposed Stormwater Sampling Locations STW FSP Tables_lj edits Feb2.
100001866	02/02/2007	Email regarding Rationale Split Text.
100001867	02/02/2007	FSP Combined Comments City Comments_Rationale Feb 1 Split.
100001869	02/05/2007	Email regarding LWG Stormwater Sampling Site Recon Presentation.
100001870	02/05/2007	LWG Storm Water Basin Reconnaissance Summary of Findings Recon Presentation.
100001871	02/07/2007	Email regarding Portland Harbor RI/FS Stormwater FSP for EPA/LWG Approval.
100001872	02/07/2007	Portland Harbor RI/FS Round 3A Stormwater Sampling Rationale Rationale and QAPP Addendum.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100001871	02/07/2007	Email regarding Portland Harbor RI/FS Stormwater FSP for EPA/LWG Approval.
100001873	02/07/2007	Portland Harbor RI/FS Round 3A Field Sampling Plan Stormwater Sampling FSP Text and Tables.
100001874	02/07/2007	Email regarding Portland Harbor RI/FS Stormwater FSP for EPA/LWG Approval.
100001875	02/07/2007	Appendix A Stormwater Composite Sampling SOP FSP Appendices.
100001876	02/07/2007	Figure 2-1a Draft Round 3A Field Sampling Plan FSP Figures.
100001878	08/08/2008	Email regarding June 26 9 am Stormwater Tech Team Call.
100001879	08/08/2008	Stormwater Loading Methods Conference Call Summary- July 31, 2008 Stormwater July 31 Meeting Notes.
100001880	07/18/2008	Email regarding Stormwater Technical Team Notes.
100001881	07/17/2008	Stormwater Loading Methods Conference Call Summary- July 3, 2008 Stormwater July 3 Meeting Notes Update of July 26 notes.
100001882	07/17/2008	Attachment A EPA Comments on Stormwater Loading Calculation Method Stormwater Meeting Notes July 3 - Attachment A (2).
100001883	07/23/2008	Email regarding Next Stormwater Technical Team Meeting Thursday July 31st 9am-noon.
100001884	07/23/2008	Table X: Chemicals and Sites for Further Analysis Sites and Chemicals for Further Consideration.
100001895	09/18/2008	Email regarding Stormwater Conc. Weighting Methods Memo - DEQ's input.
100001896	09/18/2008	Proposed method for calculating representative LU concentrations DEQ's thoughts on SW Calc method.
100001897	09/18/2008	Example Calculations to Represent Storm Water Concentration Example Calculation Methods.
100001898	10/17/2008	Email regarding Portland Harbor ground water mega site (Arkema to GASCO).
100001899	10/17/2008	Gasco Siltronic Rhone-Poulenc & Arkema Ground Water Contaminant Plumes Gasco Siltronic Rhone-Poulenc Arkema gw plumes.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100001900	10/22/2008	Email regarding LWG Stormwater Loading Issue Status Summary.
100001901	10/22/2008	Enclosure A Comments on Stormwater Loading Calculation Method Issue Status EPA Stormwater Loading Approval Letter Comments.
100001906	10/28/2008	Email regarding Stormwater Concentration Estimation.
100001907	10/28/2008	Current EPA Recommended Approach Current EPA recommended approach.
100001908	09/18/2008	Proposed method for calculating representative LU concentrations DEQ's thoughts on SW Calc method.
100001909	09/18/2008	Example Calculations to Represent Storm Water Concentration Example Calculation Methods.
100001920	10/27/2008	Unweighted & Weighted Stormwater Loading Example Tables kkStormwaterLoadingExample.
100001921	10/21/2008	EPA's Draft Approval Letter for Stormwater Loading Calculations koch_DEQ's comments on EPA's draft approval ltr.
100001922	09/02/2008	Memorandum for Proposed method for calculating basin-weighted statistics for stormwater data kochWeighted data approach Sep 2 08.
100001917	01/19/2009	Email regarding outfall basin info.
100001918	01/19/2009	LWG Stormwater Sample Basin Characteristics Sampled Basin Characteristics to DEQ 01192009 (2).
100001935	11/19/2008	Email regarding LWG Response to EPA Comments on Stormwater Loading Calculation Methods.
100001936	11/19/2008	EPA comments on Portland Harbor RI/FS Stormwater Loading Calculation Methods 2008-11-19 LWG Response to EPA Comments on Stormwater Loading Calculation Methods.
100001941	03/04/2009	Email regarding LWG Stormwater Info - per EPA request.
100001942	03/04/2009	Kd Values for Sediment Metal Partitioning by Land Use 2009-03-04 Partitioning Coefficients by Land Use.
100001962	12/09/2010	Email regarding December 14th FS Check In Meeting Presentations (email 3 of 3).
100001963	10/14/2010	Preliminary Capping Chemical Isolation Evaluation.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100001970	12/09/2010	Email regarding December 14th FS Check In Meeting Presentations (email 1 of 3).
100001972	12/14/2010	Sensitivity/Uncertainty Analyses and Other Evaluations to Support SMA Refinement 04 Sensitivity and SMA Refinement 08 Dec 10.
100001973	12/09/2010	Email regarding December 14th FS Check In Meeting Presentations (email 2 of 3).
100001974	12/10/2010	Disposal Site Screening Evaluation.
100001983	03/31/2011	Email regarding Post Office Bar.
100001984	10/27/2003	Guidance for Obtaining Representative Laboratory Analytical Subsamples from Particulate Laboratory Samples Gerlach_EPA_GuidanceObtainRepresentLabAnalySubsamplesParticLab03.
100001985	07/30/2010	Sediment Sampling & Analysis Plan Portland Harbor Comparative Sampling Study at Post Office Bar Portland ARRA SAP 07-29_AECOM.
100001997	12/09/2010	Email regarding Technology Screening Tables and EPA and LWG Responses.
100001998	07/08/2009	Administrative Order on Consent for Remedial Investigation and Feasibility Study Docket No. CERCLA-10-2001-0240 – Treatment Technology Screening Tables EPACommentsTreatmentTechnologyTables070909.
100001999	06/05/2009	Table 1. Preliminary Screening of Ex Situ Treatment Technologies Draft Pre-Feasibility Study Treatment Technologies Table LWG Treatment Screening Tables (06-05-09).
100002010	04/18/2011	Email regarding Comments on Portland Harbor FS tools Tech memos.
100002011	04/14/2011	Memorandum regarding Comments on the Lower Willamette Group's Draft Feasibility Study Costing Approach, submitted on March 15, 2011 2011-04-14 comments_FS_Costing_Approach_Memorandum.
100002012	04/14/2011	Memorandum regarding Comments on the Lower Willamette Group's Draft Mitigation Determination Approach for us in the Feasibility Study, submitted on March 15, 2011 2011-04-14 comments_Mitigation_Determination_Approach_foruseinthe_FS.
100002013	04/14/2011	Memorandum regarding Comments on the Lower Willamette Group's Draft Treatment Technology Evaluation Tools Memorandum, submitted on March 15, 2011 2011-04-14 comments_Treatment_Technologies_Evaluation_Tools.
100002016	04/28/2011	Email regarding EPA comments on FS Tools Memoranda.
100002017	04/14/2011	Portland Harbor Clean Fill Requirements Table Portland Harbor Clean Fill Requirements 3-23-2011.

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Data sorted by Main Document followed by Related Documents

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100002030	06/22/2011	Email regarding Overdredging Studies.
100002031	12/15/2002	Appendix B Sediment Technologies Memorandum Overdredge Studies.
100002032	06/27/2011	Email regarding Notes from June 21-22 meeting.
100002033	06/27/2011	Memorandum regarding Rough Meeting Notes-FS-Key Elements of Check-In FS Meeting June 21-22 R1.
100002070	06/28/2011	Email regarding Hot Spot Material.
100002071	08/03/2009	Hot Spot Decision Flow Chart 20090803HotSpotDecisionFlow.
100002072	04/23/1998	Guidance for Identification of Hot Spots GuidanceldentificationHotSpots.
100002080	06/30/2011	Email regarding 2011-06-30_YN_Comment_Memo_FScheckin_June21.
100002085	06/30/2011	Memorandum regarding LGW presentation on Portland Harbor FS (June 21 and 22, 2011) 2011-06-30_YN_Comment_Memo_FScheckin_June21.
100002134	08/24/2009	Email regarding Portland UIC permit and aquifers.
100002135	12/10/2015	Figure 4 Schematic Representation of Hydrologic Aquifer Units in the Portland Basin Figure 4.
100002137	10/28/2009	Email regarding Info about drinking water wells in PH.
100002138	10/28/2009	Portland Harbor Water Supply Wells Portland Harbor Water Supply Wells.
100002139	02/09/2010	Email regarding Zidell Recontamination Evaluation.
100002160	01/12/2010	Draft Recontamination Evaluation Work Plan Zidell Recontamination Evaluation WP.
100002151	08/24/2009	Email regarding Portland Harbor additional figures to Eric 's message of 8/6/09.
100002152	05/29/2003	Figure 3-1 Portland Harbor RI/FS Portland Harbor Setting Fig_3_1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002151	08/24/2009	Email regarding Portland Harbor additional figures to Eric 's message of 8/6/09.
100002153	05/29/2003	Figure 3-10 Portland Harbor RI/FS Cross Section H-H' Fig3_10_Hh.
100002154	05/29/2003	Figure 3-11 Portland Harbor RI/FS Cross Section I-I' Fig3_11_li.
100002159	09/14/2010	Email regarding 134 McCall Oil Data Gaps Work Plan.
100002170	09/14/2010	134 McCall SC Data Gaps Work Plan 8-27-2010 McCall Oil Data Gaps WP Comment Letter 9-14-2010.
100002162	12/20/2010	Email regarding Phthalate Report.
100002163	10/04/2007	Sediment Phthalates Work Group Summary of Findings and Recommendations Phthalate Report FINAL 092807.
100002165	01/20/2011	Email regarding SC Table.
100002166	12/13/2010	High Priority Sites - Source Control Schedule SCprojection.
100002168	12/08/2015	Email regarding EPA comments - Brix Maritime draft SCE.
100002169	12/08/2015	Review Comments on the Draft Source Control Evaluation Report Brix Maritime Co. Portland Oregon Dated September 29, 2015.
100002180	09/29/2015	Draft Source Control Evaluation Report.
100002181	03/11/2008	Brix Maritime SCE Appendices C Laboratory Reports.
100002182	11/02/2015	Brix Maritime SCE Appendices D Tables on Catch Basin Sediment Data Reporting and Screening.
100002190	08/21/2015	Email regarding SCE for Calbag ECSI # 5059, EPA final comments.
100002191	07/31/2014	Review Comments Stormwater Source Control Evaluation Report Calbag Metals Company Facilities.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002199	07/31/1989	Zidell Phase I Environmental Assessment Preliminary Report.
100002240		Zidell Environmental Survey - Site Aerial Photography (Figure 2).
100002200	08/05/2015	Email regarding Chevron Site #354972 Sub-Slab Soil Vapor Investigation report.
100002201	06/05/2015	Sub-Slab Soil Vapor Investigation Subslab investigation at the Phillips 66 Portland Terminal.
100002204	05/25/2012	Draft ConocoPhillips Portland Terminal Source Control Evaluation Report.
100002205	11/08/2007	Sample Analysis for Willbridge Terminal- Conoco Phillips.
100002206	04/27/2010	Report of Laboratory Analysis.
100002210	12/21/2015	Email regarding EPA Comments - 2363 Crawford Street ISCM Work Plan for SCM.
100002211	12/02/2015	Review Comments Source Control Evaluation Documents for the Crawford Street Corporation Site.
100002212	10/29/2015	Memorandum regarding Data Gap Analysis and Sampling and Analysis Plan Source Control Evaluation Crawford Street.
100002213	12/02/2015	Memorandum regarding Interim Source Control Measure Work Plan Crawford Street.
100002214	12/23/2015	Data Gap Analysis and Sampling and Analysis Plan; Interim Source Control Measure Work Plan Crawford Street Corporation.
100002217	10/15/2015	Email regarding 5864 Crown Cork and Seal Review Schedule.
100002218	08/25/2015	Review Comments Source Control Evaluation/Voluntary Cleanup Report Former Crown Cork and Seal Facility.
100002219	08/25/2015	Review Comments Source Control Evaluation/Voluntary Cleanup Report Former Crown Cork and Seal Facility.
100002241	12/02/2015	Email regarding Front LP, Hampton Storm Work Plan, ECSI 5761, Portland, OR.
100002242	09/01/2015	Review Comments Stormwater Assessment Work Plan Hampton Reload Yard.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100002245	12/23/2015	Groundwater and Bank Soil Source Control Evaluation Kinder Morgan Linnton Terminal.
100002246	01/31/2014	Appendix A Technical Memorandum regarding Kinder Morgan Linnton Terminal – Pore Water Sampling Results.
100002247	12/22/2015	Appendix B Historical Groundwater Tables Kinder Morgan Liquid Terminals, Linnton Terminal.
100002248	12/17/2015	Appendix C Technical Memorandum regarding Kinder Morgan Linnton Terminal – Extraction Well Step Drawdown Testing Results.
100002249	12/22/2015	Appendix D Technical Memorandum Kinder Morgan Linnton Terminal – Barrier Wall Extraction System Capture Analysis.
100002260	12/22/2015	Appendix E Technical Memorandum Kinder Morgan Linnton Terminal – LNAPL Mobility Analysis.
100002261	08/29/2012	Appendix F Kinder Morgan Linnton Terminal River Bank Erodibility Assessment Sheet Pile Barrier Wall System.
100002262	01/10/2012	Appendix F Groundwater Barrier System Construction Drawings.
100002263	11/15/2010	Appendix G Technical Memorandum Kinder Morgan Linnton Terminal River Bank Erodibility Assessment.
100002264	03/28/2011	Appendix H Draft Technical Memorandum Subsurface Bank Soils Investigation Results.
100002265	03/28/2012	Appendix I Technical Memorandum Kinder Morgan Linnton Terminal Phase 2 Bank Soils Investigation Results.
100002266	10/15/2012	Appendix J Technical Memorandum Estimated Pore Water Concentrations from Bank Soil Samples - KMEP Linnton Terminal.
100002250	07/24/2015	Email regarding Former Kenton Foundry Transmittal Letter and Review.
100002251	04/29/2015	Transmittal Letter Independent Cleanup Pathway Report Kenton Foundry (Former) and Adjoining Railroad Spur (Former) Properties.
100002252	04/08/2015	Independent Cleanup Pathway Report Kenton Foundry (Former) and Adjoining Railroad Spur (Former) Properties.
100002253	07/22/2015	Review Comments Independent Cleanup Pathway Report Kenton Foundry and Adjacent Railroad Spur Properties.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002273	09/14/2015	Email regarding Lakeside SCE Response to Comments.
100002274	09/14/2015	EPA Follow-on Comments based on the September 8, 2015 Response to DEQ and EPA Comments on the Lakeside Site Source Control Evaluation.
100002275	09/14/2015	EPA Follow-on Comments based on the September 8, 2015 Response to DEQ and EPA Comments on the Lakeside Site Source Control Evaluation.
100002281	10/07/2015	Email regarding Lakeside Industries SAP with QAPP.
100002282	10/07/2015	Review Comments Lakeside Industries Portland Plant Sampling and Analysis Plan.
100002283	10/07/2015	Review Comments Lakeside Industries Portland Plant Sampling and Analysis Plan.
100002288	08/04/2015	Response to DEQ and EPA Comments on the Lakeside Site Source Control Evaluation (SCE), December 2013, Lakeside Industries.
100002289	09/08/2015	Response to DEQ and EPA Comments on the Lakeside Site Source Control Evaluation (SCE).
100002290	09/23/2015	Lakeside Industries Portland Plant Sampling and Analysis Plan.
100002314	09/21/2015	Email regarding GS Roofing Workplan Review.
100002315	09/21/2015	Review Comments Supplemental Source Control Evaluation Work Plan Former Bird Facility.
100002317	09/01/2015	Supplemental Source Control Evaluation (SSCE) Workplan.
100002316	09/02/2015	Supplemental Source Control Evaluation (SSCE) Workplan Cover Letter Former Bird Roofing Facility.
100002330	01/29/2016	Email regarding DEQ comments on Gunderson FFS for Area 2 bank.
100002331	01/29/2016	DEQ Comments on Area 2 Riverbank Source Control Measures Focused Feasibility Study Gunderson.
100002332	11/09/2015	Review Comments Area 2 Riverbank Source Control Measures Focused Feasibility Study Gunderson Facility.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100002333	10/22/2015	Email regarding DEQ letter on Gunderson's status of interim measure completion.
100002336	10/22/2015	Status of Area 2 and Area 3 Riverbank Interim Source Control Measure Implementation Gunderson.
100002338	11/09/2015	Email regarding Gunderson Area 2 Riverbank SCM FFS.
100002339	11/09/2015	Review Comments Area 2 Riverbank Source Control Measures Focused Feasibility Study Gunderson Facility.
100002348	10/14/2015	Email regarding NuStar Portland Terminal (ECSI #5130) Quarterly Progress Report.
100002349	10/14/2015	Voluntary Agreements Progress Report – Third Quarter 2015 Shore Terminals LLC Portland Facility.
100002360	08/21/2015	Email regarding EPA Shore Terminals SCE final comments.
100002361	08/21/2015	Review Comments Shore Terminals Source Control Evaluation.
100002365	12/01/2015	Email regarding Front LPTube Forgings Storm Water Source Control, ECSI #1239, Portland, OR.
100002366	12/01/2015	Review Comments Stormwater Pollution Control Plan Tube Forgings of America, Inc.
100002372	12/21/2015	Email regarding Lampros Properties - November 2015 sampling results from the Source Control Evaluation program.
100002373	12/17/2015	Sampling Results from the Source Control Evaluation Report Program Lampros Properties.
100002374	12/21/2015	Email regarding Lampros Properties - November 2015 sampling results from the Source Control Evaluation program.
100002375	01/11/2016	Lampros Center Draining to Burgard Road Photo.
100002376	10/21/2015	Lampros end draining to Burgard Road photo.
100002378	11/02/2015	Email regarding Lampros Draft Source Control Evaluation Report 9-8-2015.
100002379	11/02/2015	Review Comments Draft Stormwater Source Control Evaluation Report Lampros Properties.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002381	09/04/2015	Email regarding DEQ comments on ODOT revised draft stormwater assessment (Mar 17, 2015).
100002382	09/04/2015	DEQ review comments on Revised (Mar 17, 2015) draft Stormwater Assessment for Source Control Evaluation - ODOT Facilities in Portland Harbor.
100002386	12/03/2015	Email regarding EPA comments - Schnitzer Burgard Basin 2 SAP.
100002387	12/03/2015	Review Comments Phase 2 Basin 2 Storm Water Monitoring Plan Burgard Industrial Park.
100002388	08/27/2015	Email regarding DEQ Response to EPA comments-Sulzer Pump Source Control Evaluation Report dated May 7, 2015.
100002389	08/27/2015	Review Comments Draft Source Control Evaluation Report Sulzer Pumps Facility.
100002396	12/15/2015	Email regarding EPA Comments - Schnitzer Industrial Park Basin 18 SSAP (Dunkin & Bush, Felton).
100002397	12/15/2015	Review Comments Basin 18 Supplemental Sampling and Analysis Plan Source Control Evaluation Burgard Industrial Park.
100002398	10/16/2015	Basin 18 Supplemental Sampling and Analysis Plan Source Control Evaluation Burgard Industrial Park.
100002399	10/21/2015	Basin 18 Supplemental Source Control Evaluation Sampling and Analysis Plan (Attachment A - Sampling and Analysis Program Dunkin & Bush Property.
100002400	11/20/2015	Basin 18 Supplemental Source Control Evaluation Sampling and Analysis Plan (Attachment B - Sampling and Analysis Program Felton Property.
100002410	10/27/2015	DEQ Comments Sulzer Pump Source Control Evaluation Report dated May 7, 2015.
100002411	10/27/2015	Attachment to 10-27015 DEQ Comment Letter Example Chronology of SW Sampling & SCM Implementation.
100002412	10/27/2015	Attachment to DEQ Comment Letter dated 10-27-15 Chromium in Stormwater at Portland Harbor Heavy Industrial Sites.
100002413	08/04/2006	Source Control Plan Sulzer Pump Sites.
100002414	06/29/2007	Supplemental Source Control Evaluation Sulzer Pumps Facility.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002452	12/10/2015	Email regarding Response to Agency Comments and Final Univar Stormwater Source Control Work Plan.
100002453	12/10/2015	Letter regarding Responses to ODEQ CommentsDraft Stormwater Source Control Evaluation Work Plan Dated October 2015 Univar USA Inc.
100002455	11/10/2015	Email regarding City Comments on Univar Draft Stormwater Source Control Evaluation Work Plan.
100002456	11/05/2015	Review of draft Stormwater Source Control Evaluation Work Plan.
100002457	11/10/2015	DEQ comments on Draft Stormwater Source Control Evaluation Work Plan – Univar USA, Inc.
100002465	10/23/2015	Email regarding US Army Corps.
100002466	10/23/2015	Warning Notice: Implementation of Narrative Technology Based Effluent Limits and Implementation of SWPCP Stormwater Facility Inspection- US Army Corps of Engineers-US Government Moorings.
100002467	01/03/2014	Email regarding UNITED STATES ARMY CORPS OF ENGINEERS WQ/SW-NWR-13-134 Notice of Civil Penalty Assessment Issued 12/30/2013.
100002468	12/30/2013	Notice of Civil Penalty Assessment and Order Case No. WQ/SW-NWR-13-134.
100002488	09/14/2015	Email regarding Vigor-Stormwater Source Control and Treatment Measure Design Update.
100002489	08/13/2015	Response to Oregon Department of Environmental Quality Comments Vigor Industrial – Swan Island Upland Facility Appendix D – Storm Water Source Control and Treatment Measure Design Update.
100002490	08/13/2015	Email regarding Vigor-Stormwater Source Control and Treatment Measure Design Update.
100002491	08/13/2015	Response to Oregon Department of Environmental Quality Comments Vigor Industrial – Swan Island Upland Facility Appendix D – Storm Water Source Control and Treatment Measure Design Update.
100002497	06/30/2015	Remedial Action Closure and Source Control Evaluation Report Former Westinghouse Property.
100002498	06/30/2015	Remedial Action Closure and Source Control Evaluation Report Former Westinghouse Property.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002499	07/27/2015	Email regarding 69 Wilhelm Trucking Work Plan.
100002500	07/23/2015	Review Comments Revised Work Plan for Source Control Measure Implementation and Stormwater Sampling Activities Wilhelm Trucking Company.
100002503	12/01/2015	Email regarding Submittal: Addendum 4 to the XPA/SCE for BNSF's Willbridge Yard, Portland, OR.
100002504	08/14/2015	Addendum 4 to the Expanded Preliminary Assessment and Source Control Evaluation 2015 Stormwater Storm Drain Sampling Results BNSF Willbridge Switching Yard.
100002505	01/21/2016	Email regarding EPA Comments - Phillips 66 Willbridge Terminal Source Control Evaluation Addendum Report prepared by AECOM.
100002506	01/21/2016	Review Comments Source Control Evaluation Addendum Phillips 66 Willbridge Terminal.
100002507	01/13/2016	Email regarding EPA Comments - Addendum 4 to the XPA/SCE for BNSF's Willbridge Yard, Portland, OR.
100002508	01/13/2016	Review Comments Addendum 4 to the Expanded Preliminary Assessment and Source Control Evaluation 2015 Stormwater Storm Drain Sampling Results BNSF Willbridge Switching Yard.
100002527	10/29/2015	Email regarding EPA comments - SIUF OU5 SCM workplan.
100002528	10/29/2015	Review Comments Source Control Measure Work Plan Swan Island Upland Facility Operable Unit 5.
100002529	10/29/2015	Review Comments Source Control Measure Work Plan Swan Island Upland Facility Operable Unit 5.
100002530	09/21/2015	Email regarding EPA comments on SIUF SCE and SCAE OU5.
100002531	09/21/2015	Review Comments on the Source Control Evaluation and Source Control Alternatives Evaluation, Operable Unit 5, Swan Island Upland Facility.
100002532	02/13/2015	Review Comments on the Source Control Evaluation and Source Control Alternatives Evaluation, Operable Unit 5, Swan Island Upland Facility.
100002533	09/15/2015	Transmittal Memorandum regarding SIUF OU4 Revised Soil and Cap Management Plan.
100002534	12/15/2014	Revised Soil and Cap Management Plan Operable Unit 4 Swan Island Upland Facility.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002552	08/31/2015	Email regarding DEQ-EPA Comments on pre-final Basis Design Report, PEO Site (ECSI# 2013).
100002553	08/28/2015	Basis of Design Report – Groundwater Source Control measure Premier Edible Oils Site.
100002554	09/14/2015	Email regarding EPA followon comments to PEO discussion on 9/15/15.
100002558	09/14/2015	EPA Follow-On Comments based upon the September 9, 2015 teleconference discussion of DEQ and EPA review comments to the July 2015 document entitled, Basis of Design Report – Groundwater Source Control Measure.
100002555	10/02/2015	Email regarding PEO revised BOD and RTC.
100002557	09/14/2015	EPA Follow-On Comments based upon the September 9, 2015 teleconference discussion od DEQ and EPA review comments to the July 2015 documented entitled, Basis of Design Report - Groundwater Source Control Measure.
100002559	10/07/2015	Email regarding PEO (ECSI #2013) Groundwater Source Control Measure - GWBW Revised Basis of Design and RTCs.
100002560	10/06/2015	Basis of Design Report- Groundwater Source Control measure Premier Edible Oils Site.
100002561	10/29/2015	Email regarding PEO (ECSI #2013) Groundwater Source Control Measure - GWBW Revised Basis of Design and RTCs.
100002562	09/24/2015	Premier Edible Oils Site Responses to DEQ/USEPA Comments on Basis of Design Report - Groundwater Source Control Measure.
100002563	07/14/2015	Revised Basis of Design Report - Groundwater Source Control Measure.
100002593	01/22/2016	Email regarding DEQ and EPA Comments for NWP December 18th Work Plan.
100002595	01/19/2016	DEQ Comments for Supplemental Groundwater Sampling and Data Evaluation Work Plan, NW Pipe Company Site.
100002596	08/25/2015	Email regarding Meeting Comments and EPA Letter Review Schedule.
100002597	08/14/2014	July 10, 2014 NWP/DEQ Meeting Notes Addressing NWP's Response to July 8, 2014 DEQ Comments on Remedial Investigation and Source Control Evaluation Report.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002598	01/26/2016	Email regarding Notes from 1/25/16 call with NWP.
100002599	01/26/2016	Meeting Summary and Follow-On Meeting on January 25, 2016 to Discuss DEQ and EPA's January 19 2016 Comments on the Northwest Pipe Work Plan - Supplemental Groundwater Sampling and Data Evaluation.
100002600	10/05/2015	Email regarding 138 NWP Revision of 8/31/2015 DEQ Comments for Source Control Evaluation.
100002601	10/02/2015	Development of Oregon Background Metals Concentrations in Soil Table 3 Regional Background Calculations for Metals.
100002602	11/10/2015	Email regarding 138 NWP Meeting on November 10th.
100002603	11/10/2015	Meeting Agenda Northwest Pipe Company Comment Response and Finalization of the RI/SCE.
100002604	11/10/2015	Conceptual Site Model Discussion to Facilitate Completion of the RI/SCE Northwest Pipe Company.
100002605	10/19/2015	Email regarding 138 NWP Revision of 8/31/2015 DEQ Comments for Source Control Evaluation DEQ Response to October 5 2015 Email (Below).
100002606	10/19/2015	Letter regarding ECSI 138, Northwest Pipe Company Portland plant; response to comments.
100002607	01/25/2016	Email regarding DEQ and EPA Comments for NWP December 18th Work Plan.
100002608	01/19/2016	DEQ Comments for Supplemental Groundwater Sampling and Data Evaluation Work Plan, NW Pipe Company Site.
100002609	12/18/2015	ECSI 138, Northwest Pipe Company Portland plant; Groundwater Sampling Work Plan.
100002610	11/25/2015	Figure 1 Groundwater Sample Locations Northwest Pipe Company.
100002623	01/27/2016	Email regarding 22B.
100002624	01/26/2016	EMPC Reporting for the Rhone-Poulenc Site RP-Portland Site.
100002625	11/02/2015	Email regarding Rhone Poulenc cap containment evaluation modeling.
100002626	10/30/2015	Groundwater Contamination Containment Evaluation Proposed Modeling Path Forward.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100002625	11/02/2015	Email regarding Rhone Poulenc cap containment evaluation modeling.
100002627	10/30/2015	Groundwater Contamination Containment Evaluation Proposed Modeling Path Forward.
100002628	11/06/2015	Email regarding Rhone Poulenc cap containment evaluation modeling.
100002629	11/04/2015	Email regarding Rhone Poulenc cap containment evaluation modeling.
100002640	11/05/2015	Groundwater Contamination Containment Evaluation Proposed Modeling Path Forward
100002641	11/05/2015	Groundwater Contamination Containment Evaluation Proposed Modeling Path Forward.
100002642	11/05/2015	Email regarding Starlink Long Term Groundwater Monitoring Work Plan.
100002644	11/05/2015	Review Comments 2015 Groundwater Monitoring Work Plan Former Rhone-Poulenc.
100002645	11/05/2015	Review Comments 2015 Groundwater Monitoring Work Plan Former Rhône-Poulenc.
100002646	11/13/2015	Email regarding DEQ Rhone Poulenc Review Letters- FS Work Plan and GW Monitoring Plan.
100002647	10/29/2015	DEQ Review "2015 Groundwater Monitoring Work Plan Former Rhone-Poulenc Portland Site".
100002648	10/29/2015	DEQ Review "Feasibility Study Work Plan Former Rhone Poulenc Site".
100002649	10/29/2015	DEQ Review "2015 Groundwater Monitoring Work Plan Former Rhone-Poulenc Portland Site".
100002650	08/25/2015	Email regarding Off-property HHR Screening Comments.
100002651	08/25/2015	DEQ Review "Off-Property Screening Level Human Health Risk Evaluation Former Rhone-Poulenc Portland Site".
100002652	01/14/2016	Response to December 21, 2015 Letter, Response to DEQ Comments on Outfall 22B IRAM Performance Monitoring, Second Quarter 2015 Report RP-Portland Site ECSI #155.
100002653	12/21/2015	Response to DEQ Comments on Outfall 22B IRAM Performance Monitoring Second Quarter 2015 Report.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002693	07/31/2015	Email regarding references on protocols for detemining completion for groundwater treatment systems.
100002694	11/25/2013	Guidance for Evaluating Completion of Groundwater Restoration Remedial Actions.
100002696	08/04/2014	Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well.
100002698	09/24/2015	Email regarding Hampton and Glacier documentation of slag fill.
100002699	09/01/2005	Draft Front Avenue LP Properties CSM Site Summary.
100002700	10/22/2015	Email regarding Riverbank documentation.
100002701	10/21/2015	List of "Properties with Known Riverbank Contamination for evaluation."
100002702	12/21/2015	Email regarding Portland Downtown Reach.
100002703	12/10/2014	Downtown Reach Conceptual Site Model and Additional Data Needs.
100002704	01/22/2016	Email regarding EPA SCD template.
100002705	01/19/2016	Draft EPA Review of Final Source Control Decision (SCD).
100002706	10/05/2015	Email regarding minutes from Sep 22 interagency PH permits coord meeting.
100002707	09/22/2015	Minutes Staff Coordination on Portland Harbor Projects with USACE Permits September 22, 2015.
100002708	09/22/2015	Minutes Staff Coordination on Portland Harbor Projects with USACE Permits September 22, 2015.
100002722	10/06/2015	Email regarding Agenda and information for today's PH permits coord - manager-level quarterly meeting.
100002723	07/22/2002	Letter of Agreement Between the U.S. Environmental Protection Agency, Region 10, the Oregon Department of Environmental Quality and the U. S. Army Corps of Engineers, Portland District Concerning the Lower Willamette River.
100002724	08/07/2015	Minutes Staff Coordination on Portland Harbor Projects with USACE Permits August 7, 2015.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002725	10/07/2015	Email regarding minutes from PH permits coord manager-level quarterly meeting Oct 6, 2015.
100002726	10/06/2015	Minutes Manager-Level Quarterly Meeting Portland Harbor Projects Coordination DEQ, NMFS, USACE, EPA October 6, 2015.
100002727	11/17/2015	Email regarding DEQ NRRB Source Control Presentation.
100002728	11/17/2015	Portland Harbor Source Control - National Remedy Review Board - DEQ Presentation Notes.
100002729	07/06/2015	Email regarding Thanks.
100002730	04/09/2014	EPA SC Focus Areas & Sites Tracking List.
100002735	10/07/2015	Email regarding minutes from PH permits coord manager-level quarterly meeting Oct 6, 2015.
100002736	10/06/2015	Minutes Manager-Level Quarterly Meeting Portland Harbor Projects Coordination DEQ, NMFS, USACE, EPA October 6, 2015.
100002737	11/10/2015	Email regarding PH Talking Points June 2015.
100002738	06/24/2015	SC Talking Points June 2015.
100002796	12/07/2015	Email regarding EVRAZ Issues.
100002797	12/09/2010	Attachment D December 9, 2010 EQC Meeting Water Quality Standards Review and Recommendations: Iron and Manganese.
100002798	10/13/2015	Email regarding Topsoil import material data.
100002799	10/13/2015	Proposed imported soil as berm backfill at Evraz Oregon Steel riverbank source control measure.
100002800	10/13/2015	Proposed imported soil as berm backfill at Evraz Oregon Steel riverbank source control measure.
100002801	07/23/2015	Email regarding Evraz Riverbank Import - Chemical testing results.
100002802	07/22/2015	Draft Storedahl-Evraz / 1033Q results of analyses for work order A5G0531.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002803	08/07/2015	Email regarding EVRAZ riverbank import material analytical data table.
100002804	07/31/2015	Storedahl-Evraz / 1033Q results of analyses for work order A5G0329.
100002805	08/06/2015	Certificate of Analysis A5G0329.
100002806	08/06/2015	Certification of Analysis A5G0664.
100002807	07/14/2015	Import Analytical Results Table.
100002808	10/15/2015	Email regarding Evraz Oregon Steel Groundwater report.
100002809	10/15/2015	Review Comments on the Evraz Oregon Steel 2015 Beach and Riverbank Groundwater Monitoring Report.
100002810	10/15/2015	Review Comments on the Evraz Oregon Steel 2015 Beach and Riverbank Groundwater Monitoring Report Document Dated August 6, 2015.
100002811	10/13/2015	Email regarding Topsoil import material data.
100002812	10/13/2015	Draft Evraz OR Steel / Evraz OR Steel results of analyses for work order A5I0362.
100002813	10/09/2015	Results of soil sample.
100002814	10/13/2015	Topsoil Analytical Results Table.
100002815	10/13/2015	Topsoil TEQ Table.
100002816	08/06/2015	Email regarding EVRAZ riverbank import material analytical data table.
100002817	07/14/2015	Import Analytical Results Table.
100002818	07/22/2015	Email regarding Evraz Riverbank Import - Chemical testing results.
100002819	07/22/2015	Draft Evraz Riverbank Import Review Comments.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100002821	08/20/2015	Laboratory Reports- Evraz Topsoil.
100002820	08/26/2015	Dioxin/Furan Congener Data and Calculated TEQ Values.
100002822	08/26/2015	Summary Table Evraz Topsoil.
100002851	02/19/2014	Source Control Evaluation Report Christenson Oil Company.
100002852	11/06/2014	Stormwater Source Control Evaluation Report Amendment Christenson Oil Company.
100002853	11/06/2014	Stormwater Source Control Evaluation Report Amendment Christenson Oil Company.
100002854	02/19/2014	Source Control Evaluation Report Figures Christenson Oil Company.
100002859	09/29/2015	Email regarding EPA comments on Christensen Oil draft SCD?.
100002860	09/29/2015	Review Comments State of Oregon Department of Environmental Quality Source Control Decision Christenson Oil Company.
100002861	09/29/2015	Review Comments State of Oregon Department of Environmental Quality Source Control Decision Christenson Oil Company.
100002865	09/22/2015	Email regarding Meeting Agenda.
100002829	09/21/2015	Agency Source Control coordination Meeting September 23, 2015.
100002870	12/02/2015	Email regarding EPA comments - City of Portland SCM Effectiveness Report.
100002871	12/02/2015	Review Comments Source Control Measures Effectiveness Demonstration City of Portland Outfalls Project.
100002878	10/17/2014	Stormwater Sediment Sampling and Cleanout Report, 4927 Northwest Front Avenue, Portland.
100002880	07/08/2015	3000 NW St Helens Road – Stormwater Source Control Preliminary Permit Review.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

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100002881	09/14/2015	Email regarding 4784 Container Management Document Forwarding to EPA.
100002882	09/14/2015	Review Comments Stormwater Assessment and Additional Site Activities Report Container Management Services Site.
100002883	08/26/2015	Email regarding 4784 Container Management Document Forwarding to EPA.
100002884	08/24/2015	Review Comments Stormwater Assessment and Additional Site Activities Report Container Management Services Site.
100002885	07/15/2015	Stormwater Assessment and Additional Site Activity Report.
100002886	06/09/2015	Container Management Appendix D Analytical Reports.
100002891	10/02/2015	Email regarding Info on US Moorings and Navy Reserve Swan Island.
100002951	10/23/2014	Email regarding US Army Corps.
100002952	10/23/2014	Warning Notice: Implementation of Narrative Technology Based Effluent Limits and Implementation of SWPCP Stormwater Facility Inspection- US Army Corps of Engineers-US Government Moorings.
100002953	01/03/2014	Email regarding UNITED STATES ARMY CORPS OF ENGINEERS WQ/SW-NWR-13-134 Notice of Civil Penalty Assessment Issued 12/30/2013.
100002954	12/30/2013	Notice of Civil Penalty Assessment and Order Case No. WQ/SW-NWR-13-134.
100002955	12/16/2013	Email regarding US Army Corps stormwater sampling results.
100002956	10/15/2013	Notice ofNon-Compliance- Failure to meet Tier 1 Corrective Action Reporting Requirements- Schedule A.IO.a US DOD: US Army Corps of Engineers.
100002957	10/15/2013	Notice of Non-compliance Failure to Meet Sampling Procedure Requirements - Schedule B.2 US DOD: US Army Corps of Engineers.
100002958	10/15/2013	Pre-Enforcement Referral Failure to Meet Monitoring Requirements - Schedule B and Schedule EUS DOD: US Army Corps of Engineers.
100002959	12/09/2013	Stormwater NCL Response.
100002960	12/16/2013	USACE Details Table.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100002891	10/02/2015	Email regarding Info on US Moorings and Navy Reserve Swan Island.
100002961	01/17/2014	Email regarding UNITED STATES ARMY CORPS OF ENGINEERS 13-134 Response to Notice of Civil Penalty Assessment.
100002962	01/14/2014	Notice of Civil Penalty Assessment and Order Case No. WQ/SW-NWR-13-134.
100002969	05/02/2008	Email regarding Pacific Lamprey Memorandum.
100003000	05/02/2008	Memorandum regarding Evaluation of Lamprey in Portland Harbor Ecological Risk Assessment.
100002977	04/07/2014	Email regarding Scheduling a meeting with DSL and EPA project managers.
100002985	04/01/2014	Draft Portland Harbor Feasibility Study US EPA and LWG Discussion Technology Assignment Approach.
100002980	11/03/2015	Email regarding FS Information Requests.
100002964		Q-Q Plot for HxCDF Reported values used for nondetects.
100002987	10/30/2015	Figure 3.3-40. Sediment and Soil Disposal Decision Tree.
100002988		Background Statistics for Data Sets with Non-Detects.
100002989	10/22/2015	Outlier Test for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100002991	11/25/2014	DF Congener Upriver Data no SOM.
100002992	10/22/2015	UCL Statistics for Data Sets with Non-Detects.
100002982	02/10/2015	Email regarding Portland Harbor - BERA and Lamprey.
100002983	03/04/2008	Memorandum regarding Pacific Lamprey.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100003001	04/25/2013	Email regarding Portland Harbor: RI Section 4 tweaks to resolve 2 issues.
100003002	08/29/2011	Draft Portland Harbor RI/FS Final Remedial Investigation Report.
100003003	01/09/2012	Email regarding Portland Harbor.
100003004	01/09/2012	Cover Letter Economic Impacts of Remediating the Portland Harbor Superfund Site, dated January 3, 2012.
100003005	01/03/2012	Economic Impacts of Remediating the Portland Harbor Superfund Site.
100003006	03/29/2012	Email regarding Portland Harbor.
100003007	03/29/2012	Impact of Portland Harbor Remediation Costs on City of Portland Water and Sewer Rates Cover Letter.
100003008	03/27/2012	Impact of Portland Harbor Remediation Costs on City of Portland Water and Sewer Rates.
100003009	10/18/2011	Email regarding The Portland Harbor Superfund Site.
100003010	10/18/2011	Letter to EPA regarding The Portland Harbor Superfund Site.
100003011	10/17/2011	Portland Harbor Superfund Site Risk Management Decisions Required.
100003012	03/09/2012	Email regarding Portland Harbor.
100003013	11/22/2011	Letter regarding The Portland Harbor Superfund Site.
100003014	03/14/2008	Email regarding Portland Harbor.
100003015	03/04/2008	Memorandum regarding Pacific Lamprey.
100003016	03/06/2010	Email regarding Portland Harbor.
100003017	03/06/2010	40 CFR Part 761 Subpart D - Storage and Disposal.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003050	03/19/2009	Email regarding City Code.
100003051	03/17/2009	Clean Up of Contaminated Sites 33.475.480 Removal or Remediation of Hazardous Substances.
100003054	09/29/2015	Email regarding Portland Harbor.
100003055	08/07/2000	A Guide to Developing and Documenting Cost Estimates During the Feasibility Study.
100003071	02/03/2016	Email regarding HEA habitat values for ESA consultation.
100003072	07/30/2010	Portland Harbor Natural Resource Trustee Council "Expert Panel" Discussion of Habitat Restoration for Chinook Salmon Executive Summary.
100003073	07/08/2010	Draft HEA Habitat Values for ESA Consultation.
100003074	03/07/2012	Email regarding Portland Harbor Superfund Site -- EPA Presentation/Q&A Session with White Paper Signatories, Feb. 23, 1-3 PM.
100003075	02/23/2012	Portland Harbor Superfund Site EPA Presentation/ Q & A Session with White Paper Signatories Parties on Conference Call.
100003076	02/23/2012	Portland Harbor Superfund Site Attendees Meeting Sign-In Site.
100003080	06/03/2009	Email regarding NW Natural, DEQ Basis for Applying the Toxicity Characteristic to Commingled MGP Waste & F002 Constituents.
100003081	07/06/2005	Memorandum regarding Implementation of Vacature of TCLP Use for Evaluating Manufactured Gas Plant (MGP) Wastes in the Battery Recyclers Case.
100003082	07/18/2002	Guidance on Demonstrating Compliance With the Land Disposal Restrictions (LDR) Alternative Soil Treatment Standards Final Guidance.
100003083	03/27/2003	Memorandum regarding Management of Remediation Waste Under RCRA.
100003084	04/05/2007	Federal REgister / Vol. 67, No. 49/ Wednesday, March 13, 202/ Rules and Regulations.
100003085	06/19/2006	Guidance for Hazardous Waste Remediation RR-705.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003087	04/13/2015	Email regarding Oregon Hazardous Waste -- pesticide rule -- ARAR question.
100003089	02/20/2014	Letter regarding Dispute of EPA Comments, Arkema Inc. Portland Facility Oregon Pesticide Rule and Waste Designation.
100003091	07/13/2015	Email regarding Portland Harbor Revised ARARs tables.
100003092	03/26/2014	Chemical-Specific ARARs for Remedial Action at the Portland Harbor Superfund Site Tables.
100003097	04/30/2015	Email regarding Portland Harbor Institutional Controls.
100003098	07/18/2010	Federal Register/ Vol. 74, No. 22/ Wednesday, February 4, 2009/ Rules and Regulations.
100003099	02/01/2006	State of Oregon Department of State Lands Easement No. 31530-EA.
100003100	03/31/2015	NOAA Nav. Chart 18526 - Lower Willamette River.
100003109	09/11/2014	Email regarding Model Oregon Easement and Equitable Servitude.
100003110	10/31/2012	Easement and Equitable Servitudes (E&ES or EES).
100003143	02/01/2010	Email regarding Portland Harbor -- Memo regarding MCLs and AWQC.
100003144	02/01/2010	Enclosure 2 December 2009 Identification of ARARs Letter.
100003147	01/24/2012	Email regarding Portland Harbor Materials - follow up from 1/24.
100003148	09/21/2011	Portland Harbor Superfund Site Potential Audiences and Venues - Audience list.
100003149	10/13/2011	Information Meeting on the Portland Harbor Draft Feasibility Study - FS Agenda 2.
100003150	01/24/2012	Portland Harbor FAQs - PH 20questions.
100003151	09/30/2009	Introduction to Portland Harbor Superfund Site - PH Overview 02042011 draft.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003147	01/24/2012	Email regarding Portland Harbor Materials - follow up from 1/24.
100003152	05/22/2009	Portland Harbor Superfund Process and Milestones- Portland Harbor superfund process and milestones.
100003153	01/24/2012	Email regarding Handout DC.pdf.
100003131	01/20/2012	A River Runs Through Us - Handout DC.
100003161	03/07/2012	Email regarding Community Outreach for Portland Harbor - New event added on March 22. (Jim/Marcia, please let me know if you plan to attend any pre -FS meetings).
100003162	03/12/2012	Draft Public Announcement: Public Information Sessions for Portland Harbor Feasibility Study - Draft Public Announcement. 
100003167	04/12/2012	Email regarding Notes / Questions from PH CAG Informational Session.
100003184	04/11/2012	Questions Posed at 1st Public Information Session / Cag Meeting - QUESTIONS POSED AT 1ST PUBLIC INFORMATION SESSION.
100003176	10/21/2008	Email regarding draft approval letter for stormwater loading calculation methods . DEQ's comments on draft approval letter and DEQ's thoughts on SW Calc method.
100003180	10/21/2008	Memorandum regarding EPA's draft approval letter for stormwater loading calculations.
100003180	10/21/2008	Memorandum regarding EPA's draft approval letter for stormwater loading calculations.
100003183	09/18/2008	Memorandum regarding proposed method for calculating representative LU concentrations.
100003185	04/19/2012	Email regarding Notes / Questions from 3rd PH Info Session.
100003186	04/18/2012	Questions Posed at 3rd Public Information Session / Cag Meeting - QUESTIONS POSED AT 3RD PUBLIC INFORMATION SESSION.
100003293	07/08/2011	Email regarding Comments on the FS Check- In Meeting.
100003294	07/08/2011	Memorandum regarding Comments on the June 2011 Feasibility Study Check-in Meeting - 2011.07.08.FS.Key.Elements.Check-In.Comments.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003302	01/13/2012	Email regarding This will be useful for when we discuss what can /can't be done under piers.
100003303	08/20/2010	Piers 24 & 25 Marine Sediment Remediation Challenges and Solutions, Tacoma, Washington.
100003310	03/14/2012	Email regarding Portland Harbor FS Planning meeting - draft final agenda.
100003311	03/14/2012	Public Copy - Public Informational Session on the Portland Harbor Draft Feasibility Study - FS Agenda 3-14-12.
100003314	04/19/2012	Email regarding September 2nd HST Modeling Meeting Summary Memo.
100003315	09/28/2009	Memorandum regarding LWG HST Modeling Group Meeting on September 2, 2009 - 2009-09-28 LWG STM Group Meeting Memo.
100003326	06/14/2012	Email regarding PTM definition Memo and Figures.
100003328	02/01/2007	Figure 1 Maximum Exceedance of Bioaccumulative SLV by either DDD, DDE, or DDT within Individual Sediment Sample Grid Cells - Section6_Figure1_01feb07.
100003329	02/01/2007	Figure 2 Maximum Exceedance of PEC SLV by either DDD, DDE, or DDT within Individual Sediment Sample Grid Cells - Section6_Figure2_01feb07.
100003334	08/07/2012	Email regarding Draft FS Comments from Willamette Riverkeeper.
100003335	07/27/2012	Comments on the Portland Harbor Feasibility Study By Environmental Stewardship Concepts, LLC For the Willamette Riverkeeper and the Portland Harbor CAG - HarborComments1.
100003336	07/27/2012	General Comments on the Portland Harbor Feasibility Study By Environmental Stewardship Concepts, LLC For the Willamette Riverkeeper and the Portland Harbor CAG - HarborComments2.
100003337	07/27/2012	Confined Disposal Facilities: Portland Harbor Draft Feasibility Study By Environmental Stewardship Concepts, LLC For the Willamette Riverkeeper and the Portland Harbor CAG - HarborCommentsCDF.
100003338	07/27/2012	Sedimentation Comments on the Portland Harbor Draft Feasibility Study By Environmental Stewardship Concepts, LLC For the Willamette Riverkeeper and the Portland Harbor CAG - HarborCommentsSed.
100003342	07/16/2012	Email regarding Comments on elements of draft Portland Harbor Feasibility Study.
100003343	07/16/2012	Memorandum regarding Comments on elements of draft Portland Harbor Feasibility Study for use in developing a Record of Decision - 2012.07.16.FS.ElementsComments.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003345	07/23/2012	Email regarding PH major comments.
100003346	07/23/2012	Memorandum regarding Major Comments on March 30, 2012 Draft Feasibility Study - Draft FS July 2012 Overview Comments.
100003347	07/23/2012	Email regarding Preliminary Comments on the Portland Harbor FS.
100003348	07/23/2012	Memorandum regarding Preliminary Comments on the Draft Feasibility Study Portland Harbor Superfund Site (March 2012) - 2012-07-23 Yakama_Draft Portland Harbor FS Comments.
100003419	01/23/2013	Email regarding Portland Harbor BERA risks for selected sample types by river mile.
100003420	01/16/2013	Table11-3. Contaminants Posing Potentially Unacceptable Risks by River Mile in Selected Media - BERA Table 11-3 from EPA risks by river mile.
100003421	01/23/2013	Email regarding EPA Preliminary FS revisionTask List.
100003422	01/23/2013	Draft for Project Manager Discussion Portland Harbor FS Revisions Tasks - EPA Preliminary FS TASK LIST.
100003425	01/28/2013	Email regarding Portland Harbor- Monday, January 28th 9:30- 12:20 Conference Call to Discuss Draft FS Modeling/ MNR Related Comments.
100003426	03/19/2012	Figure 6.2-1 Portland Harbor RI/FS Draft Feasibility Study Bathymetry Survey Comparison Difference Between Surveys Conducted in 2003 and 2009 - FIG6_2_1_BathyChange.
100003445	06/25/2008	Email regarding Document Attachment.
100003453	06/25/2008	Sorted Data- Doc1.
100003448	07/21/2011	Email transmitting class of compounds tat sheet. 070111 KristineCHEMs.
100003449	07/21/2011	Kristine CHEMs data sheet.
100003450	07/18/2011	Email regarding fish sampling summary.
100003451	12/06/2010	Development and Implementation of the Fish Tissue Sampling Program at the Portland Harbor Site - BatelleFishSamplingPaper.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003452	07/21/2011	Email regarding climate of Portland harbor.
100003454	07/21/2011	Portland Harbor Climate Information - PortlandHARBORclimate.
100003469	05/15/2015	Email transmitting EPA presentation to CAG. 2015-05-13 CAG Monitoring.
100003470	05/13/2015	Presentation: Monitoring at Superfund Sites.
100003471	01/10/2012	Email regarding Portland Harbor ERA Draft Comments.
100003472	11/09/2011	Jennifer Peterson, DEQ, Draft Comments on Appendix G, Baseline Ecological Risk Assessment, July, 1, 2011 - BERA DRAFT DEQ comments_JP _questions.
100003477	02/02/2012	Email regarding Weekly Portland Harbor Ecorisk Call followup - Peer review comments on floating percentile model.
100003478	01/24/2012	Sediment Management Standards (SMS) Rule Revisions Freshwater Sediment Standards Review Comments and Responses - Summary_Reviewer_Comments_Ecology_Responses Jam 2012.
100003480	06/12/2015	Email transmitting final LW summer handout. LWG 2105 summer handout final 6-12-15.
100003481	06/12/2015	Final Lower Willamette Group summer handout.
100003634	07/01/2015	Email regarding ARARs related to Removal-Fill Program for PDX Harbor.
100003635	03/26/2014	Tables 2.1-1-2.1-3 Chemical-Specific ARARs for Remedial Action at the Portland Harbor Superfund Site - 52615 rev Copy of Tables 2 1-1 through 2 1-3 ARARs.
100003636	12/16/2014	Review of DSL Proposed ARARs for Portland Harbor Superfund Site submitted by Lore Bensel (Assistant Attorney General), dated August 4, 2014 - Response to DSL ARARs 121614.
100003637	03/26/2014	Table 2.2-3b Action-Specific ARARs for Remedial Action at the Portland Harbor Superfund Site - Revised DSL ARARs Table 2 2-03_ARARs 121614.
100003645	09/09/2015	Email regarding Effectiveness in Achieving RAOs.
100003646	09/01/2015	Effectiveness in Achieving Remedial Action Objectives - Effectiveness in Achieving RAOs.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003651	10/28/2015	Email regarding RSET REVIEW: FW SLs Public Notice.
100003652	06/16/2015	Joint Public Notice - RSET FW SLs PN 20140623.
100003656	11/23/2015	Email regarding Draft Sediment Recontamination Definition.
100003657	11/23/2015	Draft Sediment Remedy Recontamination Definition Development for Portland Harbor - Sediment Recontamination DefinitionNov20.
100003697	09/02/2015	Email regarding Significant Issues with the draft PH FS.
100003698	09/01/2015	Memorandum regarding Portland Harbor Feasibility Study (FS) Significant Issues - 2015-09-01 Review_draft_FS[4].
100003699	09/11/2015	Email regarding Section 2 Tables.
100003710	10/22/2012	Table B-1 Risk-Based Human Health PRGs - 2015-08-03 Draft Final Appendix B1_Table B1_HH PRGs.
100003752	05/13/2015	Email regarding Portland Harbor - 5/13 TCT Presentation.
100003753	05/11/2008	Portland Harbor Development of Remedial Alternatives - 2015-05-13 TCT Alternative Development (Releasable).
100003758	06/02/2015	Email regarding Portland Harbor FS Section 2.
100003759	04/27/2015	Appendix B1- Human Health Risk-Based Preliminary Remediation Goal (PRG) Derivation - 2015-06-02 Draft Final Appendix B1_HH PRGs.
100003760	10/22/2012	Table B-1 Risk-Based Human Health PRGs - 2015-06-02 Draft Final Appendix B1_Table B1_HH PRGs.
100003761	06/01/2015	Appendix B2- Ecological Risk-Based Preliminary Remediation Goal (PRGS) Derivation - 2015-06-02 Draft Final Appendix B2_Ecological PRGs.
100003762	04/03/2013	Table B-2 Risk-Based Ecological PRGs - 2015-06-02 Draft Final Appendix B2_Table B2_Eco PRGs.
100003763	05/26/2015	Figure 2.2-2 Portland Harbor Site Comparison of Risk Areas to be Remediated - 2015-06-02 Draft Final Figure 2.2-2.
100003764	09/05/2013	Tables 2.2 - 2015-06-02 Draft Final FS Section 2 2 Tables.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003758	06/02/2015	Email regarding Portland Harbor FS Section 2.
100003765	06/02/2015	Draft Final Feasibility Study Report - Introduction - 2015-06-02 Draft Final Portland Harbor FS Section 1.
100003766	06/02/2015	Draft Final Feasibility Study Report Section 2 - 2015-06-02 Draft Final Portland Harbor FS Section 2.
100003767	04/27/2011	Table 2.4-1 Initial Screening of Remedial Technologies and Process Options - 2015-06-02 Draft Final Table 2.4-01.
100003768	04/27/2011	Table 2.4-2 Technology and Process Options Screening Summary - 2015-06-02 Draft Final Table 2.4-02.
100003769	03/26/2014	Table 2.1-1 Chemical-Specific for Remedial Action at the Portland Harbor Superfund Site - 2015-06-02 Draft Final Tables 2.1-1 through 2.1-3 ARARs.
100003770	06/03/2015	Email regarding Portland Harbor FS Section 2.
100003771	05/26/2015	Figure 2.2-2 Areas that Exceed Preliminary Remediation Goals (PRGS) - 2015-06-03 Draft Final Figure 2.2-2.
100003772	06/03/2015	Email regarding Portland Harbor FS Section 2.
100003773	04/03/2013	Table B-2 Risk-Based Ecological RPGs - 2015-06-03 Draft Final Appendix B2_Table B2_Eco PRGs.
100003774	05/26/2015	Figure 2.2-2 Areas that Exceed Preliminary Remediation Goals (PRGs) - 2015-06-03 Draft Final Figure 2.2-2.
100003775	06/04/2015	Email regarding Incorporation of RM 6E and RM 11E data into the Portland Harbor FS database.
100003776	04/14/2015	Letter regarding Inclusion of RM 6E and RM 11E Data in FS Database (Lower Willamette River, Portland Harbor Superfund Site).
100003778	06/05/2015	Email regarding Portland Harbor FS Section 2 - Updated PRG tables.
100003779	09/05/2013	Table 2.1-4 Numeric Standards Associated with Chemical-Specific ARARs - 2015-06-05 Draft Final FS Section 2.2 Tables.
100003806	08/18/2015	Email regarding Portland Harbor FS Section 4.
100003807	08/18/2015	Portland Harbor RI/FS Appendix F HST Evaluation Draft Final - 2015-08-18 Appendix F_HST Evaluation.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003806	08/18/2015	Email regarding Portland Harbor FS Section 4.
100003808	08/18/2015	Portland Harbor RI/FS Appendix G Detailed Cost Evaluation Draft Final - 2015-08-18 Appendix G_Cost.
100003809	08/18/2015	Portland Harbor RI/FS Appendix H Residual Risk Evaluation Draft Final - 2015-08-18 Appendix H_Residual Risk.
100003870	08/18/2015	Portland Harbor RI/FS Appendix I Rolling Rivermile Curves - 2015-08-18 Appendix I_Rolling Rivermile Curves.
100003871	07/29/2015	Portland Harbor RI/FS Appendix J Compensatory Mitigation Requirements Under CWA Section 404 Draft Final - 2015-08-18 Appendix J_404 mitigation strategy.
100003872	08/18/2015	Portland Harbor RI/FS Draft Final Feasibility Study Report Section 4 - 2015-08-18 Portland Harbor FS Section 4.
100003873	03/13/2015	Section 4 Tables - 2015-08-18 Section 4 Tables.
100003874	08/18/2015	Table 4.3-1 Summary of Comparative Analysis of Alternatives - 2015-08-18 Table 4.3-1_Comparative Analysis.
100003875	07/14/2015	Table 4.3-2. Summary of Comparative Analysis for Remedial Alternatives - 2015-08-18 Table 4.3-2 Qualitative Comparative Analysis.
100003876	08/18/2015	Figure 4.1-4. Absolute Bathymetric Change Seen Between Survey Pairs - Figure 4.1-4_Absolute Bathymetric Change.
100003877	07/25/2012	Portland Harbor Erosion and Deposition since January 2002 - Figure 4.1-5a-h_Bathymetry Compare Maps.
100003878	08/18/2015	Figure 4.1-6. 2007 and 2012 PCB Concentrations in Whole Smallmouth Bass by River Mile - Figure 4.1-6_2007_2012 Fish Tissue Data.
100003817	06/19/2015	Email regarding bioaccumulation modeling report.
100003818	06/18/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix A: Co-Located Data - 2015-06-19_Rev Draft Bioaccum Modeling Report_App A_CLEAN.
100003819	06/18/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix A: Co-Located Data - 2015-06-19_Rev Draft Bioaccum Modeling Report_App A_REDLINE.
100003820	06/18/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix B: Mechanistic Model Parameterization - 2015-06-19_Rev Draft Bioaccum Modeling Report_App B_CLEAN.
100003821	07/27/2009	Draft Portland Harbor Bioaccumulation Modeling Report Map 4-1 Surface Water Sampling Locations in the Study Area - 2015-06-19_Rev Draft Bioaccum Modeling Report_App B_Maps.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003817	06/19/2015	Email regarding bioaccumulation modeling report.
100003822	06/19/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix B: Mechanistic Model Parameterization - 2015-06-19_Rev Draft Bioaccum Modeling Report_App B_REDLINE.
100003823	06/19/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix C: Model Documentation - 2015-06-19_Rev Draft Bioaccum Modeling Report_App C_CLEAN.
100003824	06/19/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix D: Round 3 Data Compared to the Round 2 Report Mechanistic Model - 2015-06-19_Rev Draft Bioaccum Modeling Report_App D_CLEAN.
100003825	06/19/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix E: Empirical Tissue Data for the Mechanistic Model - 2015-06-19_Rev Draft Bioaccum Modeling Report_App E_CLEAN.
100003826	06/19/2015	Draft Portland Harbor Superfund Site Bioaccumulation Modeling Report Appendix E: Empirical Tissue Data for the Mechanistic Model - 2015-06-19_Rev Draft Bioaccum Modeling Report_App E_REDLINE.
100003827	06/19/2015	Portland Hard RI/FS Bioaccumulation Modeling Report Revised Draft - 2015-06-19_Rev Draft Bioaccum Modeling Report_CLEAN.
100003828	06/19/2015	Portland Harbor RI/FS Bioaccumulation Modeling Report Revised Draft - 2015-06-19_Rev Draft Bioaccum Modeling Report_REDLINE.
100003829	06/24/2015	Email regarding EPA response to NW Natural 5/15/15 letter.
100003830	06/24/2015	Letter regarding Portland Harbor Administrative Settlement Agreement and Order on Consent for RI/FS.
100003844	07/29/2015	Email regarding Equilibrium Estimates Memorandum.
100003845	07/11/2014	Figure 1 Portland Harbor RI/FS Sediment Equilibrium Estimates for the Revised Feasibility Study Smallmouth Bass Tissue Sampling Locations and Total PCB Sediment Concentration Contours - 2014-08-07_ Equilibrium Estimates Memo Figures.
100003846	08/07/2015	Sediment Equilibrium Estimates for the Revised Feasibility Study - 2014-08-07_Equilibrium Estimates Memo.
100003849	08/07/2015	Email regarding Portland Harbor.
100003850	08/07/2015	Natural Recovery of Sediments Affected by PCBs in Portland Harbor - 2015-08-07 Final letter to EPA.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003852	08/14/2015	Email regarding Preliminary List of Section 3 Inconsistencies.
100003853	08/07/2015	R Graphics Output - t0_RollingRM_Conc.
100003854	08/13/2015	R Graphics Output - t0_RollingRM_Conc_LogZoomed_cpah.
100003855	08/07/2015	R Graphics Output - t0_RollingRM_Conc_Zoomed.
100003879	08/19/2015	Email regarding EPA's PDX Harbor reactive statement re: Sections 3 and 4 of the FS.
100003880	08/04/2015	Suggested Talking Points EPA Draft FS - LWG Talking Points on EPA Draft FS -August 2015.
100003911	10/13/2015	Email regarding Cost and Construction Duration Analysis.
100003912	10/08/2015	Assessment of Dredging Production Rates and Construction Duration Assumptions on EPA's FS Cost Estimates - 2015_10_08_Construction Duration Cost Analysis.
100003913	01/15/2014	Memorandum regarding Proposed Process for Incorporation of EPA's Dredge Production and Dredge Residual Recommendations for the Portland Harbor Feasibility Study.
100003915	10/21/2015	Email regarding FS Information Requests.
100003916	09/08/2015	Information Needs to Enable Review of EPA's Revised FS Sections 3 and 4 - 2015-09-08 Information Requests from EPA.
100003936	11/02/2015	Email regarding Reconsideration Request for Submission of Portland Harbor Remedial Comments to National Remedy Review Board.
100003937	10/30/2015	Portland Harbor Superfund Site/Remedy Review Board - 15-1030 FINAL Reconsideration Request to EPA RA (attach).
100003939	11/03/2015	Email regarding FS Information Requests.
100003940	10/30/2015	Figure 3.3-40. Sediment and Soil Disposal Decision Tree - 2015-11-03 Fig3-03-40.
100003941	08/11/2015	GIS Riverbank Estimate Assumptions - Annotated Riverbank Quantity Calculations Pages 179-181.
100003942	11/25/2014	DF Congener Upriver Data - DF congener upriver data no SOM.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100003939	11/03/2015	Email regarding FS Information Requests.
100003943	11/06/2015	Q-Q Plot for HxCDF Reported Values for Nondetects - HxCDF Q-Q.
100003944	11/22/2015	Outliers Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit - HxCDF_outlier.
100003945	10/22/2015	UCL Statistics for Data Sets with Non-Detects - HxCDF_UCL.
100003946	10/22/2015	Background Statistics for Data Sets with Non-Detects - HxCDF_UPL.
100003958	12/14/2015	Email regarding Status of LWG September information request.
100003959	07/30/2015	R Graphics Output - AllChemRollingRMFullScale.
100003960	07/30/2015	R Graphics Output - AllRollingRM_HQ.
100003993	07/01/2015	Email regarding ARARs related to Removal-Fill Program for PDX Harbor.
100003994	03/26/2014	Tables 2.1-3 Portland Harbor Superfund Site - 52615 rev Copy of Tables 2 1-1 through 2 1-3 ARARs.
100003995	12/16/2014	Letter regarding Review of DSL Proposed ARARs for Portland Harbor Superfund Site Submitted by Lore Bensel - Response to DSL ARARs 121614.
100003996	03/26/2014	Table 2.2-3b Action- Specific ARARs for Remedial Action at the Portland Harbor Superfund Site - Revised DSL ARARs Table 2 2-03_ARARs 121614.
100004005	09/09/2015	Email regarding Effectiveness in Achieving RAOs.
100004006	09/01/2015	Effectiveness in Achieving Remedial Action Objectives - Effectiveness in Achieving RAOs.
100004011	10/28/2015	Email regarding RSET REVIEW: FW SLs Public Notice.
100004012	07/02/2015	Joint Public Notice - RSET FW SLs PN 20140623.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100004014	11/17/2015	Email regarding Presentation on Modeling - 11-16-15b.
100004015	04/07/2013	State Presentation to NRRB on Modeling - State Presentation to NRRB on Modeling 11-16-15b (2).
100004016	11/23/2015	Email regarding Draft Sediment Recontamination Definition.
100004017	11/23/2015	Draft Sediment Remedy Recontamination Definition Development for Portland Harbor - Sediment Recontamination DefinitionNov20.
100004086	04/27/2015	EPA Direction to LWG on Production of Draft Final Remedial Investigation Report for the Portland Harbor Superfund Site.
100004087	02/02/2015	Portland Harbor RI/FS Revised Draft Final Remedial Investigation Report.
100004088	07/31/2013	Nonparametric Background Statistics for Data Sets with Non-Detects.
100004089	07/31/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004100	08/02/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004101	02/19/2015	Q-Q Plot for Arclor Reported values used for nondetects.
100004102	07/31/2013	Nonparametric UCL Statistics for Data Sets with Non-Detects.
100004103	08/02/2013	Nonparametric Background Statistics for Data Sets with Non-Detects.
100004104	08/02/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004105	08/02/2013	General Statistics - Nonparametric Distribution Free UCL Statistics.
100004106	08/02/2013	Nonparametric Background Statistics for Data Sets with Non-Detects.
100004107	08/02/2013	Nonparametric UCL Statistics for Data Sets with Non-Detects.
100004108	09/23/2014	Background Statistics for Data Sets with Non-Detects.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100004086	04/27/2015	EPA Direction to LWG on Production of Draft Final Remedial Investigation Report for the Portland Harbor Superfund Site.
100004109	09/23/2014	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004110	09/24/2014	UCL Statistics for Data Sets with Non-Detects.
100004124	09/22/2014	Background Statistics for Data Sets with Non-Detects.
100004125	08/02/2013	Nonparametric Background Statistics for Data Sets with Non-Detects.
100004126	08/22/2013	Background Statistics for Data Sets with Non-Detects.
100004127	09/22/2014	Background Statistics for Data with Non-Detects.
100004128	09/23/2014	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004129	09/16/2014	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004130	08/02/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004131	03/01/2016	Q-Q Plot for Aroclor Reported values used for nondetects.
100004132	09/22/2014	UCL Statistics for Data Sets with Non-Detects.
100004133	08/02/2013	Nonparametric UCL Statistics for Data Sets with Non-Detects.
100004134	08/02/2013	UCL Statistics for Data Sets with Non-Detects.
100004135	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004136	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004137	07/30/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100004086	04/27/2015	EPA Direction to LWG on Production of Draft Final Remedial Investigation Report for the Portland Harbor Superfund Site.
100004138	07/20/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detect.
100004139	07/30/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004140	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004141	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004142	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004143	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004196	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004197	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004198	07/30/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 Detection Limit.
100004199	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004200	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004201	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004202	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004203	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets in Non-Detects.
100004204	07/31/2013	Background Statistics for Uncensored Full Data Sets.
100004205	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100004086	04/27/2015	EPA Direction to LWG on Production of Draft Final Remedial Investigation Report for the Portland Harbor Superfund Site.
100004206	07/30/2013	Outlier Tests for Selected Variables excluding nondetects.
100004207	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004208	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004209	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004210	07/31/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects.
100004211	07/31/2013	Normal UCL Statistics for Uncensored Full Data Sets.
100004212	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004213	07/30/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects.
100004214	07/30/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004215	07/30/2013	UCL Statistics for Uncensored Full Data Sets.
100004241	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004242	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004243	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004244	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004245	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004246	08/02/2013	Gamma Background Statistics for Data Sets with Non-Detects.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100004086	04/27/2015	EPA Direction to LWG on Production of Draft Final Remedial Investigation Report for the Portland Harbor Superfund Site.
100004247	08/02/2013	Normal Background Statistics for Data Sets with Non-Detects.
100004248	08/02/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004249	08/02/2013	Goodness-to-Fit Test Statistics for Data Sets with Non-Detects.
100004250	09/22/2014	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004251	08/02/2013	Gamma UCL Statistics for Data Sets with Non-Detects.
100004252	02/19/2016	Q-Q Plot for DDx Reported values used for nondetects.
100004253	02/24/2012	Figure 1-1 Portland Harbor RI/FS Vicinity Map.
100004254	05/31/2013	R Graphics Output - RI COCs.
100004255	06/26/2013	R Graphics Output - RI COIs.
100004256	08/29/2013	Normal Background Statistics for Data Sets with Non-Detects.
100004257	08/29/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004258	08/29/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004259	08/29/2013	normal UCL Statistics for Data Sets with Non-Detects.
100004260	04/27/2015	Portland Harbor RI/FS Draft Final Investigation Section 8.
100004271	04/07/2011	Draft Map 1.2-1 Portland Harbor RI/FS Remedial Investigation Report Portland Harbor Study Area and Vicinity.
100004272	04/22/2002	Draft 3-5b Sediment Profile Survey.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100004086	04/27/2015	EPA Direction to LWG on Production of Draft Final Remedial Investigation Report for the Portland Harbor Superfund Site.
100004273	11/29/2012	Draft Figure 3-1. Portland Harbor RI/FS Round 3 Groundwater Pathway Assessment Stratigraphic Coring FSR - Gunderson Core Location Map.
100004274	04/16/2015	Map 2-1a Portland Harbor RI/FS Ownership and Zoning.
100004275	02/24/2012	Map 1-3 Portland Harbor RI/FS 2001 Aerial Ortho-photos.
100004276	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004277	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004278	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004279	07/30/2013	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects.
100004290	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004291	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004292	07/30/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit.
100004293	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004294	07/30/2013	Background Statistics for Data Sets with Non-Detects.
100004295	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004296	07/30/2013	UCL Statistics for Data Sets with Non-Detects.
100004297	07/30/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects.
100004298	07/30/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100004086	04/27/2015	EPA Direction to LWG on Production of Draft Final Remedial Investigation Report for the Portland Harbor Superfund Site.
100004299	07/30/2013	Background Statistics for Uncensored Full Data Sets.
100004300	07/30/2013	UCL Statistics for Uncensored Full Data Sets.
100004385	07/30/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects.
100004386	10/31/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects.
100004387	07/30/2013	Outlier Tests for Selected Uncensored Variables.
100004388	07/30/2013	Background Statistics for Uncensored Full Data Sets.
100004389	07/30/2013	UCL Statistics for Uncensored Full Data Sets.
100004390	04/29/2014	Section 5.4 Tables.
100004391	05/07/2013	Table 5.1-3 Basis for screening of COIs due to co-location.
100004392	06/07/2013	Table 5.3-1 Average Heights of Sediment collected in Sediment Traps Deployed in Willamette River (2007 & 2009).
100004393	09/22/2014	Background Statistics for Data Sets with Non-Detects.
100004394	07/31/2013	Normal Background Statistics for Uncensored Full Data Sets.
100004395	07/31/2013	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detect.
100004396	10/31/2013	Outlier Tests for Selected Variables excluding nondetects.
100004397	09/22/2014	UCL Statistics for Data Sets with Non-Detects.
100004398	09/22/2014	UCL Statistics for Data Sets with Non-Detects.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100004556	10/15/2015	Email transmitting 10/14/15 CAG notes. 2015 10 14 CAG notes.
100004558	10/14/2015	Notes from 10/14/15 CAG meeting.
100004898	02/22/2016	Email regarding Portland Harbor - Corrected presentation.
100004896	01/22/2015	Portland Harbor Superfund Site Presentation.
100004935	12/29/2015	Email regarding Confirmation Letters.
100004936	12/23/2015	Letter regarding Portland Harbor Superfund Site Consultation with Confederated Tribes of Grande Ronde.
100004937	12/23/2015	Letter regarding Portland Harbor Superfund Site Consultation with Siletz Tribal Council.
100004938	12/23/2015	Letter regarding Portland Harbor Superfund Site Consultation with Yakima Nation.
100004939	12/23/2015	Letter regarding Portland Harbor Superfund Site Consultation with Confederated Tribes of Warm Springs Reservation.
100004950	12/23/2015	Letter regarding Portland Harbor Superfund Site Consultation with Confederated Tribes of the Umatilla Indian Reservation.
100004951	12/23/2015	Letter regarding Portland Harbor Superfund Site Consultation with Nez Perce Tribe.
100004952	06/11/2015	Email regarding Invitation for Government-to-Government Consultation with EPA on the Portland Harbor Superfund Site Conceptual Cleanup Plan.
100004953	06/10/2015	Letter regarding EPA coordination with the Umatilla Tribal Council.
100004954	06/11/2015	Email regarding Invitation for Government-to-Government Consultation with EPA on the Portland Harbor Superfund Site Conceptual Cleanup Plan.
100004955	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with Yakima Nation.
100004956	06/11/2015	Email regarding Invitation for Government-to-Government Consultation with EPA on the Portland Harbor Superfund Site Conceptual Cleanup Plan.
100004957	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Warm Spring Tribal Council.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100004974	06/11/2015	Email regarding Invitation for Government-to-Government Consultation with EPA on the Portland Harbor Superfund Site Conceptual Cleanup Plan.
100004975	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with Grand Ronde Tribal Council.
100004976	06/11/2015	Email regarding Invitation for Government-to-Government Consultation with EPA on the Portland Harbor Superfund Site Conceptual Cleanup Plan.
100004977	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with Confederated Tribes of Siletz.
100004978	01/05/2016	Email regarding proposed agenda.
100004979	12/23/2015	Letter regarding EPA Portland Harbor Superfund Site Consultation with Confederated Tribes of Warm Springs Reservation.
100004980	01/05/2016	Correspondence regarding physical address Confederated Tribe of Warm Springs.
100004983	06/12/2015	Email regarding Signed copies of Ptlid Harbor consultation letters.
100004984	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Nez Perce Tribal Council.
100004985	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Grand Ronde Tribal Council.
100004986	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Siletz Tribal Council.
100004987	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Warm Springs Tribal Council.
100004988	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Yakima Nation.
100004989	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Umatilla Tribal Council.
100004990	06/11/2015	Email regarding Signed PDF Tribal Letters (Scanned).
100004991	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Nez Perce Tribal Council.
100005010	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Grand Ronde Tribal Council.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100004990	06/11/2015	Email regarding Signed PDF Tribal Letters (Scanned).
100005011	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Siletz Tribal Council.
100005012	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Warm Springs Tribal Council.
100005013	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Yakima Nation.
100005014	06/10/2015	Letter regarding EPA Portland Harbor Superfund Site Coordination with the Umatilla Tribal Council.
100005069	02/12/2016	Email regarding Agenda for 2/17/16 to mail to participants.
100005080	02/23/2016	Portland Harbor Initial Review of Alternatives Presentation Dick/Dennis/Jim Briefing.
100005081	02/17/2016	Monthly EPA/DEQ Director's Phone Call Agenda.
100005147	02/18/2016	Email regarding Agendas for Meeting with PH Executives and Follow Up meetings with MOU Partners and Community Partners.
100005148	02/19/2016	Portland Harbor Executives Meeting Agenda and Attendees.
100005149	02/19/2016	Portland Harbor Community Partners Meeting Agenda.
100005150	02/19/2016	Portland Harbor Community Partners Meeting Sign in Sheet.
100005151	02/19/2016	Portland Harbor MOU Partners Meeting Agenda.
100005152	02/19/2016	Portland Harbor MOU Partners Meeting Sign In Sheet.
100005189	12/18/2014	Email regarding Portland Harbor - Draft Final FS Section 1 and Appendix A.
100005200	10/14/2014	Portland Harbor RI/FS Appendix A: Sediment Database Description Draft Final Feasibility Study - 2014-12-02 Proposed Final Portland Harbor FS Appendix A.
100005201	02/07/2014	Table 1 - Feasibility Study List of Proposed Figures - 2014-12-02 Proposed Final Portland Harbor FS Section 1 - List of Figures.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100005189	12/18/2014	Email regarding Portland Harbor - Draft Final FS Section 1 and Appendix A.
100005203	10/07/2014	Portland Harbor RI/FS Draft Final Feasibility Study Report Section 1 - 2014-12-02 Proposed Final Portland Harbor FS Section 1.
100005204	03/09/2015	Email regarding KK - 3/11 presentation for CAG meeting, (pls review).
100005207	03/11/2015	Portland Harbor Superfund Site In-Situ Capping Presentation to the Portland Harbor Community Advisory Group - 3-2-15 CAG Portland Harbor Capping.
100005210	01/28/2016	Email regarding Cement-Lock Introduction: Portland Harbor Community Advisory Group.
100005212	01/28/2016	Cement-Lock Presentation - Cement-Lock 2016 Presentation.
100005214	02/15/2012	Letter regarding Technologies for Environmental Justice Communities and Other Vulnerable Populations - NACEPT.
100005299	08/21/2014	Email regarding FS Section 1 Comment.
100005300	08/21/2014	Feasibility Study Section 1 Languages for DEQ Review - Alex_on_sw_in_FS_Section_1_Language_for_ODEQ_Review.
100005325	08/22/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 22-August-14.
100005326	08/22/2014	Draft Revised FS Action Items - 08-22-14 Draft Action Items Lists.
100005327	08/22/2014	Draft FS Revision Process Matrix - 08-22-14 Update of FS Revision Process Matrix.
100005328	08/22/2014	FS Revision Process Matrix - 08-22-14 Update of FS Revision Process Matrix.
100005350	08/29/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 29-August-14.
100005351	08/29/2014	Draft Action Items List - 08-29-14 Draft Action Items Lists.
100005352	08/29/2014	FS Revision Process Matrix - 08-29-14 Update of FS Revision Process Matrix.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100005391	10/29/2014	Email regarding Manganese memo.
100005392	10/29/2014	Memorandum regarding Derivation of Proposed Manganese PRG to Replace the Suter and Tsao (1996) Tier II Value in the Portland Harbor Feasibility Study - Hardness-based Mn Criterion Memo_29 October 2014.
100005393	07/11/2008	Review Portland Food Web Modeling Effort - Burkhard comments June 2008.
100005394	07/16/2008	EPA Comments Appendix E: Round 2 Comprehensive Site Characterization Summary and Data Gaps Report - Shephard AppendixEComments071208.
100005470	11/26/2014	Email regarding Portland Harbor - EPA proposals to Revise FS Process.
100005471	11/26/2014	Portland Harbor Superfund Site Revision Process for Feasibility Study - 2014-11-26 FS Revision Process Final Draft Revision.
100005534	08/21/2014	Email Regarding Revisions to FS Section 1_Revisions to FS Section 1.
100005535		FS Section 1_Language for ODEQ Review (2).
100005540	08/25/2014	Email Regarding Portland Harbor Superfund Site Northwest Pipe Company Modifications to Feasibility Study Report_Northwest Pipe Company Modifications to FS Report.
100005541	08/22/2014	Letter Regarding Portland Harbor Superfund Site, Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240_880817.
100005546	10/17/2014	Email Regarding Questions for Downtown Reach Meeting_Downtown Reach CSM Meeting.
100005548		Downtown Reach CSM Meeting Attachment.
100005569	02/18/2015	Email regarding Benthic Toxicity PRGs for Portland Harbor.
100005570	05/14/2014	Portland Harbor RI/FS Comparison of Draft FS Alternative B To EPA Proposed RALs Tables - AQ_RALonlyComparison_20140513.
100005571	02/17/2015	EPA Interpolation Methodology - EPA Interpolation Methodology.
100005577	10/10/2014	Email Regarding Recap and Next Steps - Lower Duwamish & Portland Harbor WA, OR & EPA Meeting -September 30, 2014.
100005545	09/30/2014	Characteristics of Lower Duwamish Waterway and Portland Harbor Superfund Sites for Discussions September 30, 2014_LDW PH Comparrion093014.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100005582	10/27/2014	Email Regarding Letter to Dick Pedersen from Dennis McLerran.
100005583	10/21/2014	Letter Regarding Portland Harbor Superfund Site_Pedersen Dick FINAL 10-21-14.
100005586	10/30/2014	Email Regarding EPA Comments on Vigor Stormwater Report_EPA Comments on Vigor Stormwater Report.
100005587	10/30/2014	Letter Regarding Technical Review Comments Prepared by the EPA's Contractor, CDM Smith_Vigor DGI SWReport.
100005588	10/31/2014	Email Regarding CD Greenway Site_CD Greenway Site.
100005589		Datum Rock Picture.
100005590		P1010022 Image.
100005591		P1010034 Image.
100005594	11/14/2014	Email Regarding Gunderson Riverbank FS Comments_Gunderson Riverbank FS Comments.
100005596	11/14/2014	Letter Regarding Gunderson Riverbank FS Report.
100005636	03/04/2015	Email regarding agenda for Monday.
100005637	03/09/2015	Agenda Portland Harbor Senior Manager/ Project Manager Meeting - 3-9-2015 Agenda Mgr meeting.
100005653	12/03/2014	Email Regarding EPA Comments Letter on Willamette Cove_EPA Comments Letter on Willamette Cove.
100005654		DEQ - Draft General Comments on the October 2014 Feasibility Study_FS General Comments for Port November 24 Meeting.
100005655	12/03/2014	Email Regarding EPA Comments Letter on Willametter Cove_EPA Comments on Willamette Cove.
100005656	12/03/2014	Letter Regarding Technical Review Comments by the EPA and its Contractor, CDM Smith_WC FSRD Comments.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100005657	12/10/2014	Email Regarding EPA Comments OF22B IRAM Revised SAP_EPA comments of 22B IRAM Revised SAP.
100005658	12/10/2014	Letter Regarding EPA Response to Comments and Revised Sampling and Analysis Plan for the Outfall 22B Interim Remedial Action Measure_RP OF22B Revised SAP.
100005659	12/17/2014	Email Regarding EOSM Riverbank Design Report_EOSM Riverbank Design Report.
100005660	12/17/2014	Letter Regarding EPA's Review Comments Prepared by CDM Smith_EOSM Design Report.
100005662	12/24/2014	Email Regarding Vigor Basis of Design Report_Vigor Basis of Design Report.
100005663	12/24/2014	Letter Regarding Comments on Basis of Design Update Report_Vigor BoD Update Report.
100005667	07/07/2015	Email Proposed Source Control Decision for Swan Island Shipyard Upland Facility-Operable Unit 4_Propsed Source Control Decision for Swan Island OU4.
100005668	01/05/2015	Memorandum Regarding Operable Unit 4 - Swan Island Facility File ECSI #271 Proposed Source Control Decision_Proposed OU-4 Letter (1-5-15).
100005679	03/10/2015	Email regarding For 3/11/15 1:00 pm PDT EPA/DEQ Meeting - Agenda and Handout.
100005681	03/10/2015	Portland Harbor Recontamination Strategy to Date and Going Forward - Recontamination Strategy to date going forward Mar 10 2015 (2).
100005684	03/19/2015	Email regarding NRRB Guidance for LWG.
100005685	12/29/2011	Appendix B - Sample Agenda for the Board Meeting - App B of NRRB Guidance for RPMs dated 12-29-11.
100005686	03/18/2015	Appendix E - Community Guide; The National Remedy Review Board (NRRB) A Community Guide - NRRB Community Guide - App E.
100005687	03/18/2015	PRP Role - NRRB Role of the PRP.
100005701	02/22/2016	Email regarding DEQ Comments on Portland Harbor Draft FS.
100005702	02/22/2016	Letter regarding U.S. Environmental Protection Agency Draft Feasibility Study Principal Threat Waste Areas - 2016_02-22_DEQ PTW Letter.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100005703	02/20/2016	Email regarding Fish Advisories as ICs.
100005710	02/20/2016	Proposed Changes to FS Language on Institutional Controls - Draft IC Language for FS - 021915.
100005711	02/20/2016	Proposed Fish Advisory Program for Portland Harbor - Proposed FS Costs For PH Fish Advisory.
100005714	02/12/2016	Email regarding response to EPA's February 5 request.
100005715	02/12/2016	Explanation of Correction Factor - Explanation of BSAR correction factor.
100005716		Chemical list - ph_bsar.
100005717		Preparing Data - smear.
100005719	02/18/2016	Email regarding response to EPA's February 5 request.
100005720	10/03/2008	BSAR Summarization - BSAR_screen_to_EPA.
100005721	01/05/2015	Email regarding Outlier test for OCB congeners.
100005722	07/30/2013	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit - PCB Cong outliers.
100005725	04/14/2015	Email regarding Portland Harbor Dispute Decision.
100005723	03/31/2015	Email regarding Request for Copy of January 22, 2015 Email.
100005724	03/31/2015	Email regarding Additional Background Contaminants.
100005752	01/20/2015	Email Regarding Kinder Morgan Permit Applications_KinderMorgan Permit Applications.
100005754	07/01/2014	Figures.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100005756	01/29/2015	Email Regarding Terminal 4 Slips 1 and 3 Upland Facility - Decision Support Data Collection Work Plan, DRAFT_ Terminal 4 Slips 1 and 3 Upland Facility.
100005757	01/01/2015	Terminal 4 Source Control Decision Support Data Collection Work Plan_T4 Source Control Decision Support Data Collection Work Plan DRAFT.
100005760	02/02/2015	Email Regarding SCD for OU4 @ Swan Island Upland Facility_SCD for OU4 at Swan Island Upland Facility.
100005761	02/02/2015	Letter Regarding Source Control Decision for the Operable Unit 4 at the Swan Island Upland Facility_FSCD OU4SIUF.
100005762	02/04/2015	Email Regarding PGE RM 13.1/13.5 Remedy Proposal_PGE RM 13 Remedy Proposal.
100005763	02/01/2015	Public Notice Regarding Proposed Cleanup at PGE Willamette River Site_Cleanup Public Notice-Request for Comments.
100005785	02/05/2015	Email Regarding Draft SCD OBRC_Draft SCD OBRC.
100005786	02/02/2015	Memorandum Regarding Draft Source Control Decision Oregon Beverage Recycling Cooperative (former Container Recovery) ECSI #4015_OBRC_SCD_wFigs&Tables_Feb_2015.
100005790	02/12/2015	Email Regarding EPA Comments Letter on Container Management_EPA Comments Letter on Container Management.
100005791	02/11/2015	Letter Regarding EPA Comments on Container Management_Container Management BMP Pilot Study WP.
100005794	03/03/2015	Email Regarding Draft Agenda Outline - 3/13/15 DEQ/EPA Meeting_EPA DEQ Meeting Agenda.
100005795	03/11/2015	DEQ/EPA Monthly Meeting Agenda_2015 3-11 Draft Participants Agenda Rev 3-3-15.
100005796	03/13/2015	Email Regarding Portland Harbor Early Action Work--Follow-Up to TCT Meeting, March 11_Portland Harbor Early Action Work.
100005797	03/13/2015	Letter Regarding Proposal for DEQ-Lead, Early In-Water Cleanup Work at Willamette Cove and River Mile 11 East_MOU Partners 03 13 15.
100005798	03/19/2015	Email Regarding EPA Review Letter_EPA Review Letter.
100005799	03/19/2015	Letter Regarding EPA Review of the Response to Comments on the Removal Action Engineering Design Report and Removal Action Drawings and Specifications for the Willamette Cove Upland Facility_WC RDRTCs Comments.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100005852	01/19/2016	Correspondence regarding Request for Dispute Resolution on EPA January 4, 2016 Decision to Take Over Portland Harbor Feasibility Study (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240)
100005815	01/19/2016	Dispute Resolution Attachment A: List of LWG Major Technical Issues Related to the Portland Harbor Feasibility Study.
100005816	01/19/2016	Dispute Resolution Table of Contents - January 19, 2015 Lower Willamette Group Request for Dispute Resolution Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240.
100005856	11/26/2014	Dispute Resolution Tab 12 Native - Revision Process Final Draft Revision.
100005855	04/23/2015	Email regarding Background Threshold Values for additional contaminants.
100005858	04/23/2015	Tables from Draft Final Remedial Investigation Report - 20150422_AppH_Tables.
100005873	04/23/2015	Figures from Draft Final Remedial Investigation Report - 20150422_AppH_Figures.
100005859	03/26/2015	Email Regarding EPA Letter on HDD SCD_EPA Letter on HDD SCD.
100005860	03/26/2015	Letter Regarding Review of the Proposed Source Control Decision for the Rhone Poulenc Historical Drainage Ditch_PSCD_RP_HDD.
100005862	04/29/2015	Email Regarding EPA Comments on NWPC RI-SCE_EPA Comments on NWPC RI SCE.
100005863	04/29/2015	Letter Regarding EPA Review of the Remedial Investigation and Source Control Evaluation Report_NWPC RI-SEC.
100005864	02/10/2016	Email Regarding Updated Top 10 Issues_Top 10 State Issues.
100005865	02/08/2016	Top 10 State Issues for Proposed Plan_Top 10 State Issues 2-8-16.
100005893	01/20/2015	Email regarding Portland Harbor FS Section 1 - BCS Comments.
100005920	08/29/2014	Final Letter to Kristine Koch 08-29-14.
100005929	07/18/2014	Email regarding Portland Shipbuilding Company.
100005930	12/30/2013	Notes on Portland Shipbuilding Company - Notes on Portland Shipbuilding Company.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006053	01/31/2014	Email regarding Next TCT Meeting - 2/5.
100006054	01/13/2014	Tabwl 1 - Feasibility Study Outline Cross-Walk Portland Harbor Superfund Site - 2014-01-17 FS Outline Cross-walk.
100006055	01/24/2014	Final RS Revision Process Diagram - 2014-01-24 FS Revision Process Diagram.
100006056	04/25/2014	Email regarding Draft Schedule for FS.
100006057	01/15/2014	Portland Harbor Feasibility Study Schedule - 2014-04-22 EPA Portland Harbor FS Schedule.
100006058	04/28/2014	Email regarding Updated Portland Harbor RI and FS schedules.
100006059	04/28/2014	Portland Harbor Feasibility Study Schedule - 2014-04-28 EPA Portland Harbor FS Schedule.
100006060	04/28/2014	Portland Harbor Project Schedule - 2014-04-28 EPA Portland Harbor RI Schedule.
100006061	04/30/2014	Email regarding EPA roles & responsibilities.
100006062	04/30/2014	EPA Roles & Responsibilities - 2014-04-30 EPA Roles and Responsibilities - Releaseable.
100006064	05/02/2014	Email regarding May 8 CDF Sediment and Water Discharge Treatment Topic.
100006065	11/20/2013	EPA request for supplemental technical analysis and other information to support Draft Feasibility review/revisions - Draft FS supplemental information list 11202013.
100006066	08/01/2011	Terminal 4 Confined Disposal Facility Design Analysis Report (Prefinal 60 Percent Design Deliverable) -Text only T4 60 Percent CDF DAR_August 2011.
100006067	05/02/2014	Email regarding Suggestions for Technology Screening Revisions Draft.
100006068	04/30/2014	Draft LWG Suggestions for Revisions to EPA's Technology Screening Approach - Suggestions for Technology Screening Revisions Draft 050214r.
100006069	05/02/2014	Email regarding Final COC table.
100006070	04/11/2014	Portland Harbor COCs - 2014-04-11 Final PH COCs.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100006167	05/02/2014	Email regarding Combined RI and FS Schedules.
100006168	04/03/2014	Portland Harbor Project Timeline to ROD - 2014-04-03 Project Timeline to ROD.
100006169	05/01/2014	Portland Harbor Feasibility Study Schedule - 2014-05-01 EPA Portland Harbor FS Schedule.
100006170	04/30/2014	Portland Harbor Project Schedule - 2014-05-01 EPA Portland Harbor RI Schedule.
100006171	05/05/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 2-May-14.
100006172	05/02/2014	Draft FS Revision Process Matrix - 05-02-14 Update of FS Revision Process Matrix.
100006173	05/02/2014	Draft Action Items - 050214 Action Items Lists.
100006177	06/02/2014	Email regarding Overall Portland Harbor RI/FS Schedule.
100006178	05/12/2014	Portland Harbor Project Timeline - 2014-05-12 Current Schedule for PH.
100006179	05/16/2014	Email regarding LWG request.
100006180	05/06/2014	FWM Template - FWM template_calibrated_23478PCDF_edited_OR.
100006181	05/16/2014	FWM Template - FWM template_calibrated_sumDDT_edited_OR.
100006182	05/16/2015	FWM Template - FWM template_calibrated_total PCBs_edited_OR.
100006183	05/16/2014	FWM Template - FWM template_calibrated_aldrin_edited_OR.
100006184	05/16/2014	FWM Template - FWM template_calibrated_dieldrin_edited_OR.
100006185	05/16/2014	FWM Template - FWM template_calibrated_total chlordane_edited_OR.

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Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006191	05/23/2014	Email regarding Revised FS Discussions Action Item - Constructability Review Technology Assignments.
100006192	05/21/2014	Constructability Review of EPA Preferred Technology Areas - Constructability Review 5-21-14.
100006233	05/23/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 23-May-14.
100006234	05/23/2014	Draft FS Revision Process Matrix - 05-23-14 Update of FS Revision Process Matrix.
100006235	05/23/2014	Draft Action Items List - 052314 Draft Action Items Lists.
100006236	05/28/2014	Email regarding SubSMA Technology Assignments Map with Bathymetry Added.
100006237	05/27/2014	Portland Harbor RI/FS Draft Feasibility Study EPA Preferred Technology Analysis Figures - AQ_EPAScoring_PreferredTech_Mapbook.
100006241	06/01/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 30-May-14.
100006242	05/30/2014	Draft FS Revision Process Matrix - 05-30-14 Update of FS Revision Process Matrix.
100006243	05/30/2014	Draft Action Items List - 053014 Draft Action Items Lists.
100006247	05/29/2014	Email regarding Portland Harbor COCs and PRGs.
100006250	08/05/2013	Email regarding PCB SLVs, ATLS, TRVs - and another possible RSET use for this spreadsheet?.
100006251	08/01/2013	Email regarding PCB SLVs, ATLS, TRVs.
100006253	08/01/2013	Email regarding updated DDX SLVs.
100006254	08/01/2013	Email regarding updated DDX SLVs.
100006255	06/02/2014	Email regarding Example Cross Sections EPA's Technology Assignments.
100006256	06/02/2014	Portland Harbor RI/FS Draft Feasibility Study EPA Preferred Technology Analysis Figures - Example Cross Sections EPA Tech Assign 060214.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006255	06/02/2014	Email regarding Example Cross Sections EPA's Technology Assignments.
100006257	05/30/2014	Portland Harbor RI/FS Draft Feasibility Study EPA Preferred Technology Analysis Figures - Example Plan View EPA Tech Assign 060214.
100006258	06/02/2014	Email regarding Portland Harbor FS - Section 1.
100006259	02/14/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - 2014-06-02 Portland Harbor FS Section 1.
100006328	08/07/2014	Email regarding Principal Threat Waste Response.
100006329	08/07/2014	LWG Response to EPA's Principal Threat Waste Approach - 2014_08_07_Principal Threat Waste Response.
100006330	06/02/2014	Email regarding Action Item 3 - Two Layer Map Draft FS and EPA SMAs.
100006331	05/30/2014	Portland Harbor RI/FS Comparison of Overall Draft FS Alternative B RALs to EPA PProposed RALs Including Benthic - AQ_RALonlyComparison_20140530.
100006332	06/04/2014	Email regarding Comparison of EPA and Draft FS SMA approaches.
100006333	06/03/2014	Portland Harbor RI/FS Table 1: Overall Summary by Sediment Management Area Changes Based on Draft FS and EPA RALs - Comparison of RAL SMA Areas EPA vs DraftFS 060314.
100006334	06/04/2014	Comparison of RAL SMA Areas EPA Draft Notes - Comparison of RAL SMA Areas EPA vs DraftFS 060314.
100006335	06/04/2014	Email regarding Revisions to Portland Harbor FS Section 1.
100006336	02/14/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - 2014-06-02 Portland Harbor FS Section 1_Rev 1.
100006337	02/07/2014	Table 1 - Feasibility Study List of Proposed Figures - 2014-06-03 FS Outline - List of Figures.
100006338	06/06/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 6-June-14.
100006339	06/06/2014	Draft Action Items List - 06-06-14 Draft Action Items Lists.
100006340	06/06/2014	Draft FS Revision Process Matrix - 06-06-14 Update of FS Revision Process Matrix.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006342	06/10/2014	Email regarding Updated FS Schedule.
100006343	06/06/2014	EPA Portland Harbor Feasibility Study Schedule - 2014-06-06 EPA Portland Harbor FS Schedule.
100006349	06/30/2014	Email regarding Comparison of EPA and Draft FS SMA approaches.
100006350	06/17/2014	Table 1. Acreages Added, Removed, or Unchanged by EPA's RAL Maps as Compared to Draft FS RAL Maps by Cause - ComparisonOfAllSMAParameters_EPAsFS_17 Jun14.
100006351	06/30/2014	Email regarding CDF Analysis of Action Items from June 16, 2014 EPA/LWG Call.
100006352	06/26/2014	CDF Analysis Action Items from June 16, 2014 EPA/LWG Call - June 16 2014 CDF Follow Up_2014-06-26.
100006353	06/30/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 27-June-14.
100006354	06/27/2014	Draft Action Items List - 06-27-14 Draft Action Items Lists.
100006355	06/27/2014	Draft FS Revision Process Matrix - 06-27-14 Update of FS Revision Process Matrix.
100006374	07/05/2014	Email regarding Draft FS Revision Process; Updated Matrix Table and Action Items List for 03-July-14.
100006375	07/03/2014	Draft Action Items List - 07-03-14 Draft Action Items Lists.
100006376	07/03/2014	Draft FS Revision Process Matrix - 07-03-14 Update of FS Revision Process Matrix.
100006377	07/17/2014	Email regarding Draft List of LWG Major Section 1 FS Issues.
100006378	07/17/2014	Preliminary Draft List of Major LWG Issues for EPA's Feasibility Study Draft Section 1 - Draft List of LWG Major Section 1 FS Issues 071714.
100006379	07/24/2014	Email regarding Revised List of LWG.
100006380	07/23/2014	Preliminary Draft List of Major LWG Issues for EPA's Feasibility Study Draft Section 1 Text - Draft List of LWG Major Section 1 FS Issues 072314 (2).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006411	01/28/2014	Email regarding Revised Section 5 Surface Water figure format.
100006412	09/27/2013	Portland Harbor RI/FS Remedial Investigation Report Histogram by Channel Position of Total PCB Congener Concentrations in Surface Water Figure 5.3-22 - 2011-08-29_DF RI_Figure 5.3-22.
100006413	09/25/2013	Revised Surface Water Figure Examples - Revised Surface Water Figure examples_20130925.
100006414	04/22/2014	Email regarding Updated Portland Harbor RI Schedule for discussion today.
100006415	04/22/2014	Portland Harbor Project Schedule - 2014-04-22 EPA Portland Harbor RI Schedule.
100006416	05/05/2014	Email regarding RI Schedule.
100006417	05/05/2014	Portland Harbor Superfund Site Feasibility Study - Revision Schedule - PH_Overall Schedule_05-05-2014_REV 1.
100006418	05/07/2014	Email regarding Portland Harbor RI Section 6.
100006419	04/07/2014	Letter regarding Portland Harbor Superfund Site, Administrative Order on Consent for Remedial Investigation and Feasibility Study - 2014_05_07_EPA Comment Letter on 2011 RI Report Section 6.
100006540	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 6 - Koch_2014-05-6_DF RI_Sec6_Text_.
100006542	06/06/2014	Email regarding Portland Harbor RI Section 6.
100006543	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 6 Revisions - Koch_2014-05-6_DF RI_Sec6_Text_Rev 1.
100006544	06/06/2014	Email regarding Portland Harbor RI Section 6.
100006545	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 6 Revisions - Koch_2014-05-6_DF RI_Sec6_Text_Rev 1.
100006547	07/03/2014	Email regarding Updated RI schedule.
100006548	04/30/2014	Portland Harbor Project Schedule - 2014-06-17 EPA Portland Harbor RI Schedule.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006550	07/16/2014	Email regarding Section 5 proposed revisions.
100006551	08/29/2011	Portland Harbor RI/FS Draft Final Investigation Report Section 5.5 - 2014-06-16_DF RI_Sec5.5_Text_EPA_Integral.
100006552	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.0-5.1 - 2014-07-15_DF RI_Sec5.0_5.1_Text_EPA_Integral.
100006553	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.2 - 2014-07-15_DF RI_Sec5.2_Text_EPA_Integral.
100006554	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.3 - 2014-07-15_DF RI_Sec5.3_Text_EPA_Integral.
100006555	07/15/2014	Table 5.1-2 Screening of COIs by in-river media for discussion and presentation in RI - 2014-07-15_Table 5.1-2_Integral.
100006556	07/24/2014	Email regarding Section 5 proposed revisions - Section 5.4 (Surface Water).
100006557	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - 2014-07-22_DF RI_Sec5.4_Text_EPA_Integral.
100006558	08/05/2014	Email regarding Portland Harbor RI/FS - RI Section 5.6 Proposed Revisions.
100006559	08/29/2011	Portland Harbor RI/FS Draft Remedial Investigation Report Section 5 Tables - 2014-07-30_Biota_Sec5_Tables.
100006560	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.6 - 2014-08-04_DF RI_Sec5.6_Text_EPA_Integral.
100006623	04/23/2015	Email regarding Background Threshold Values for additional contaminants.
100006624	04/22/2015	Portland Harbor RI/FS Remedial Investigation Report Background Upriver Bedded Sediment Outlier Analysis AppH Figures - 20150422_AppH_Figures.
100006625	04/22/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report App H Tables - 20150422_AppH_Tables.
100006632	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 10.
100006633	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 3 CELAN EPA_2014-01-12_DF RI_Sec10 2_ea_kk_Integral.
100006634	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 3 EPA_2014-01-12_DF RI_Sec10 2_ea_kk_Integral.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006632	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 10.
100006635	04/27/2015	Portland Harbor RI/FS Draft Remedial Investigation Report Section 10 - Rev 5 CLEAN_EPA_2014-01-12_DF RI_Sec10 1_wLWG.
100006636	04/27/2015	Portland Harbor RI/FS Draft Final Investigation Report Section 10.1 - Rev 5 EPA_2014-01-12_DF RI_Sec10 1_wLWG.
100006637	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 9.
100006638	06/14/2013	Remedial Investigation Section 9 - Rev 1 koch CLEAN_2013-06-14_Section 9 BERA redline.
100006639	06/14/2013	Remedial Investigation Section 9 - Rev 1 koch_2013-06-14_Section 9 BERA redline.
100006640	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 8.
100006641	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 8 - koch CLEAN_2013-04_17 DF RI_Sec8_Text.
100006642	04/17/2013	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 8 - koch_2013-04_17 DF RI_Sec8_Text.
100006643	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 7.
100006644	04/27/2015	Revision - Changes to tables, figures & maps - REV 1 Changes to tables, figures & Maps.
100006645	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 7 - Rev 3 CLEAN_dy_koch_2013-11-4_DF RI_Sec7_Text redline.
100006646	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 7 - Rev 3_dy_koch_2013-11-4_DF RI_Sec7_Text redline.
100006680	06/11/2014	Email regarding Portland Harbor RI Section 5.
100006681	07/17/2013	Portland Harbor RI/FS Remedial Investigation Report Section 5 Tables 5.3-2 to 5.3-7 - 2013-07-17_SedTrap_Sec5_Tables 5.3-2 to 5.3-7.
100006682	06/11/2014	Letter regarding Comments on the Remedial Investigation Report (Section 5) - 2014_06_11_EPA Comment Letter on 2011 RI Report Sections 5.
100006683	08/29/2011	Portland Harbor RI/FS Draft Remedial Investigation Report Section 5.6 - koch_2012-01-13 DF RI_Sec5 6_Text - JK_TG_5 17 14.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006680	06/11/2014	Email regarding Portland Harbor RI Section 5.
100006684	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - koch_2012-01-13_DF RI_Sec5 4_Text - CDM Smith (2).
100006685	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.5 - koch_2012-01-13_DF RI_Sec5 5_Text - jk_tg_5 2014.
100006686	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.0-5.2 - Koch_2012-01-13_DF RI_Sec5.0, 5.1 and 5.2 Text.
100006687	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.3 - koch_2012-01-13_DF RI_Sec5.3_Text.
100006688	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.0-5.3 - Koch_2012-04_23_DF RI_Sec5 0 5 1 and 5 2 Text_ea.
100006689	11/05/2015	Section 5.4 Tables - Section 5.4_tables.
100006690	06/11/2014	Portland Harbor RI Sediment Bin Tables - Sediment bin tables.
100006691	11/25/2013	Portland Harbor RI/FS Remedial Investigation Report Section 5.3 Tables - SedTrap Results Tables 2013-11-25.
100006692	06/11/2014	Seep DB Results - seep_DB_results.
100006693	06/11/2014	Table 5.1-1 Summary of detected COIs or Chemical classes by in-river media - Table 5.1-1.
100006694	06/11/2014	Table 5.1-2 Screening of COIs by in-river media for discussion and presentation in RI - Table 5.1-2.
100006695	06/11/2014	Table 5.1-3 Basis for screening of COIs due to co-location - Table 5.1-3.
100006696	06/11/2014	Table 5.3-1 Average Heights of Sediment collected in Sediment Traps Deployed in Willamette - Table 5.3-1.
100006697	06/11/2014	TZW DB Results - TZW_DB_results.
100006705	08/29/2014	Email regarding LWG RI Section 5 and 10 Issues for Elevation to Senior Managers.
100006706	08/29/2011	Letter regarding LWG Unresolved Comments on RI Sections 5 and 10 - 2014-08-29 Cover Letter LWG Comments on RI Sections 5 & 10.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006705	08/29/2014	Email regarding LWG RI Section 5 and 10 Issues for Elevation to Senior Managers.
100006707	08/29/2014	Letter regarding LWG Unresolved Comments on RI Sections 5 and 10 - 2014-08-29 Cover Letter LWG Comments on RI Sections 5 and 10.
100006708	08/29/2014	Remedial Investigation Section 5 Resolved Issues - 2014-08-29 Resolved LWG Comments on Section 5.
100006709	08/29/2014	Unresolved LWG Comments on the RI Section 5 - 2014-08-29 Unresolved LWG Comments on RI Section 5.
100006736	08/29/2011	Unresolved LWG Comments on RI Section 10 - 2014-08-29 Unresolved LWG Comments on RI Section 10.
100006737	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 - Koch_2012-01-13_DF RI_Sec10_Text_Retained_082814.
100006738	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.5 - Rev 1 2014-06-16_DF RI_Sec5.5_Text_EPA_Integral.
100006739	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5-5.1 - Rev 1 2014-07-15_DF RI_Sec5.0_5.1_Text_EPA_Integral.
100006740	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.2 - Rev 1 2014-07-15_DF RI_Sec5.2_Text_EPA_Integral.
100006741	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.3 - Rev 1 2014-07-15_DF RI_Sec5.3_Text_EPA_Integral.
100006742	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - Rev 1 2014-07-22_DF RI_Sec5.4_Text_EPA_Integral.
100006743	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.6 - Rev 1 2014-08-04_DF RI_Sec5_6_Text_EPA_Integral.
100006722	09/27/2005	Email regarding EPA letter re: MCLs as potential ARARs for PH.
100006723	09/27/2005	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240.
100006724	09/09/2005	Email regarding PH Milestone meeting agenda - revised.
100006725	09/12/2005	Portland Harbor Milestone Meeting Agenda Monday - 12 SEPTEMBER 2005.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006727	06/26/2006	Email regarding Projected RI/FS ROD Schedule - msg, info for senior managers.
100006717	06/26/2006	Portland Harbor Superfund Site – Projected Schedule
100006744	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (3 of 3).
100006745	04/27/2015	Normal Background Statistics for Data Sets with Non-Detects - Hg BTV.
100006746	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - Hg GOF.
100006747	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - Hg outlier.
100006748	04/27/2015	Normal UCL Statistics for Data Sets with Non-Detects - Hg UCL.
100006749	04/27/2015	Background Statistics for Data Sets with Non-Detects - PAH BTV full.
100006750	04/27/2015	Background Statistics for Data Sets with Non-Detects - PAH BTV wo.
100006751	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - PAH GOF full.
100006752	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - PAH GOF wo.
100006753	04/27/2015	UCL Statistics for Data Sets with Non-Detects - PAH UCL full.
100006754	04/27/2015	UCL Statistics for Data Sets with Non-Detects - PAH UCL wo.
100006755	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - PAHs Outlier.
100006756	04/27/2015	Background Statistics for Data Sets with Non-Detects - PCB Cong BTV full.
100006757	04/27/2015	Background Statistics for Data Sets with Non-Detects - PCB Cong BTV wo.
100006758	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - PCB Cong outliers.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006744	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (3 of 3).
100006759	04/27/2015	UCL Statistics for Data Sets with Non-Detects - PCB cong UCL full.
100006760	04/27/2015	UCL Statistics for Data Sets with Non-Detects - PCB cong UCL wo.
100006764	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - PCB Congeners GOF full.
100006765	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - PCB Congeners GOF wo.
100006766	04/27/2015	Background Statistics for Uncensored Full Data Sets - PCDD Full BTV.
100006767	04/27/2015	UCL Statistics for Uncensored Full Data Sets - PCDD full UCLs.
100006768	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - PCDD Full.
100006769	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - PCDD GOF 1 outlier.
100006770	04/27/2015	Outlier Tests for Selected Uncensored Variables - PCDD outlier.
100006771	04/27/2015	Background Statistics for Uncensored Full Data Sets - PCDD wo BTV.
100006772	04/27/2015	UCL Statistics for Uncensored Full Data Sets - PCDD wo UCLs.
100006773	04/27/2015	Background Statistics for Data Sets with Non-Detects - Zinc BTV wo.
100006774	04/27/2015	Normal Background Statistics for Uncensored Full Data Sets - Zinc BTV.
100006775	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - Zinc GOF.
100006776	04/27/2015	Outlier Tests for Selected Variables excluding nondetects - Zinc outlier.
100006777	04/27/2015	UCL Statistics for Data Sets with Non-Detects - Zinc UCL all.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006744	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (3 of 3).
100006778	04/27/2015	UCL Statistics for Data Sets with Non-Detects - Zinc UCL wo.
100006779	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 6.
100006780	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 6 - Rev 1 CLEAN Koch_2014-05-6_DF RI_Sec6_Text.
100006781	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 6 - Rev 1 Koch_2014-05-6_DF RI_Sec6_Text.
100006784	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 3.
100006785	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 3 - Rev 4_koch CLEAN_2012-01-13_DF RI_Sec3_Text.
100006786	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 3 - Rev 4_koch_2012-01-13_DF RI_Sec3_Text.
100006787	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Executive Summary.
100006788	02/12/2015	Portland Harbor RI/FS Revised Draft Final Remedial Investigation Report Executive Summary - 2015_4_16_RI_Executive Summary.
100006789	04/27/2015	Email regarding Portland Harbor - EPA Direction on Remedial Investigation Report.
100006790	04/27/2015	Letter regarding Directed Modifications and Additional Comments on Remedial Investigation Report - 2015-04-27 Portland Harbor RI Comment Letter.
100006791	05/14/2013	Email regarding Portland Harbor RI Section 8.
100006792	08/29/2011	Email regarding Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 8 - koch_2013-05_14 DF RI_Sec8_Text_KJ comments jjm.
100006793	04/29/2015	Email regarding Portland Harbor - EPA Direction on Remedial Investigation Report.
100006794	05/09/2013	Email regarding Portland Harbor RI Section 8.

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Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006795	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 2.
100006796	03/01/2012	Remedial Investigation Report 2.1 Figures - Figure 2.1-2a-g 2000 STA Survey Sediment Sample Locations.
100006797	11/05/2015	Section 2 Study Area Investigation - kkoch_Section 2 STUDY AREA INVESTIGATION.
100006798	12/18/2014	List of Data Reports for Rounds 1, 2, and 3 Data - List of Portland Harbor RI Data Reports_12-18-14.
100006799	03/14/2012	Draft Sediment Profile Image Survey of the Lower Willamette River - Map 2.1-2a-d SPI Transect Locations.
100006800	03/14/2012	Draft Sediment Profile Image Survey of the Lower Willamette River - Map 2.1-3a-d SPI Station Locations.
100006801	07/11/2012	Willamette River Acoustic Doppler Current Profiler Figure 1:ADCP Transect Locations - Map 2.1-4 2003 ADCP Transect Locations.
100006802	01/31/2004	Figure 1: Transect Location and Discharge Values - Map 2.1-4 2004 ADCP Transect Locations.
100006803	11/29/2012	Draft Figure 3-1 Portland Harbor RI/FS Round 3 Groundwater Pathway Assessment Stratigraphic Coring FSR - Gunderson Core Location Map - Map 2.1-22.
100006809	11/06/2006	Email regarding Reply to Agenda Development for Milestone Meeting - Senior Manager input.
100006810	11/03/2006	Agenda Development Notes.
100006811	05/19/2006	Email regarding Draft meeting agenda for May 23rd Project Management Meeting.
100006729	05/18/2006	Email regarding Progress Report on ERA Weight of Evidence Framework Development.
100006821	05/18/2006	Proposed General Timeframe for Scoping Potential Round 3 Data Needs Portland Harbor RI/FS.
100006822	05/18/2006	Progress Report on Modeling Approach.
100006813	10/13/2006	Email regarding Lamprey Toxicity FSP.
100006814	10/11/2006	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240. Round 3 Lamprey Ammonoete Toxicity Testing Field Sampling Plan.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006823	11/02/2006	Email regarding EPA approval of Upstream/Downstream FSP.
100006824	11/02/2006	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240. Preliminary Upstream & Downstream Sediment Data Evaluation and Round 3A Field Sampling.
100006825	01/16/2007	Email regarding EPA direction to LWG on lamprey composites.
100006826	01/16/2007	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240. Round 3 Sampling for Lamprey (Lampetra sp) Ammocoete Tissue.
100006828	10/13/2006	Email regarding Lamprey Toxicity FSP.
100006829	10/11/2006	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240. Round 3 Lamprey Ammocoete Toxicity Testing Field Sampling Plan.
100006840	03/10/2006	Email regarding Food Web Model Comments.
100006841	03/10/2006	EPA Comments on Food Web Modeling Report: Evaluating TrophicTrace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site (November 2005 Draft).
100006842	03/10/2006	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240 Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models.
100006869	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 1.
100006870	02/24/2012	Portland Harbor RI/FS Figure 1-1 Vicinity Map - Figure 1-1.
100006871	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 1 - koch CLEAN_2012-01-13_DF RI_Sec1_Introduction_Text.
100006872	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 1 - koch_2012-01-13_DF RI_Sec1_Introduction_Text.
100006873	04/07/2011	Draft Portland Harbor RI/FS Remedial Investigation Report Portland Harbor Study Area and Vicinity Map 1.2-1- Map 1-1.
100006874	04/16/2015	Portland Harbor RI/FS Ownership and Zoning 1-2 Maps - Maps 1-2.
100006875	11/05/2015	Portland Harbor RI/FS Ownership and Zoning 1-2 Maps - Maps 1-3a-n.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100006876	04/30/2015	Email regarding Portland Harbor - EPA Direction on Remedial Investigation Report.
100006877	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 8 - REV 1 koch_2013-05_14 DF RI_Sec8_Text_KJ comments jjm.
100006878	05/08/2015	Email regarding Questions/Clarifications on EPA Direction.
100006879	04/19/2006	Wash Load/Bed Material Load Concept in Regional Sediment Management - Session 7A-3_Biedenbarn.
100006883	05/15/2015	Email regarding Portland Harbor RI Executive Summary.
100006884	02/12/2015	Portland Harbor RI/FS Revised Draft Final Remedial Investigation Report Executive Summary - 2015_5_15_RI_Executive Summary.
100006888	06/02/2015	Email regarding Proposed Exec Summary revisions for discussion.
100006889	06/12/2015	Portland Harbor RI/FS Revised Draft Final Remedial Investigation Report Executive Summary - kk_2015_5_15_RI_Executive Summary_DRAFT_6-2-15.
100006896	08/10/2015	Email regarding Comments on Portland Harbor draft Final RI.
100006897	08/10/2015	Memorandum regarding Portland Harbor; Review of draft Final RI.
100006971	12/02/2005	Email regarding EPA R3 Data Gaps Cover letter, Memo, Figures and Tables.
100006972	12/02/2005	Identification of Round 3 Data Gaps.
100006973	12/02/2005	Table 1 Conceptual Site Model Data Needs.
100006974	12/02/2005	Table 2 Potential Upstream Sources of Contamination (River Mile 11 – 14).
100006975	12/02/2005	Table 3 AOPCID Criteria.
100006976	12/02/2005	Table 4 AOPC Summary.
100006977	12/02/2005	Table 5 Areas of Concern Data Gaps.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100006971	12/02/2005	Email regarding EPA R3 Data Gaps Cover letter, Memo, Figures and Tables.
100006978	12/02/2005	Table 6 Assessment Endpoint Changes.
100006979	12/02/2005	Table 6 ERA Data Needs.
100006980	12/02/2005	Table 9 Summary of Round 3 In-Water Data Gaps.
100006981	12/02/2005	Table 8 Outstanding Deliverables.
100006982	12/02/2005	Figure 7 Relationship of Contaminant Fate and Transport Model and Food Web Models.
100006983	12/02/2005	Figure 4 ERACSM.
100006984	12/02/2005	Figure 5 HHRACSM.
100006985	12/02/2005	Figure 6 Date and Transport.
100006986	12/02/2005	Letter regarding Portland Harbor RI/FS Identification of Round 3 Data Gaps.
100007021	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 5.
100007022	05/31/2013	LWG RA Total PCB Congener TEQ 2005 - RI COCs - Figure 5.1-7.
100007023	06/26/2013	Figures 5.1-1 through 5.1-5 - Figures 5.1-1 through 5.1-5.
100007024	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.5 - Rev 1 2014-06-16_DF RI_Sec5.5_Text_EPA_Integral.
100007025	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5 - Rev 1 2014-07-15_DF RI_Sec5.0_5.1_Text_EPA_Integral.
100007026	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.2 - Rev 1 2014-07-15_DF RI_Sec5.2 Text_EPA_Integral.
100007027	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.3 - Rev 1 2014-07-15_DF RI_Sec5.3_Text_EPA_Integral.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007021	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Section 5.
100007028	07/15/2014	Table 5.1-2 Screening of COIs by in-river media for discussion and presentation in RI - Rev 1 2014-07-15_Table 5 1-2_Integral.
100007029	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - Rev 1 2014-07-22_DF RI_Sec5.4_Text_EPA_Integral.
100007030	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.6 - Rev 1 2014-08-04_DF RI_Sec5 6_Text_EPA_Integral.
100007031	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.5 - Rev 1 CLEAN 2014-06-16_DF RI_Sec5.5_Text_EPA_Integral.
100007032	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5 - Rev 1 CLEAN 2014-07-15_DF RI_Sec5.0_5.1_Text_EPA_Int.
100007033	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5 - Rev 1 CLEAN 2014-07-15_DF RI_Sec5.0_5.1_Text_EPA_Integral.
100007034	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.2 - Rev 1 CLEAN 2014-07-15_DF RI_Sec5.2 Text_EPA_Integral.
100007035	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.3 - Rev 1 CLEAN 2014-07-15_DF RI_Sec5.3_Text_EPA_Integral.
100007036	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - Rev 1 CLEAN 2014-07-22_DF RI_Sec5.4_Text_EPA_Integral.
100007037	04/27/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.6 - Rev 1 CLEAN 2014-08-04_DF RI_Sec5 6_Text_EPA_Integral.
100007038	04/27/2015	Remedial Investigation Section 5 Matrix of Tables, Figures and Maps - Rev 4 PH RI Section 5 Matrix of Tables, Figures, and Maps.
100007039	04/27/2015	Remedial Investigation Section 5 Matrix of Tables, Figures, Maps - Rev 4 PH RI Section 5 Matrix of Tables, Figures, Maps.
100007040	04/27/2015	Remedial Investigation Section 5.4 Tables - Section 5.4_tables.
100007041	04/27/2015	Table 5.1-3 Basis for screening of COIs due to co-location - Table 5.1-3.
100007042	04/27/2015	Table 5.3-1 Average Heights of Sediment collected in Sediment Traps Deployed in Willamette - Table 5.3-1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007043	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (1 of 3).
100007044	04/27/2015	Nonparametric Background Statistics for Data Sets with Non-Detects - Aroclor BTV full.
100007045	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - Aroclor GOF full.
100007046	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - Aroclor outliers.
100007060	11/05/2015	Q-Q Plot for Aroclor - Aroclor Q-Q.
100007061	04/27/2015	Nonparametric UCL Statistics for Data Sets with Non-Detects - Aroclor UCL full.
100007062	04/27/2015	Nonparametric Background Statistics for Data Sets with Non-Detects - Aroclor-4 BTV.
100007063	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - Aroclor-4 outliers.
100007064	04/27/2015	Nonparametric UCL Statistics for Data Sets with Non-Detects - Aroclor-4 UCL.
100007065	04/27/2015	Nonparametric Background Statistics for Data Sets with Non-Detects - Aroclor-6 BTV.
100007066	04/27/2015	Nonparametric UCL Statistics for Data Sets with Non-Detects - Aroclor-6 UCL.
100007067	04/27/2015	Background Statistics for Data Sets with Non-Detects - Aroclor-23 5 outliers BTV.
100007068	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - Aroclor-23 5 outliers GOF.
100007069	04/27/2015	UCL Statistics for Data Sets with Non-Detects - Aroclor-23 5 outliers UCL.
100007070	04/27/2015	Background Statistics for Data Sets with Non-Detects - Aroclor-23 BTV 4 outliers.
100007071	04/27/2015	Nonparametric Background Statistics for Data Sets with Non-Detects - Aroclor-23 BTV 6 outliers.
100007072	04/27/2015	Background Statistics for Data Sets with Non-Detects - Aroclor-23 BTV 8 outliers.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007043	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (1 of 3).
100007073	04/27/2015	Background Statistics for Data Sets with Non-Detects - Aroclor-23 BTV full.
100007074	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - Aroclor-23 Outlier.
100007075	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - Aroclor-23 outliers 9-16-14.
100007076	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - Aroclor-23 outliers.
100007077	04/27/2015	Q-Q Plot for Aroclor - Aroclor-23 Q-Q.
100007078	04/27/2015	UCL Statistics for Data Sets with Non-Detects - Aroclor-23 UCL 4 outliers.
100007079	04/27/2015	Nonparametric UCL Statistics for Data Sets with Non-Detects - Aroclor-23 UCL 6 outliers.
100007080	04/27/2015	UCL Statistics for Data Sets with Non-Detects - Aroclor-23 UCL 8 outliers.
100007081	04/29/2015	Email regarding Portland Harbor - EPA Direction on Remedial Investigation Report.
100007053	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D2.3 - 2016-01-08 Portland Harbor RI Appendix D2.3.
100007054	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D3.3 - 2016-01-08 Portland Harbor RI Appendix D3.3.
100007055	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D4.4 - 2016-01-08 Portland Harbor RI Appendix D4.4.
100007056	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D5.3 - 2016-01-08 Portland Harbor RI Appendix D5.3.
100007057	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Appendix E Attachment - 2016-01-08 Portland Harbor RI Appendix E Attachment 1.
100007058	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Appendix E - 2016-01-08 Portland Harbor RI Appendix E.
100007059	01/08/2016	Attachment 1 List of Changes for Conditional Approval of the Portland Harbor RI Report - 2016-01-08 Portland Harbor RI Conditional Approval Attach 1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007081	04/29/2015	Email regarding Portland Harbor - EPA Direction on Remedial Investigation Report.
100007082	01/08/2016	Attachment 1 List of Changes for Conditional Approval of the Portland Harbor RI Report - 2016-01-08 PH RI Conditional Approval Attach 1.
100007083	01/08/2016	Attachment 1List of Changes for Conditional Approval of the Portland Harbor RI Report - 2016-01-08 PH RI Conditional Approval Attach 1_EPA.
100007084	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D1.5 - 2016-01-08 Portland Harbor RI Appendix D1.5.
100007090	01/08/2016	Letter regarding Conditional Approval of the Draft Final Remedial Investigation Report dated June 12, 2015 - 2016-01-08 Portland Harbor RI Conditional Approval Letter.
100007091	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Executive Summary - 2016-01-08 Portland Harbor RI Executive Summary.
100007092	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 1 - 2016-01-08 Portland Harbor RI Section 1 Text.
100007093	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 2 - 2016-01-08 Portland Harbor RI Section 2 Text.
100007094	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 3 - 2016-01-08 Portland Harbor RI Section 3 Text.
100007095	02/08/2011	Portland Harbor RI/FS Final Remedial Investigation Report Section 4 - 2016-01-08 Portland Harbor RI Section 4 Text.
100007096	02/08/2011	Portland Harbor RI/FS Final Remedial Investigation Report Section 5 - 2016-01-08 Portland Harbor RI Section 5 Text.
100007097	02/08/2011	Portland Harbor RI/FS Final Remedial Investigation Report Section 6 - 2016-01-08 Portland Harbor RI Section 6 Text.
100007098	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Table 7.3-1. Summary of Background Results, DryWeight and OC-Equivalent Concentrations - 2016-01-08 Portland Harbor RI Section 7 Table 7.3-1.
100007099	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 7 - 2016-01-08 Portland Harbor RI Section 7 Text.
100007101	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 8 - 2016-01-08 Portland Harbor RI Section 8 Text.
100007102	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Table 9.11-1. Contaminants of Ecological Significance - 2016-01-08 Portland Harbor RI Section 9 Table 9.11-1.
100007103	02/08/2015	Portland Harbor RI/FS Final Remedial Investigation Report Section 9 - 2016-01-08 Portland Harbor RI Section 9 Text.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007081	04/29/2015	Email regarding Portland Harbor - EPA Direction on Remedial Investigation Report.
100007104	02/08/2011	Portland Harbor RI/FS Final Remedial Investigation Report Section 10 - 2016-01-08 Portland Harbor RI Section 10 Text.
100007100	04/23/2010	Email regarding EPA response to LWG CDF performance standard letter & table.
100007205	04/23/2010	EPA Comments on LWG Table - EPA February 18, 2010 CDF Performance Standards Comments and LWG April 14, 2010 Responses.
100007206	04/23/2010	Letter regarding Administrative Order on Consent for Remedial Investigation and Feasibility Study.
100007105	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (2 of 3).
100007089	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - As GOF full.
100007106	04/27/2015	Background Statistics for Data Sets with Non-Detects - As BTV full.
100007107	04/27/2015	Background Statistics for Data Sets with Non-Detects - As BTV wo.
100007110	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - As GOF wo.
100007111	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - As outliers.
100007124	04/27/2015	UCL Statistics for Data Sets with Non-Detects - As UCL full.
100007125	04/27/2015	UCL Statistics for Data Sets with Non-Detects - As UCL wo.
100007126	04/27/2015	Background Statistics for Data Sets with Non-Detects - BEHP BTV full.
100007127	04/27/2015	Background Statistics for Data Sets with Non-Detects - BEHP BTV wo.
100007128	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - BEHP GOF full.
100007129	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - BEHP GOF wo.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007105	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (2 of 3).
100007130	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - BEHP outlier.
100007131	04/27/2015	UCL Statistics for Data Sets with Non-Detects - BEHP UCL full.
100007132	04/27/2015	UCL Statistics for Data Sets with Non-Detects - BEHP UCL wo.
100007133	04/27/2015	Background Statistics for Data Sets with Non-Detects - Chlordane BTV full.
100007134	04/27/2015	Background Statistics for Data Sets with Non-Detects - Chlordane BTV wo.
100007135	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - Chlordane GOF full.
100007136	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - Chlordane GOF wo.
100007137	04/27/2015	Outlier Tests for Selected Variables excluding nondetects - Chlordane outlier.
100007138	04/27/2015	UCL Statistics for Data Sets with Non-Detects - Chlordane UCL full.
100007139	04/27/2015	UCL Statistics for Data Sets with Non-Detects - Chlordane UCL wo.
100007140	04/27/2015	Background Statistics for Uncensored Full Data Sets - Copper BTV.
100007141	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - Copper GOF.
100007142	04/27/2015	Normal UCL Statistics for Uncensored Full Data Sets - Copper UCL.
100007143	04/27/2015	Background Statistics for Data Sets with Non-Detects - Cr BTV.
100007144	04/27/2015	Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects - Cr GOF.
100007145	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - Cr outliers.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007105	04/27/2015	Email regarding Portland Harbor - RI Direction Documents - Appendix H Files (2 of 3).
100007146	04/27/2015	UCL Statistics for Uncensored Full Data Sets - Cr UCL.
100007147	04/27/2011	Background Statistics for Data Sets with Non-Detects - DDx BTV full.
100007148	04/27/2015	Background Statistics for Data Sets with Non-Detects - DDx BTV wo.
100007149	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - DDx GOF full.
100007150	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - DDx GOF wo.
100007151	04/27/2015	UCL Statistics for Data Sets with Non-Detects - DDx UCL full.
100007152	04/27/2015	UCL Statistics for Data Sets with Non-Detects - DDx UCL wo.
100007153	04/27/2015	Gamma Background Statistics for Data Sets with Non-Detects - DDx-23 BTV full.
100007154	04/27/2015	Normal Background Statistics for Data Sets with Non-Detects - DDx-23 BTV wo.
100007155	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - DDx-23 GOF full.
100007156	04/27/2015	Goodness-of-Fit Test Statistics for Data Sets with Non-Detects - DDx-23 GOF wo.
100007157	04/27/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limits - DDx-23 Outlier.
100007158	04/27/2015	Gamma UCL Statistics for Data Sets with Non-Detects - DDx-23 UCL full.
100007159	04/27/2015	Q-Q Plot for DDx - DDx-23.
100007177	01/23/2013	Email regarding EPA Preliminary FS revisionTask List.
100007178	01/23/2013	Draft Portland Harbor FS Revision Tasks - EPA Preliminary FS TASK LIST.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007179	01/24/2008	Email regarding LWG Proposal Mobility Testing.
100007180	03/30/2016	Mobility Test Tables.
100007181	12/17/2007	Memorandum regarding Preliminary Proposal for Feasibility Study (FS) Mobility Testing.
100007182	01/24/2013	Email regarding Corps EFDC - Earl model data and comparison.
100007183	01/24/2013	Earl Data Tables.
100007184	11/19/2012	Feasibility Study Model 2.
100007185	01/28/2011	Email regarding EPA comments on Dec 14 2010 presentations.
100007186	01/29/2011	EPA Comments on Feasibility Study Check in.
100007187	01/28/2011	Letter regarding Portland Harbor Feasibility Study.
100007190	02/11/2010	Email regarding EPA response to LWG February 5 2010 letter.
100007191	02/11/2010	Letter regarding PCB Modeling Approach – Contaminant Fate and Transport Model.
100007192	02/14/2013	Email regarding FS discussion.
100007193	02/14/2013	Feasibility Study Comment Themes and Process Draft.
100007194	02/15/2008	Email regarding EPA comments on Treatability Study Report.
100007195	02/15/2008	Letter regarding Draft Treatability Study Literature Survey Technical Memorandum.
100007196	02/15/2008	EPA Comments on Draft Treatability Study Literature Survey Technical Memorandum.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007197	02/18/2010	Email regarding EPA performance standards for CDF evaluations in FS.
100007198	02/18/2010	Letter regarding EPA Performance Standards for Confined Disposal Facilities for the Portland Harbor Feasibility Study.
100007199	03/09/2011	Email regarding EPA feedback on MNR modeling presentation.
100007200	03/09/2011	Letter regarding Administrative Order on Consent for Remedial Investigation and Feasibility Study.
100007201	03/09/2011	EPA Feedback on LWG's 2/23/2011 MNR Presentation.
100007202	04/21/2010	Email regarding EPA Direction on PRGs.
100007203	03/24/2010	Draft EPA Focused PRGs Lists Through March 17.
100007204	04/21/2010	Letter regarding Administrative Order on Consent for Remedial Investigation and Feasibility Study.
100007222	04/27/2011	Email regarding EPA comments on FS Tools Memoranda.
100007223	04/27/2011	Draft Feasibility Study Identification of "COCs" and Contaminant Mobility Evaluation Criteria Memorandum.
100007224	04/27/2011	Draft Feasibility Study Costing Approach Memorandum.
100007225	04/27/2011	Draft Feasibility Study Dredging Water Quality Evaluation Memorandum.
100007226	04/27/2011	Draft Mitigation Determination Approach for Use in the Feasibility Study.
100007227	04/27/2011	Draft Feasibility Study Treatment Technology Evaluation Tools Memorandum.
100007228	04/27/2011	Letter regarding Administrative Order on Consent for Remedial Investigation and Feasibility Study.
100007229	05/13/2011	Email regarding June 22nd FS Key Elements Check-in.
100007230	05/13/2011	Background Information for June 22, 2011 FS Check-in.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007229	05/13/2011	Email regarding June 22nd FS Key Elements Check-in.
100007231	05/13/2011	June 22 Portland Harbor FS Key Elements Check-in Meeting.
100007232	05/18/2010	Email regarding EPA comments on QEAFate modeling presentation.
100007233	05/18/2010	EPA Comments on May 4, 2010 Qeafate Model Presentation.
100007234	05/18/2011	Email regarding EPA feedback on April 12 mtg presentations and tables.
100007235	05/18/2011	EPA Comments on LWG 4/21/2009 presentation of "Remedial Technologies" for the Feasibility Study.
100007236	05/18/2011	Table 2. Summary Screening of Remedial Technologies and Process Options by AOPC for the Portland Harbor Superfund Site.
100007237	05/18/2011	Table 3 - Summary of Screening of Alternatives Summary.
100007238	06/20/2011	Email regarding Proposed resolutions - LWG responses to EPA comments on FS Tools.
100007239	05/13/2011	Background Information for June 22, 2011 FS Check-in.
100007240	05/13/2011	June 22 Portland Harbor FS Key Elements Check-in Meeting.
100007241	07/15/2011	Email regarding EPA comments on FS Key Elements check-in.
100007242	07/15/2011	EPA Comments on Portland Harbor FS Key Elements Check-in (June 21 & 22, 2011).
100007243	07/15/2011	Letter regarding Portland Harbor Feasibility Study (FS).
100007247	08/24/2010	Email regarding FS Evaluation of Mitigation Costs.
100007248	08/24/2010	Letter regarding Feasibility Study Evaluation of Mitigation Costs.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007249	08/25/2011	Email regarding Response to LWG August 23 Letter.
100007250	08/25/2011	Letter regarding Portland Harbor Feasibility Study.
100007251	12/21/2010	Email regarding EPA direction on draft FS for Portland Harbor.
100007288	12/21/2010	Letter regarding Portland Harbor Feasibility Study.
100007289	08/25/2011	Email regarding Response to LWG August 23 Letter.
100007290	08/25/2011	Letter regarding Portland Harbor Feasibility Study.
100007291	09/30/2008	Email regarding Draft Disposal Site Working List.
100007292	06/27/2008	Draft Disposal Facility Site "Working List" For the Feasibility Study.
100007293	10/01/2008	Email regarding Draft Disposal Site Working List.
100007294	06/27/2008	Draft Disposal Facility Site "Working List" For Feasibility Study.
100007295	10/01/2012	Email regarding CDF CAG Presentation -More Questions from CAG member Jackie Calder.
100007296	10/01/2011	CAG Additional CDF Questions.
100007297	12/18/2012	Email regarding EPA comments on LWG Draft FS Report.
100007298	12/18/2012	FS Review Team Comments on Portland Harbor Draft Feasibility Study (March 2012).
100007299	12/18/2012	Letter regarding EPA Comments on the Portland Harbor RI/FS Draft Feasibility Study.
100007395	01/15/2008	Email regarding EPA Comments on Round 2 Comprehensive R2 Report.
100007396	01/15/2008	EPA Comments on Comprehensive Round 2 Site Summary and Data Gaps Analysis Report Sections 1 – 9 and Appendices A, B, C, D, F, and G.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007395	01/15/2008	Email regarding EPA Comments on Round 2 Comprehensive R2 Report.
100007397	01/15/2008	Letter regarding Comprehensive Round 2 Site Characterization and Data Gaps Analysis Report.
100007398	01/31/2008	Email regarding LWG request for extension of deadline to initiate dispute resolution on SLERA comments.
100007399	01/31/2008	Letter regarding EPA Comments on Round 2 Comprehensive Report Screening Level Ecological Risk Assessment.
100007400	08/27/2008	Email regarding EPA R2 Report Comment Clarifications.
100007401	08/27/2008	EPA Clarifications to January 15, 2008 Comments on Comprehensive Round 2 Site Summary and Data Gaps Analysis Report.
100007402	11/15/2010	Email regarding Round 3 sample disposal.
100007403	11/15/2010	Letter regarding Administrative Order on Consent for Remedial Investigation and Feasibility Study.
100007428	01/11/2006	Email regarding Draft tech support request memo.
100007429	01/10/2006	Memorandum regarding Technical support for Portland Harbor.
100007430	01/18/2006	Email regarding Ambient Sediment Quality Evaluation.
100007431	01/18/2006	Draft Table 1 Existing Ambient Sediment Quality Data Ross Island Sand & Gravel Co.
100007432	01/17/2003	Sample 1 -Ambient Sediment Quality Evaluation Existing Sampling Locations.
100007433	01/24/2006	Email regarding Food Web Model Comments.
100007434	01/24/2006	Letter regarding Food Web Modeling Report: Evaluating TrophicTrace and the Arnot and Gobas Models for Application.
100007435	03/12/2008	Email regarding Agenda for March 13th stormwater mtg 10-noon.
100007436	03/12/2008	DEQ-EPA Meeting Agenda on March 13.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007435	03/12/2008	Email regarding Agenda for March 13th stormwater mtg 10-noon.
100007437	03/12/2008	DEQ/City Outfall Basin Evaluation Process.
100007438	01/14/2008	DEQ's Comprehensive Strategy for Stormwater Source Control in Portland Harbor Draft Outline.
100007439	03/12/2008	Pipeshed Source Control Decision Criteria For Portland Harbor Discussion Draft March.
100007440	03/05/2008	Draft Stormwater Pathway Evaluation Process.
100007441	03/20/2008	Email regarding Draft notes from 3/13 stormwater meeting.
100007442	03/20/2008	Draft Meeting Summary.
100007443	03/21/2007	Email regarding Arkema Reponse to DEQ/EPA Comments on the Draft Scoping Tech Memo for Groundwater Source Control.
100007444	03/15/2007	Letter regarding Former Arkema Portland Plant Responses to ODEQ/USEPA Comments on the Preliminary Draft Scoping Technical Memorandum.
100007447	04/07/2006	Email regarding Agenda for April 11, 2006 Meeting and ERA Framework Issue Summary.
100007449	04/07/2006	Summary of Ecological Risk Assessment Decision Framework Issues.
100007452	04/12/2006	Email regarding Draft summary of ERA framework meeting.
100007453	04/11/2006	Ecological Risk Assessment Framework Meeting Summary.
100007456	04/18/2006	Email regarding Agenda for Thursday's Stormwater meeting.
100007457	04/20/2006	Portland Harbor Stormwater Strategy Meeting Agenda.
100007458	05/01/2006	Email regarding Carl's questions.
100007461	05/01/2006	Portland Harbor General Questions

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007462	05/03/2006	Email regarding First cut at PH data by segment.
100007463	05/03/2006	Sum of Aroclor Concentration Flagged as Detected.
100007464	05/12/2009	Email regarding ARKEMA Dioxins / Furans.
100007465	05/12/2009	River Mile 7W Table.
100007466	05/20/2008	Email regarding DEQ SSC Calculation Methods Part 1.
100007467	04/11/2006	SSD ERED-SETAC Database.
100007468	05/29/2007	Email regarding Arkema Portland Groundwater Source Control Evaluation.
100007469	05/29/2007	Letter regarding Former Arkema Portland Plant Draft Groundwater Source Control Evaluation.
100007470	06/08/2006	Email regarding Administrative Framework for Stormwater in the ROD.
100007471	06/08/2006	Draft Operating Assumptions related to Stormwater and the Rod.
100007472	06/08/2006	Pathway to Controlling Stormwater in Portland Harbor.
100007473	06/09/2008	Email regarding Food Web Model Comments.
100007474	06/09/2008	Appendix E: Food Web Model and Biota-Sediment Accumulation Factor (BSAF) Development.
100007475	06/17/2008	Email regarding Food Web Model Comments.
100007476	06/13/2008	EPA Comments Appendix E: Round 2 Comprehensive Site Characterization Summary and Data Gaps Report.
100007477	06/17/2008	Draft Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report Appendix H: Food Web Model - Attachment 3, Parameterization.
100007478	01/29/2007	Email regarding PH FW model comments.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007479	06/19/2008	Email regarding Food Web / BSAF Spreadsheet.
100007480	06/19/2008	Draft Comparison of Round 2 Report Appendix E Food web Model Results.
100007499	06/21/2006	Email regarding Benthic Approach Comments Benthic Approach Comments.
100007510	06/21/2006	Letter regarding Portland Harbor Superfund Site Ecological Risk Assessment: Interpretive Report: Estimating Risks to Benthic Organisms Using Predictive Models Based on Sediment Toxicity Tests.
100007513	06/29/2006	Email regarding Final Benthic Interpretive Comments.
100007514	06/29/2006	Letter regarding Portland Harbor Superfund Site Ecological Risk Assessment: Interpretive Report: Estimating Risks to Benthic Organisms Using Predictive Models Based on Sediment Toxicity Tests.
100007515	07/26/2007	Email regarding Apparent Contamination in Willamette Cove.
100007516	10/02/2006	Willamette Cover Suspect Contamination Map.
100007517	07/25/2007	Suspect Contamination Photo.
100007518	07/25/2007	Suspect Contamination Photo.
100007521	08/07/2009	Email regarding DEQ comments on EPA's 8/4/09 Portland Harbor RAOs.
100007522	08/07/2009	Letter regarding EPA's 8/4/09 Draft Final Remedial Action Objectives.
100007523	08/29/2006	Email regarding Agenda and Materials for Aug 31 Stormwater Mtg.
100007524	08/21/2006	Draft Evaluating Stormwater in the Context of the Portland Harbor RI/FS.
100007525	08/24/2006	Stormwater Modeling Using the Fate and Transport Model - Initial Model Runs.
100007526	08/29/2006	Draft Options for Evaluating Stormwater to Address Portland Harbor RI/FS Needs.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007527	09/02/2008	Email regarding 2355 Schnitzer Burgard Industrial Slip Dredging Notification.
100007528	02/05/2004	Letter regarding permit application numbers.
100007529	09/21/2009	Email regarding anderson brothers.
100007530	09/21/2009	Letter regarding Review of Source Control Decision Anderson Brothers Inc.
100007531	09/22/2005	Email regarding Eco Team notes & assignments.
100007532	09/19/2005	Eco Team Work Session - notes.
100007533	09/23/2005	Email regarding Draft Oct 3-4 Eco Team agenda.
100007534	10/03/2005	Eco Team Work Session agenda - DRAFT.
100007537	09/30/2005	Email regarding Additional comments on Round 2 benthic sampling plan.
100007538	09/26/2005	Letter regarding Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Benthic Invertebrate Tissue,.
100007539	09/26/2005	Comments on Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Benthic Invertebrate Tissue.
100007540	09/26/2005	Additional Comments on Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Benthic Invertebrate Tissue.
100007541	10/06/2009	Email regarding Arco.
100007543	04/08/2009	Letter regarding Draft Interim Construction Report, Revetment Source Control Measure.
100007558	10/06/2009	Email regarding Downtown Portland Sediment Investigation.
100007559	09/30/2009	News Release regarding DEQ to Hold Oct. 21 Information Meeting about Downtown Portland Willamette River Sediment Investigation.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007560	10/15/2010	Email regarding Draft LWG FS Source Control Status Table.
100007561	08/18/2010	Draft Portland Harbor RI/FS Tables.
100007562	08/18/2010	Draft Portland Harbor RI/FS Tables.
100007563	10/19/2005	Email regarding Draft Seattle agenda.
100007564	10/24/2005	Eco Team Work Session Agenda.
100007565	10/20/2005	Email regarding DEQ ARKEMA EE/CA Review Comments.
100007566	10/20/2005	Arkema EECA Review Comments.
100007567	10/24/2007	Email regarding Eco Analysis Plan.
100007568	10/01/2004	EPA Comments on Technical Memorandum: Comprehensive Synopsis of Approaches and Methods, Ecological Risk Assessment.
100007569	08/24/2004	EPA Comments Approach for the Preliminary Risk Evaluation for Ecological Receptors
100007570	10/27/2010	Email regarding BERA Non-Directive Comments.
100007571	10/27/2010	EPA summary of Non Directed RI and BRA Comments based on October 15, 2010 meeting.
100007572	11/03/2005	Email regarding DEQ Comments on GASCO MARP.
100007573	11/03/2005	Letter regarding DEQ Comments Draft – Monitoring and Reporting Plan – Post Construction Removal Action NW Natural “GASCO” Site.
100007574	11/06/2006	Email regarding Agenda Development for Milestone Meeting.
100007575	11/03/2006	Agenda Development Notes.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007576	11/09/2005	Email regarding Bruce H's initial "direction" on the food web model.
100007577	11/09/2005	Portland Harbor Superfund Site - Transport & Fate / Food Web Modeling Directions for model design and development.
100007578	11/09/2009	Email regarding BERA Comments.
100007579	11/09/2009	Initial Comments and Notes on "Appendix G, Baseline Ecological Risk Assessment", DRAFT, Portland Harbor RI.
100007580	11/18/2005	Email regarding Final Draft ERA Package to EPA - review needed.
100007581	11/14/2005	Changes to the draft Assessment Endpoint Table.
100007582	11/14/2005	Data Needs for the Portland Harbor Ecological Risk Assessment.
100007583	11/14/2005	Approach for the Ecological Risk Assessment.
100007584	11/23/2005	Technical Recommendations to EPA on the Ecological Risk Assessment for Portland Harbor.
100007585	11/14/2005	DRAFT Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100007586	12/07/2006	Email regarding NWNG, Phase 1 Off-shore FSA Addendum 2 References.
100007587	09/29/2006	Letter regarding Addendum to Offshore Final Phase I Field Sampling Approach, NW Natural, Gasco Site.
100007588	10/19/2006	Memorandum regarding SOP for Discrete Depth Groundwater Sampling.
100007589	12/07/2006	Email regarding Addendum to Gasco Offshore FSA.
100007590	12/06/2006	Letter regarding Addendum to Offshore Final Phase I Field Sampling Approach, NW Natural, Gasco Site.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007591	12/09/2009	Email regarding AOPC_23 - UPRR Info.docx.
100007592	12/09/2009	AOPC: 23- Information for UPRR Albina.
100007594	12/21/2009	Email regarding EPA's Initial Comment Review.
100007595	12/21/2009	Maximum Detected Values from the RI Report, Tables D3: 2-3 through D3: 2-6.
100007603	12/22/2006	Email regarding Draft notes from 12-22 PH Managers meeting.
100007604	12/20/2006	Draft Notes Portland Harbor Managers Meeting.
100007638	07/22/2008	Draft Arkema Early Action EE/CA Work Plan: Work Plan Addendum.
100007507	07/22/2008	Appendix D to Draft Arkema Early Action EE/CA Work Plan: Comment Tables A and B.
100007639	07/22/2008	Appendix A to Draft Arkema Early Action EE/CA Work Plan: Field Sampling Plan (To Be Submitted).
100007640	07/22/2008	Appendix B to Draft Arkema Early Action EE/CA Work Plan: Quality Assurance Project Plan (To Be Submitted).
100007641	07/22/2008	Appendix C to Draft Arkema Early Action EE/CA Work Plan: Health and Safety Plan (To Be Submitted).
100007642	07/22/2008	Cover Letter for the Draft Engineering Evaluation/Cost Analysis (EE/CA) Work Plan Addendum: Arkema Removal Action, Arkema, Inc. Portland Facility; Administrative Order On Consent (AOC) for Removal Action.
100007653	05/10/2012	Draft Engineering Evaluation/Cost Estimate for Gasco Sediments Cleanup Site.
100007684	09/28/2010	Appendix A, Attachment 1: Field Change Request Forms for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.
100007685	09/28/2010	Appendix A, Attachment 2-1 Through 2-4: In-Water Field Data Forms for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.
100007725	09/28/2010	Appendix A, Attachment 2-5: Subsurface Core Photographs for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.
100007726	09/28/2010	Appendix A, Attachment 3: Upland Field Data Forms for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007653	05/10/2012	Draft Engineering Evaluation/Cost Estimate for Gasco Sediments Cleanup Site.
100007727	09/28/2010	Appendix A, Attachment 4: Field Data/Transition Zone Water (TZW) and Groundwater Field Data Forms for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.
100007731	09/28/2010	Appendix A, Attachment 5: Chain of Custody for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.
100007732	05/18/2012	Appendix A, Attachment 8: Sediment Toxicity (Bioassay) Analysis for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.
100007823	05/18/2012	Appendix A, Attachment 9 FCR 001 Analytical Laboratory Reports for Northwest Natural and Siltronic Corporation; Gasco Sediments Cleanup Action.
100007662	04/11/2011	Email regarding EPA comments on BHHRA risk tables & calculations.
100007673	04/11/2011	Letter regarding EPA cover letter Risk Tables Review.
100007674	04/11/2011	Email regarding EPA Comments on revised risk tables 4_11_11.
100007664	01/16/2008	Email regarding Re_Trust Agreement Funding Approval.
100007665	01/16/2008	Letter regarding Trust Agreement Approval Letter 11608.
100007668	02/07/2008	Email regarding CDs of RI_FS documents.
100007669		Creating Web Ready PDFs for the EPA.
100007670	02/09/2010	Email regarding EPA response to LWG February 5 2010 letter.
100007660	02/09/2010	Letter regarding EPA Response to LWG February letter.
100007671	04/09/2010	Email regarding EPA response to LWG Feb 18th letter re preliminary risk comments.
100007661	04/09/2010	Letter regarding Risk Assessment Response.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007686	04/21/2011	Email regarding Re_ FW_Bob_Jim-final Exec approved talking points_April 22nd Blumenauer Meeting.
100007687		Racetrack.
100007688	05/19/2008	Email regarding EPA letter re_ NOAA funding.
100007689		Final Portland Harbor RIFS Scope of Work FY08.
100007690	05/19/2008	Letter regarding NOAA support letter.
100007692	06/13/2008	Email regarding Aquatic Biota TissueTRV methodology for Portland Harbor BERA.
100007723		Aquatic Biota Tissue TRV Derivation 061308.
100007724	06/13/2008	Letter regarding TRV Methodology EPA Cover Letter.
100007719	12/21/2015	Email transmitting City of Portland comments on the Brazil Motors voluntary cleanup program (VCP) report.
100007720	12/21/2015	City of Portland comments on the Brazil Motors voluntary cleanup program (VCP) report.
100007728	06/17/2008	Email regarding Lamprey letter - dispute deadline extension.
100007729	06/17/2008	Letter regarding Dispute deadline extension.
100007730	07/16/2010	Email regarding EPA comments on the PH draft RI and BRA_7-16-2010_1830.
100007716	07/16/2010	BERA_Master File_07162010Final.
100007717	07/16/2010	RI_Specific_Comments_07162010Final.
100007718	07/16/2010	EPA RI Comments Cover Letter.
100007733		BHHRA_Specific_Comments_07162010Final.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007730	07/16/2010	Email regarding EPA comments on the PH draft RI and BRA_7-16-2010_1830.
100007735		GNL Address List March 2010.
100007736	07/16/2010	RI Report General comments 7162010.
100007737	07/16/2010	Summary of BERA HQs.
100007738	07/19/2010	Email regarding EPA comments on the PH draft RI and BRA_7-19-2010_1015.
100007769	07/16/2010	RI Report GeneralComments 7162010.
100007777	02/09/2016	Email transmitting documents related to City of Portland response to DEQ comments on SCM effectiveness demonstration.
100007779	02/08/2016	Revised Sampling and Analysis Plan for City of Portland Outfalls Project.
100007781	02/08/2016	Selection of Outfall Basins for Source Control Measure Effectiveness Monitoring.
100007788	02/09/2016	Response to DEQ Comments Dated 12/28/15 on Source Control Measures Effectiveness Demonstration.
100007794	09/08/2011	Email regarding EPA letter.
100007795	09/08/2011	Letter regarding EPA SMB letter to LWG.
100007825	09/23/2008	Email regarding Diver Scenario.
100007834		Chemical Degradation.
100007826	09/27/2010	Email regarding EPA comments on Benthic Approach 9-27-2010.
100007827		EPA Comments on benthic approach.
100007835	09/27/2010	EPA Benthic Approach Comments Cover Letter.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100007826	09/27/2010	Email regarding EPA comments on Benthic Approach 9-27-2010.
100007836		Attachment 1, PHLRM derivation.
100007837		Attachment 2, Reliability Statistics.
100007838		Table 1, Maps & Tables.
100007828	12/08/2010	Email regarding EPA response to non-directed RIRA comment resolution.
100007829	12/08/2010	EPA letter, Non-directed Comment Resolution.
100007830	12/08/2010	EPA Response, Non-Directed Comment Tables.
100007831	12/21/2012	Email regarding EPA comments and direction on Draft BERA, 12-21-2012.
100007832	12/21/2012	EPA BERA Comments Letter.
100007839	12/21/2012	BERA Comment Resolution Table.
100007840		EPA BERA Executive Summary.
100007841	07/01/2011	EPA edits to BERA Section 11.
100007833	09/23/2008	Email regarding Chemical Degradation Rates.
100007824		Chemical Degradation.
100007874	01/04/2016	Email regarding Portland Harbor FS.
100007875	01/04/2016	Letter regarding EPA Decision to Complete the Portland Harbor Superfund Site Feasibility Study - Decision to Complete PH SF FS.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007881	01/19/2016	Email regarding Lower Willamette Group Request for Dispute Resolution.
100007882	01/19/2016	Attachment A List of LWG Major Technical Issues Related to the Portland Harbor Feasibility Study - 2016-01-19 Attachment A to Dispute Resolution.
100007883	01/19/2016	Letter regarding Request for Dispute Resolution on EPA January 4, 2016 Decision to Take Over Portland Harbor Feasibility Study - 2016-01-19 LWG Request For Dispute Resolution on EPA January 4 FS Decision.
100007884	01/19/2016	Table of Contents - January 19, 2015 Lower Willamette Group Request for Dispute Resolution - Dispute Resolution Documents TAB Table of Contents.
100007903	01/23/2013	Email regarding EPA Preliminary FS revision Task List.
100007904	01/23/2013	Draft Portland Harbor FS Revision Tasks - EPA Preliminary FS TASK LIST.
100007907	03/06/2013	Email regarding TCT Meeting 3/06/2013 COC list.
100007908	03/05/2013	COC Evaluation Table - COCEvalTable20130305.
100007909	03/05/2013	Portland Harbor FS - COC Status - SummaryCOCs20130305.
100007910	06/11/2013	Email regarding PH Slides for CSTAG call.
100007911	11/05/2015	Portland Harbor CSTAG Update - 2013PHCSTAGUpdateJune11.
100007912	07/16/2013	Email regarding FS team technical work session 2 - July 31.
100007913	07/31/2013	Draft Portland Harbor FS Team Technical Work Session 2 - Draft Agenda- DraftAgendaAgencyTWS2_2013-07-31.
100007914	11/20/2013	Email regarding LWG supplemental technical analysis and information for draft FS.
100007915	11/20/2013	Draft EPA request for supplemental technical analysis and other information to support Draft Feasibility review/revisions - Draft FS supplemental information list 11202013.
100007916	12/05/2013	Email regarding Suggested FS Revision Schedule and Issue Themes - Supplemental Information Requests Integrated.
100007917	12/05/2013	Suggestion for Road to Proposal Plan - Suggestion for Road to Proposed Plan Dec 5 2013 Draft.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007916	12/05/2013	Email regarding Suggested FS Revision Schedule and Issue Themes - Supplemental Information Requests Integrated.
100007918	12/05/2013	Revised FS Comment Themes and Process Draft - Revised Dec 5 2013 FS Comment Themes and Process Draft.
100007923	01/16/2014	Email regarding Draft Revised Comment Themes and Process and Suggested Road to the Proposed Plan Documents.
100007924	12/05/2013	Revised FS Comment Themes and Process Draft - Revised Jan 10 2014 FS Comment Themes and Process Draft.
100007925	12/05/2013	Suggestion for Road o Proposed Plan - Suggestion for Road to Proposed Plan Dec 5 2013 Draft.
100007926	02/25/2014	Email regarding Dioxin/Furan as TEQ RALs.
100007927	02/18/2014	EPA Alternative Sediment Management Areas Overlaying Dioxin/Furans as TEQ RALs - DioxinFuran_TEQ_RALs_wth_alts_SMA_maps.
100007929	04/09/2014	Email regarding EPA discussion with CAG on DeFur comments on FS.
100007930	03/24/2014	PDefur Comments on FS - PDefur Comments on FS.
100007931	07/29/2014	Email regarding Portland Harbor Action Items from July 24 FS Section 1 Call.
100007932	07/29/2014	Table 2 – Feasibility Study Outline Cross-Walk - Table 2_ LWG FS Outline Cross-walk to EPA FS_2014-07-25.
100007935	08/05/2014	Email regarding Total dioxin/furan RAL footprints.
100007936	07/30/2014	Total Diox Furan Tables - TotalDioxFuranOUsideRALsmth.
100007937	08/05/2014	Email regarding total dioxin/furan RALs.
100007938	07/29/2014	RAL Conversions - RALconversions2.
100007939	08/28/2014	Email regarding Portland Harbor - Food Web Model.
100007940	08/28/2014	PRG Calculations - DF congeners_PRG calc spreadsheet_FWM PRGs_forEPA.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100007945	12/17/2014	Email regarding PH FS Revision Process.
100007946	12/17/2014	Revision Process for Final FS - 2014-12-17 FS Revision Process Diagram Revision.
100007947	12/15/2014	Portland Harbor Superfund Site Revision Process for Feasibility Study - 2014-12-17 PH FS Revision Process.
100007955	02/12/2015	Email regarding 95th percentiles of upstream detection limits.
100007956	02/12/2015	Site Wide AOPC TCDD - PeCDD_TCDD_95UCLMDLasSWACfloor.
100007959	02/27/2015	Email regarding Portland Harbor - Dioxin/Furan RALs.
100007960	02/27/2015	Site Wide TCDD Charts - 2015-02-27 TCDD RAL Curve.
100007961	02/27/2015	Site- wide - PeCDF Tables - PeCDF_Top3SDUs_2015-02-27_1428.
100007962	03/06/2015	Email regarding Dioxin/Furan core maps.
100007963	03/03/2015	Portland Harbor RI/FS Subsurface Sediment Cores With Total Dioxin/Furan Data Figures - AQ_DioxinFuranCores 3-6-2015.
100007964	03/06/2015	Email regarding Dioxin/Furan Follow-up.
100007965	03/01/2015	Draft Comparison of Dioxin/Furan Congeners and Other COCs - D-F-Congeners-COCs-Benthic-Comparison-AllAlts.
100007966	02/27/2015	Site - Wide PeCDF - PeCDF_Top3SDUs_2015-02-27_1428.
100008005	01/21/2016	Email regarding Portland Harbor Bioaccumulation Modeling Report.
100008006	01/21/2016	FS Sediment Natural Neighbors Data - BERA_PlusRM11E_FS_Sediment_NaturalNeighborsData_PCBs_2009-09-29.
100008007	01/21/2016	BERA Sediment Natural Neighbors Data - BERA_Sediment_NaturalNeighborsData_AnchorFS_PCBs_2010-03-16.
100008008	09/09/2014	Feasibility Study Surface Sediment for Bass SWACs - FS surface sed for bass SWACs_2014-09-09.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100008014	02/15/2016	Email regarding Anchor QEA Sheet Pile and Silt Curtain Unit Cost Buildup Questions.
100008015	10/10/2013	Portland Harbor RI/FS Cost Estimate Backup Draft Feasibility Study - Anchor QEA Draft FS-Cost Estimate Backup for Tem.
100008023	05/31/2005	Engineering Evaluation/Cost Analysis (EE/CA) Report (Public Review Draft) for Terminal 4 Early Action.
100007986	05/31/2005	Appendix A: Summary of Area History and Current Uses.
100007987	05/31/2005	Appendix B: Technology Screening.
100007988	05/31/2005	Appendix F: Summary of Dredged Sediment Quality Characteristics.
100007989	05/31/2005	Appendix G: Summary of Hydraulics and Sedimentation Characteristics.
100007990	05/31/2005	Appendix I: Evaluation of Capping Technology.
100007991	05/31/2005	Appendix L: Potential Removal Action Monitoring.
100008024	05/31/2005	Appendix C: Summary of Engineering Characteristics.
100008025	05/31/2005	Appendix D: Summary of Hydrogeologic Characteristics.
100008026	05/31/2005	Appendix E: Summary of Sediment Quality Characteristics.
100008027	05/31/2005	Appendix H: Evaluation of Monitored Natural Recovery.
100008028	05/31/2005	Appendix J: Evaluation of Dredging Feasibility.
100008029	05/31/2005	Appendix K: Evaluation of Confined Disposal Facility (CDF) Feasibility.
100008030	05/31/2005	Appendix M: Streamlined Risk Evaluation.
100008031	05/31/2005	Appendix N: Recontamination Analysis.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008023	05/31/2005	Engineering Evaluation/Cost Analysis (EE/CA) Report (Public Review Draft) for Terminal 4 Early Action.
100008032	05/31/2005	Appendix O: Cost Estimates.
100008033	05/31/2005	Appendix P: Preliminary Draft Biological Assessment.
100008034	05/31/2005	Appendix Q: Draft Clean Water Act Section 404(b)(1) Analysis Memorandum.
100008047	03/09/2016	Email regarding Portland Harbor Draft BA.
100008048	02/29/2016	Figure 4-1 a-k Presence of Salmonid Freshwater Migration PCEs - Figure 4-1a-k Presence of Salmonid Freshwater Migration PCEs.
100008049	02/29/2016	Figure 4-2 a-k Presence of Salmonid Freshwater Rearing PCEs - Figure 4-2a-k Presence of Salmonid Freshwater Rearing PCEs.
100008057	01/23/2013	Email regarding Clarifications Requested on Section 1 Redline.
100008092	02/24/2012	Figure 1-1 Portland Harbor RI/FS Vicinity Map - Figure 1-1.
100008113	02/24/2012	Portland Harbor RI/FS 2001 Aerial Ortho-photos Map 1-3 Maps.
100008058	12/01/2015	Groundwater and Bank Soil Source Control Evaluation: Kinder Morgan Linnton Terminal, Oregon Dept. of Environmental Quality ESCI No. 1096.
100008036		Groundwater and Bank Soil Source Control Evaluation: Appendix B - Historical Data.
100008037	08/01/2015	Groundwater and Bank Soil Source Control Evaluation: Appendix E: LNAPL Mobility Analysis.
100008038	03/28/2011	Groundwater and Bank Soil Source Control Evaluation: Appendix H - Subsurface Soils Investigation Results.
100008059	01/31/2014	Groundwater and Bank Soil Source Control Evaluation: Appendix A: Pore Water Sampling Results.
100008060	08/01/2014	Groundwater and Bank Soil Source Control Evaluation: Appendix C - Extraction Well Step Drawdown Testing Results.
100008061	04/01/2015	Groundwater and Bank Soil Source Control Evaluation: Appendix D: Barrier Wall Extraction System Capture Analysis.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008058	12/01/2015	Groundwater and Bank Soil Source Control Evaluation: Kinder Morgan Linnton Terminal, Oregon Dept. of Environmental Quality ESCI No. 1096.
100008062	07/01/2011	Groundwater and Bank Soil Source Control Evaluation: Appendix F - Barrier Wall/Extraction Well Diagrams (Part 1).
100008063	07/01/2011	Groundwater and Bank Soil Source Control Evaluation: Appendix F - Barrier Wall/Extraction Well Diagrams (Part 2).
100008064	11/15/2010	Groundwater and Bank Soil Source Control Evaluation: Appendix G - River Bank Erodability Assessment.
100008065	03/28/2012	Groundwater and Bank Soil Source Control Evaluation: Appendix H - Phase 2 Bank Soils Investigation Results.
100008066	10/15/2012	Groundwater and Bank Soil Source Control Evaluation: Appendix I - Estimated Pore Water Concentrations from Bank Soil Samples.
100008086	03/21/2008	Email Regarding NW Natural, Focused Feasibility Study Comments Letter.
100008087	12/19/2007	Memorandum With Comments On Gasco Draft Focused Feasibility Study; Siltronic.
100008088	03/21/2008	Review of the Groundwater/DNAPL Source Control Focused Feasibility Study for NW Natural 'Gasco' Site Received 10/12/2007 and Amended 11/9/2007 (Groundwater/DNAPL FFS).
100008089	02/08/2008	EPA Comments on Gasco Groundwater/DNAPL Source Control Focused Feasibility Study of November 2007.
100008090	03/25/2009	Email Regarding NW Natural - Document Copies, Routing, and Soft Copy Formatting.
100008101	03/25/2009	Outline for Creating Web-Ready, Accessible PDFs for the EPA.
100008094	01/03/2008	Email Regarding PH Round 2 Report Review - HHRA.
100008095	01/03/2008	Comments Regarding Round 2 Draft - HHRA.
100008098	03/10/2010	Email Regarding NW Natural, DEQ Comments to RI and Risk Assessment.
100008099	03/10/2010	Review of Remedial Investigation Report for Northwest Natural - Gasco Facility (Dated 4/30/2007) and Revised Baseline Ecological and Human Health Risk Assessment Report (Dated 12/2004); ECSI No. 84.
100008100	03/10/2010	Table 1: Landfill and Remedial Investigation/Remedial Action for the Tar Pond Area Soil Data and Hazard Quotients.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008102	03/29/2010	Email Regarding Portland Harbor - Sediment Quality Guidelines (SQG) Comparison.
100008103	03/29/2010	Spreadsheet With Comparison of High Sediment Quality Guidelines (SQGs) From the Lower Willamette Group (LWG) Floating Percentile Method (Original Spreadsheet File Attached).
100008111	02/14/2008	Email regarding Portland Harbor breastfeeding risk.
100008153	02/01/2008	Calculation of Potential Risk from Consumption of Breast Milk.
100008120	06/28/2013	Email regarding Portland Harbor RI 2013 revision - source tables for Tables 5.2-1 and 5.2-2.
100008121	06/28/2013	Portland Harbor Remedial Investigation Section 5 Matrix of Tables, Figures, and Maps - Rev 1 PH RI Section 5 Matrix of Tables, Figures, and Maps.
100008127	07/03/2013	Email regarding Reference work.
100008128	12/05/2012	EPA Comments on Appendix A1 and Table 2.0-1 and Appendix H1 and Table H2.0-1 - 2012_12_03 EPA Comments on 2011 RI Report_Integral.
100008130	06/04/2013	New References Called out in Table 2.0-1 - new refs from Table 2.0-1.
100008146	07/18/2013	Email regarding Section 5 Data Products - TZW.
100008205	07/18/2013	Draft Portland Harbor RI/FS Remedial Investigation Report Transition Zone Water Chemistry Maps 5.5-4a-f - Map 5.5-4a-f_TZW_Chromium_2013-07-18.
100008159	06/30/2015	Email: Invitation to Portland Harbor Community Café - July 16 (Less Attachment).
100008160	06/29/2015	Flyer: Portland Harbor Community Café St John's Community Center - Community Meeting.
100008163	02/16/2016	DEQ response to request for an opinion on 2800 NW Front Ave - new accessory building stormwater management, ECSI #1235.
100008176	12/01/2015	Schematic Utility Plan: Sulzer Office Building (marginalia).
100008179	03/03/2006	Email regarding PRE Comments.
100008181	03/03/2006	Comments on Portland Harbor RI/FS: Ecological Preliminary Risk Evaluation, Dated September 9, 2005, Prepared for the Lower Willamette Group by Windward Environmental.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008193	07/05/2006	Email regarding PRP Notice Letters - Public Information Meeting July 18.
100008204	07/01/2006	DEQ Seeking Public Comment on Proposed State Consent Judgment Regarding Portland Harbor Superfund Site.
100008206	07/23/2013	Email regarding Revised Surface Water figure examples, Section 5.3.
100008207	07/23/2013	Revised Draft Surface Water Figure Examples - Revised Surface Water Figure examples1.
100008208	07/23/2013	Draft Figure 5.3-20 Portland Harbor RI/FS Remedial Investigation Report Histogram by Flow Type of Total PCB Congener Concentrations - 2011-08-29_DF RI_Figure 5.3-20.
100008227	09/27/2013	Email regarding Revised Section 5 Surface Water figure format.
100008228	09/27/2013	Draft Figure 5.3-22 Portland Harbor RI/FS Remedial Investigation Report Histogram By Channel Position of Total PCB Congener - 2011-08-29_DF RI_Figure 5.3-22.
100008229	09/27/2013	Revised Surface Water Figure - Revised Surface Water Figure examples_20130925.
100008240	01/27/2014	Email regarding Portland Harbor Surface Water data.
100008241	11/05/2015	Surface Water Data backup - Backup of surface waterdata.
100008242	11/05/2015	Surface Water Data - surface waterdata.
100008256	07/23/2009	Email regarding Portland Harbor RAOs.
100008215	07/23/2009	Letter regarding use of the word "groundwater" in RAO 1 and RAO 4.
100008274	10/21/2010	Email regarding Portland Harbor probability plots.
100008275	10/21/2010	CFD plots benthic tox spreadsheet.
100008276	10/23/2009	Email regarding Arkema Riverbank Alternatives.
100008268	10/16/2009	Memorandum regarding Summary of Remedial Alternatives, Riverbank Source Control Measure, Arkema Inc., Portland Oregon.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008280	11/10/2005	Email regarding Portland Harbor Food Web Modeling Effort.
100008282	11/10/2005	Tables showing Details of the transport and fate (T&F) sub-model for a single river segment and Relationship of T&F and food web sub-models over multiple river segments.
100008283	11/16/2009	Email regarding Portland Harbor HHRA initial comments.
100008272	11/16/2009	Initial DEQ Comments on the Draft Baseline Human Health Risk Assessment for the Portland Harbor Site.
100008287	12/19/2005	Email regarding Preliminary Draft Offshore Groundwater Field Sampling Approach.
100008291	12/19/2005	Letter regarding Preliminary Draft Offshore Groundwater Field Sampling Approach: Gasco/Siltronic Groundwater Source Evaluation ECSI #84.
100008307	07/16/2014	Email regarding Portland Harbor RI Section 5.
100008308	06/26/2013	RI COIs - RI_v3.
100008311	07/29/2014	Email regarding Portland Harbor RI Section 10 Comments.
100008312	07/29/2014	Letter regarding Comments on the Remedial Investigation Report (Section 10) - 2014_07_29_EPA Comment Letter on 2011 RI Report Sections 10.
100008313	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 - Koch_2012-01-13_DF RI_Sec10_Text.
100008316	08/14/2014	Email regarding Section 10 Specific Comments.
100008317	08/14/2014	Comments on EPA's Revisions to RI Section 10 - 2014_0814_Section 10_Comments_forEPA.
100008318	08/19/2014	Email regarding Portland Harbor RI Section 5.
100008319	08/19/2014	Figure 2-1d Portland Harbor RI/FS Round 3 Sediment Trap Deployment Field Sampling Report - Fall 2006 - Pages from 2006-12 Fall 2006 Sed Trap Rpt 10-637823.
100008321	09/18/2014	Email regarding Portland Harbor RI Section 10 - BCS Comments.
100008322	09/18/2014	Letter regarding Requested edits to section 10.0 of EPA's Draft Remedial Investigation Report - 09-17-14 BCS Requested Edits to RI Section 10.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008323	10/31/2014	Email regarding Portland Harbor RI Section 10 - BCS Comments.
100008324	09/18/2014	Letter regarding Requested Edits to Section 10.0 of EPA's Draft Remedial Investigation Report - 09-17-14 BCS Requested Edits to RI Section 10.
100008325	11/13/2014	Email regarding Revised Draft RI Section 10 outline and Example Text for CSM.
100008326	11/13/2014	Draft Portland Harbor RI/FS Final Remedial Investigation Report Section 10 Outline - Draft Re-org Sect 10 outline_20141113.
100008327	11/13/2014	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 CSM - Draft Sec10_PCB CSM Text_20141113.
100008330	12/10/2014	Email regarding Portland Harbor Revised RI Section 10 Text.
100008331	01/13/2012	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 - Koch_2012-01-13_DF RI_Sec10_Text_Section 10 1.
100008332	01/13/2012	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Koch_2012-01-13_DF RI_Sec10_Text_Section 10 2.
100008333	12/23/2014	Email regarding Portland Harbor Revised RI Section 10 Text.
100008334	01/13/2012	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.1 - Rev 1 EPA_2012-01-13_DF RI_Sec 10.1_Text.
100008335	01/13/2012	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 1 EPA_2012-01-13_DF RI_Sec10.2.
100008341	04/08/2010	Email Regarding Materials for Today's Portland Harbor Stormwater Source Control Meeting.
100008342	04/08/2010	Agenda and Materials for Dept. of Environmental Quality (DEQ)/EPA/BES Meeting On Stormwater Source Control.
100008350	05/02/2006	Email Regarding Final Version of Today's Modeling Presentation With Additions to the Upfront, Objectives Portion.
100008351	05/02/2006	Presentation Regarding Models for Estimation of Chemical Distribution and Fate In Response to Remedial Alternatives In the Lower Willamette River; Modeling Discussions for the Portland Harbor Superfund Project (Version 2).
100008375	12/23/2014	Email regarding Portland Harbor RI Section 10.
100008376	01/13/2012	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.1 - Rev 1 EPA_2012-01-13_DF RI_Sec 10.1_Text.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008375	12/23/2014	Email regarding Portland Harbor RI Section 10.
100008377	01/13/2010	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 1 EPA_2012-01-13_DF RI_Sec10.2.
100008378	01/08/2015	Email regarding RI Section 10; Revised Draft RLSO for Discussion Purposes.
100008379	01/13/2012	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 - Rev 1 EPA_2012-01-13_DF RI_Sec10 1_EPA RLSO accepted.
100008380	01/13/2012	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 1 EPA_2012-01-13_DF RI_Sec10 2_EPA RLSO accepted.
100008394	06/11/2014	Email regarding Portland Harbor RI Section 5.
100008395	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.6 - koch_2012-01-13_DF RI_Sec5 6_Text - JK_TG_5 17 14.
100008396	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - koch_2012-01-13_DF RI_Sec5 4_Text - CDM Smith (2).
100008397	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.5 - koch_2012-01-13_DF RI_Sec5 5_Text - jk_tg_5 2014.
100008398	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.0-5.2 - Koch_2012-01-13_DF RI_Sec5.0, 5.1 and 5.2 Text.
100008399	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.3 - koch_2012-01-13_DF RI_Sec5.3_Text.
100008400	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.0-5.2 - Koch_2012-04_23_DF RI_Sec5 0 5 1 and 5 2 Text_ea.
100008401	11/05/2015	Portland Harbor Remedial Investigation Section 5.4 Tables - Section 5.4_tables.
100008402	11/25/2013	Portland Harbor RI/FS Remedial Investigation Report Sediment Trap Results Tables - SedTrap Results Tables 2013-11-25.
100008403	06/11/2014	Seep DB Results - seep_DB_results.
100008404	06/11/2014	Table 5.1-1 Summary of detected COIs or chemical classes by in-river media - Table 5.1-1.
100008405	06/11/2014	Table 5.1-2 Screening of COIs by in-river media for discussion and presentation in RI - Table 5.1-2.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008394	06/11/2014	Email regarding Portland Harbor RI Section 5.
100008406	06/11/2014	Table 5.1-3 Basis for screening of COIs due to co-location - Table 5.1-3.
100008407	06/11/2014	Table 5.3-1 Average Heights of Sediment collected in Sediment Traps Deployed in Willamette - Table 5.3-1.
100008408	06/11/2014	DB Results Table - TZW_DB_results.
100008409	07/25/2014	Email regarding Portland Harbor RI Section 5.
100008667	05/24/2014	Notes on Draft of RI Section 5.4 - RI 5.4_01_Draft RI Section 5.4 Notes.
100008668	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - RI 5.4_02_koch_2012-01-13_DF RI_Sec5.4_Text_CDM_data.
100008669	11/05/2015	Portland Harbor Remedial Investigation Section 5.4 Tables - RI 5.4_03_Section 5.4_tables.
100008670	11/05/2015	Portland Harbor Remedial Investigation Section 5.4 Tables - RI 5.4_04_Section 5.4_working tables.
100008671	05/20/2014	Notes on Draft of RI Section 5.5 - RI 5.5_01_Draft RI Section 5.5 Notes.
100008672	08/28/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.5 - RI 5.5_02_koch_2012-01-13_DF RI_Sec5 5_Text - jk_tg_5.2014.
100008683	07/25/2014	Remedial Investigation Section 5.5 Seep DB Results Tables - RI 5.5_03_seep_DB_results.
100008684	07/25/2014	Portland Harbor Remedial Investigation Section 5.5 TZW DB Results - RI 5.5_04_TZW_DB_results.
100008685	05/17/2014	Notes on Draft of RI Section 5.6 - RI 5.6_01_Draft RI Section 5.6 Notes.
100008686	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.6 - RI 5.6_02_Sec5 6_Text - JK_TG_5 17 14.
100008417	03/15/2016	Email: *Please Share* EPA Community Information Sessions - Portland Harbor Superfund Site.
100008306	03/01/2016	Flier: Get Ready and Informed - US EPA Holds Community Information Sessions on Portland Harbor.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008428	12/04/2015	Email: EJTF: Document for EPA/DEQ Portland Harbor Information (Less Attachment).
100008416	12/04/2015	Summary of Environmental Justice-Centered Outreach on Portland Harbor.
100008430	08/14/2013	Email: EPA to Hold Community Information Session for Residents, Aug 22, 5pm (Less Attachment).
100008165	08/14/2013	Letter to the Editor: Community Information Session on Portland Harbor Cleanup, August 22, 5pm (Signed).
100008431	08/14/2013	Letter to the Editor: Community Information Session on Portland Harbor Cleanup, August 22, 5pm.
100008448	03/12/2015	Email: Agenda For Tonight's Meeting (Less Attachment).
100008452	03/12/2015	Portland Harbor Community Coalition (PHCC) Meeting Agenda.
100008549	02/05/2016	Email transmitting a letter regarding the Tanner Creek sewer.
100008550	02/05/2016	Request for Immediate Action - Tanner Creek Sewer Contamination, Centennial Mill Site, ECSI #5136.
100008568	01/12/2007	Email regarding Stormwater Sampling at the Portland Harbor Site.
100008569	12/27/2006	Stormwater Sampling Sites as agreed to at 12-22 PH Mgr Mtg.
100008570	04/10/2007	Email regarding Preliminary List of Round 2 Report Issues and Data Gaps.
100008571	04/10/2007	Round 2 Report - EPA Preliminary Issues and Data Gaps.
100008579	08/17/2007	Email regarding Conditional Approval of Biota Tissue FSP and Lamprey Toxicity Testing FSP.
100008581	08/17/2007	Letter regarding Lamprey Toxicity Test Field Sampling Plan and QAPP Phase 2 Addenda.
100008588	08/17/2007	Letter regarding Round 3B Field Sampling Plan for Fish and Invertebrate Tissue and Collocated Surface Sediment.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008583	06/02/2006	Email regarding EPA Comments on Round 2 Report Outline.
100008575	04/14/2006	Outline: Comprehensive Round 2 Site Characterization Summary and Data Gaps Report.
100008584	06/29/2007	Email regarding Round 3B Data Gaps.
100008576	06/28/2007	Table 1: Round 3 Data Gap Summary Table.
100008596	08/24/2006	Email regarding Issue Summary and Status Table.
100008599	08/18/2006	Memorandum regarding a few additional questions/points of clarification for Portland Harbor TRVs.
100008602	08/24/2006	Framework Issue Summary, August 24, 2006.
100008605	08/08/2006	Draft Assessment and Measurement Endpoints, Including LOEs.
100008614	09/20/2007	Email regarding EPA Comments on Sedflume Incorporation Memo and Gunderson Strat Core FSP.
100008624	09/20/2007	Letter regarding Round 3 Groundwater Pathway Assessment: Field Sampling Plan for Stratigraphic Coring and Bulk Sediment - Gunderson.
100008627	09/20/2007	Letter regarding Technical Memorandum: Sedflume Data Incorporation into Hydrodynamic/Sediment Transport Model.
100008623	05/05/2006	Email With Notes From May 4, 2006 Stormwater Meeting.
100008591	05/03/2006	Working Draft of Dept. of Environmental Quality's Comprehensive Stormwater Control Strategy.
100008608	05/04/2006	Notes From Stormwater Workgroup Meeting; Reference to Draft Overview of DEQ's "Comprehensive Stormwater Control Strategy."
100008626	05/04/2006	Outline of a Sampling of Approaches for Evaluating Recontamination: Terminal 4 Recontamination Evaluation.
100008629	05/05/2006	Email Regarding Final Notes From the April 11th Ecological Framework Meeting I Facilitated With the Lower Willamette Group (LWG).
100008628	04/11/2006	Meeting Summary: Ecological Risk Assessment Framework Meeting at the Ater Wynne Office In Portland, Oregon.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008631	12/03/2007	Email regarding Fish Tissue FSP and QAPP Approval.
100008657	12/03/2007	Letter regarding Round 3B Field Sampling Plan for Fish and Invertebrate Tissue and Collocated Surface Sediment and Round 2 Quality Assurance Project Plan Addendum 9.
100008635	09/29/2005	Email regarding revised archived core table.
100008639	09/27/2005	EPA Archive Samples Final Table.
100008646	10/15/2007	Email regarding EPA's proposal for bass compositing.
100008647	09/17/2007	Summary of Proposed Smallmouth Bass for Composites.
100008654	05/08/2006	Email Regarding Materials for Meeting of May 9th - Ecological Framework Meeting.
100008725	05/08/2006	Spreadsheet With Draft Assessment and Measurement Endpoints, Including Level-of-Effort (LOE) (Full Spreadsheet In Native Format Attached).
100008727	05/08/2006	Draft Spreadsheet With PH Matrix (Revised); Weighing Criteria for Measuring Endpoints, Consideration, Ranking Relative to Considerations (Full Spreadsheet In Native Format Attached).
100008661	12/08/2006	Email regarding Outfall Sampling Proposal.
100008663	11/30/2006	Storm Water Outfall Summary: Outfalls Targeted for 2006/2007 Water Year.
100008665	12/14/2006	Email regarding GIS Data Layer Request.
100008675	12/14/2006	Letter regarding Spatial Data Layers (GIS) Request.
100008687	08/11/2014	Email regarding Portland Harbor RI Section 5.
100008688	08/11/2014	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.5 - Rev 1 2014-06-16_DF RI_Sec5.5_Text_EPA_Integral.
100008689	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.0-5.1 - Rev 1 2014-07-15_DF RI_Sec5.0_5.1_Text_EPA_Integral.
100008690	11/05/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.2 - Rev 1 2014-07-15_DF RI_Sec5.2 Text_EPA_Integral.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008687	08/11/2014	Email regarding Portland Harbor RI Section 5.
100008691	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.3 - Rev 1 2014-07-15_DF RI_Sec5.3_Text_EPA_Integral.
100008692	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.4 - Rev 1 2014-07-22_DF RI_Sec5.4_Text_EPA_Integral.
100008693	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 5.6 - Rev 1 2014-08-04_DF RI_Sec5 6_Text_EPA_Integral.
100008694	01/13/2015	Email regarding RI revised Section 10 and executive summary.
100008695	01/13/2015	Portland Harbor Remedial Investigation Executive Summary - Koch_2015_1_13 DF RI Executive_Summary.
100008696	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 - Rev 2 EPA_2014-01-12_DF RI_Sec10 1_KK.
100008697	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 2 EPA_2014-01-12_DF RI_Sec10 2_ea_kk.
100008700	02/13/2015	Email regarding Status of the revised Draft RI Section 10 and the Draft Executive Summary.
100008701	02/13/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 - Rev 3 EPA_2014-01-12_DF RI_Sec10 1_clean.
100008702	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10 - Rev 3 EPA_2014-01-12_DF RI_Sec10 1_KK_Integral.
100008703	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 3 EPA_2014-01-12_DF RI_Sec10 2_clean.
100008704	08/29/2011	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10.2 - Rev 3 EPA_2014-01-12_DF RI_Sec10 2_ea_kk_Integral.
100008705	02/18/2015	Email regarding Status of the revised Draft RI Section 10 and the Draft Executive Summary.
100008706	02/18/2015	Portland Harbor RI/FS Draft Final Remedial Investigation Report Section 10-1 - Rev 4 EPA_2014-01-12_DF RI_Sec10 1_clean_wLWG.
100008735	06/02/2009	Email Regarding Portland Harbor Applicable or Relevant and Appropriate Requirements (ARARs).
100008734	06/02/2009	Table Referring to Applicable or Relevant and Appropriate Requirements (ARARs) By Oregon Revised Statute, Oregon Administrative Rule, Criterion/Standard, and ARAR Compliance.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100008746	06/12/2009	Email Regarding Portland Harbor Applicable or Relevant and Appropriate Requirements (ARARs): After Further Evaluation, DEQ Will Not Add Further ARARs or Thermal Bypass Checklists (TBCs) to Its Table at This Time.
100008737	06/12/2009	Table Regarding Portland Harbor Applicable or Relevant and Appropriate Requirements (ARARs).
100008784	03/03/2008	Email regarding FS Process Outline.
100008786	03/03/2008	Portland Harbor RI/FS - FS Process Outline.
100008790	06/13/2006	Email Regarding Updated Status Report and Matrix for Fate and Transport Modeling.
100008762	06/13/2006	Progress Report On Fate and Transport/Food Web Modeling Approaches.
100008764	06/13/2006	Fate and Transport Matrix (Revised): Suggested Revisions to Modeling Objectives Matrix Based On May 17 Conference Call With EPA (Updated June 13, 2006 by Carl Stivers).
100008792	12/09/2010	Email Regarding December 14th FS Check In Meeting Presentations (email 1 of 3).
100008803	12/14/2010	Sensitivity/Uncertainty Analyses and Other Evaluations to Support SMA Refinement.
100008804	12/14/2010	Preliminary Methods for Volume Determinations.
100008793	01/09/2009	Email regarding Quote for Chemical Analysis of Osprey Eggs Collected at Portland Harbor.
100008794	12/23/2008	Quote for sampling of Osprey eggs.
100008796	03/12/2010	Email Regarding February 2010 Portland Harbor Monthly Progress Report.
100008797	03/12/2010	Monthly Progress Report for February 2010.
100008799	03/12/2008	Email Regarding FS meeting action items and discussion outline.
100008800	03/05/2008	Discussion Materials from EPA Meeting on Feasibility Study.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008801	02/04/2009	Email Regarding Revised FS Milestone Table
100008802	02/04/2009	Revised FS Schedule - Key Milestones.
100008805	01/15/2010	Email Regarding December 2009 Portland Harbor Monthly Progress Report.
100008806	01/14/2010	Monthly Progress Report for December 2009
100008809	06/24/2009	Email Regarding Draft FS Evaluation Areas Map Talking Points.
100008810	06/24/2009	Draft FS Evaluation Area maps - Suggested Talking Points.
100008811	06/26/2008	Email Regarding Water Equation, Including Implications for Using the Lower Willamette Group (LWG) Water Equation.
100008795	06/26/2008	Biological Sciences Facility (BSF) Calculations of Freely Dissolved Chemical Concentration From Measured Total or Dissolved Concentrations.
100008812	04/07/2006	Agenda for April 11, 2006 Meeting and ERA Framework Issue Summary.
100008823	04/07/2006	Summary of Ecological Risk Assessment Decision Framework Issues.
100008814	07/24/2009	Email Regarding AOPC Agreement Letter - final version.
100008815	06/16/2009	Areas of Potential Concern (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240)
100008816	02/25/2009	Email regarding Development of Reference Envelope for the Evaluation of Benthic Risk.
100008819	02/12/2009	PH Tox RefStations 090212.
100008818	06/28/2006	Email Regarding Follow-Up to Discussion of Generating Sediment Preliminary Remediation Goals (PRGs) With the Food Web Model.
100008817	06/28/2006	Spreadsheet With Food Web (PRG) Example Model Required Inputs.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008824	06/23/2008	Email regarding Osprey FSP.
100008825	05/02/2008	Field Sampling Plan for the Collection of Osprey Eggs from the Portland Harbor Superfund Site.
100008827	09/17/2008	Email regarding Assessing Benthic Risk at the Portland Harbor Site.
100008828	09/17/2008	An Evaluation of the Approach for Assessing Risks to the Benthic Invertebrate Community at the Portland Harbor Superfund Site.
100008831	07/18/2008	Email Regarding AETT - LWG Meeting Notes and Scope for EPA review and approval.
100008832	07/18/2008	Alternative Evaluation of Treatment Technologies Meeting Summary - June 11, 2008.
100008893	07/17/2008	Alternative Evaluation of Treatment Technologies Meeting Summary - June 11, 2008 (Revised).
100008894	07/17/2008	Scope of the Beneficial Use and Initial Market Evaluation Addendum Document and Pre-Feasibility Study Treatment Technologies Table.
100008846	02/03/2016	Email regarding spreadsheet regarding format of RI.
100008847	01/11/2016	Format for Final Portland Harbor Remedial Investigation Report - 2016 1-11 Format for RI - Requests from TCT.
100008848	03/21/2016	Email regarding Final RI Approval.
100008849	03/21/2016	Portland Harbor Remedial Investigation Acronyms Check - Portland Harbor RI Acronyms Check.
100008855	01/08/2016	Email regarding Portland Harbor RI - Conditional Approval.
100008856	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D1.5 - 2016-01-08 Portland Harbor RI Appendix D1.5.
100008857	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D2.3 - 2016-01-08 Portland Harbor RI Appendix D2.3.
100008858	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D3.3 - 2016-01-08 Portland Harbor RI Appendix D3.3.
100008859	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D4.4 - 2016-01-08 Portland Harbor RI Appendix D4.4.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008855	01/08/2016	Email regarding Portland Harbor RI - Conditional Approval.
100008860	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix D5.3 - 2016-01-08 Portland Harbor RI Appendix D5.3.
100008861	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Appendix E Attachment 1 - 2016-01-08 Portland Harbor RI Appendix E Attachment 1.
100008862	02/08/2016	Portland Harbor RI/FS Remedial Investigation Report Appendix E - 2016-01-08 Portland Harbor RI Appendix E.
100008863	01/08/2016	Attachment 1 List of Changes for Conditional Approval of the Portland Harbor RI Report - 2016-01-08 Portland Harbor RI Conditional Approval Att 1.
100008864	01/08/2016	Letter regarding Conditional Approval of the Draft Final Remedial Investigation Report.
100008865	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Executive Summary - 2016-01-08 Portland Harbor RI Executive Summary.
100008866	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 1 Text - 2016-01-08 Portland Harbor RI Section 1 Text.
100008867	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 2 Text - 2016-01-08 Portland Harbor RI Section 2 Text.
100008868	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 3 Text - 2016-01-08 Portland Harbor RI Section 3 Text.
100008869	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 4 Text - 2016-01-08 Portland Harbor RI Section 4 Text.
100008870	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 5 Text - 2016-01-08 Portland Harbor RI Section 5 Text.
100008871	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 6 Text - 2016-01-08 Portland Harbor RI Section 6 Text.
100008872	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Table 7.3-1. Summary of Background Results, DryWeight and OC-Equivalent Concentrations All Data - 2016-01-08 Portland Harbor RI Section 7 Table 7.3-1.
100008873	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 7 Text - 2016-01-08 Portland Harbor RI Section 7 Text.
100008874	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 8 Text - 2016-01-08 Portland Harbor RI Section 8 Text.
100008875	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Table 9.11-1. Contaminants of Ecological Significance - 2016-01-08 Portland Harbor RI Section 9 Table 9.11-1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008855	01/08/2016	Email regarding Portland Harbor RI - Conditional Approval.
100008876	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 9 Text - 2016-01-08 Portland Harbor RI Section 9 Text.
100008877	02/08/2016	Portland Harbor RI/FS Final Remedial Investigation Report Section 10 Text - 2016-01-08 Portland Harbor RI Section 10 Text.
100008878	01/08/2016	How to Create a Web-Ready PDF for EPA - How to Create a Web-Ready PDF.
100008896	07/02/2009	Email Regarding AOPC to SMA Steps Schematic.
100008897	06/29/2009	Schematic of Areas of Potential Concern (AOPC) to Sediment Management Area (SMA) Refinement Steps.
100008900	02/10/2010	Email Regarding Compiled PRG Tables.
100008902	02/10/2009	Compiled PRG Tables.
100008903	05/30/2008	Email Regarding DRAFT Definition of FS Terms.
100008904	05/30/2008	Draft Definitions of Terms for use in the Feasibility Study.
100008905	06/27/2008	Email Regarding Draft Disposal Site Working List.
100008906	06/27/2008	DRAFT DISPOSAL FACILITY SITE "WORKING LIST" FOR THE FS.
100008926	02/28/2008	Email regarding FW_ Bathymetry map for Zidell.
100009181		Figure: Solmar Hydro Bathymetry.
100008928	12/10/2009	Email Regarding Interim Revised PRG Table
100008929	12/10/2009	All PRGs As Of Dec 10 2009.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008930	08/07/2009	Email Regarding July 2009 Portland Harbor Monthly Progress Report.
100008931	08/07/2009	Monthly Progress Report for July 2009.
100008932	03/24/2006	Email regarding FW_ Milestone report.
100009182		3.06.Milestone Report Table 1.
100009184		3.06.JSCS Milestone Report.
100009185		3.06.Milestone Report Table 3.
100009186		3.06.Milestone Report Table 4.
100009193		3.06.Milestone Report Table 2.
100008936	02/09/2006	Email regarding FW_ Floating Percentile Calculations.
100009177		Dataset: 4-FPV-CHG-L1-mra.
100009178	04/12/2016	Data Summary.
100009179	02/09/2006	FPM Method Comparisons.
100008941	12/17/2007	Email Regarding LWG Proposal Mobility Testing.
100008942	12/17/2007	Preliminary Proposal for Feasibility Study (FS) Mobility Testing.
100008943	12/17/2007	Preliminary Proposal for Feasibility Study (FS) Mobility Test Tables.
100008948	12/17/2009	Email Regarding LWG Response to EPA Comments on QEA Fate Model.
100008949	12/17/2009	Response to EPA's comments dated November 24, 2009 on the QEA Fate Model.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100008951	04/15/2009	Email Regarding LWG Responses: Status of RI/FS Technical Issues.
100008952	04/15/2009	OUTSTANDING PORTLAND HARBOR RI/FS ISSUES STATUS AS OF 4/15/2009.
100008973	06/29/2006	Email Regarding Quick Notes From June 29th Stormwater Meeting.
100008974	06/29/2006	Notes From the June 29th Meeting of the EPA, Dept. of Environmental Quality, and City of Portland Stormwater Workgroup.
100008979	07/29/2008	Email Regarding PCB Aroclors List (See Database Spreadsheet), We Identified and Used Several Additional Studies for Total PCBs, Which Will Be a Part of My Comments On the TRV Derivation.
100008980	07/29/2008	Spreadsheet With 278702700 SSD ERED-SETAC Database (PCBs As Aroclors, Pyrene, Selenium, TBT, TCDD, Fluoranthene, HCB, Mercury) (Original Spreadsheet Is Attached).
100008981	07/29/2008	Spreadsheet Concerning 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD); 278702700 TCDD CBCs (Original Spreadsheet Is Attached).
100008982	04/12/2006	Draft Memorandum: Species Sensitivity Distribution Tissue Screening Levels - 278702700M3.
100008993	07/29/2008	278702700T1 T2 SSD Database Summary; NOER/LOER; Fish Tissue Screening Level Development.
100008984	07/20/2006	Email Regarding Materials for the Next July 27th Stormwater Strategy Meeting.
100008985	07/20/2006	Draft Portland Harbor Stormwater Strategy - the Good Read, Capturing Main Points From Document That Follows.
100008991	03/12/2010	Email Regarding Aroclor-Homolog Relationships Presentation From March 11th Conference Call.
100008992	03/11/2010	Lower Willamette River Revised Fate and Transport Modeling Study - Sediment Aroclor-Homolog Relationships.
100009009	01/24/2006	Email regarding Background Reference.
100009018	10/28/2002	Memorandum regarding default background concentrations for metals.
100009014	08/14/2007	Email Regarding PCB Sediment Background Calculations.
100009015	08/14/2007	Memorandum: Determining a Regional Anthropogenic Background Concentration of PCBs in Sediment Upstream of the Zidell Site.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100009020	01/25/2007	Email regarding DDE Water Quality Value.
100009025	01/01/2006	National Recommended Water Quality Criteria.
100009026	10/13/2006	Table 1: Selected acute and chronic ecological screening levels (Eco SLs) for chemicals in water.
100009036	11/13/2009	Email Regarding Monday, November 16th 9 am to noon - Portland Harbor Site Tour.
100009037	07/02/2009	Directions to Caruthers Landing and the Portland Spirit Sales Office.
100009038	09/24/2008	Portland Spirit - Public Cruise: Event Guidelines.
100009041	06/30/2008	Email Regarding PRG June 18 Meeting Notes.
100009042	06/30/2008	PRG Meeting Summary - June 18, 2008.
100009043	06/11/2009	Email regarding Draft 6/11 Doane Lake Area Meeting Agenda.
100009045	06/11/2009	6/11/09 DEQ/EPA Doane Lake Area Meeting Agenda.
100009046	06/26/2006	Email regarding Benthic Approach Comments.
100009047	06/26/2006	Portland Harbor Sediment Data Summary.
100009048	06/21/2006	Portland Harbor Superfund Site Ecological Risk Assessment: Interpretive Report: Estimating Risks to Benthic Organisms Using Predictive Models Based on Sediment Toxicity Tests.
100009051	09/15/2008	Email regarding Dioxin TRV - Fish.
100009035	06/01/2008	Framework for Application of the Toxicity Equivalence Methodology for polychlorinated Dioxins, Furans, and Biphenyls in Ecological Risk Assessment.
100009062	07/08/2010	Email Regarding Prep for next FS matrix meeting.
100009073	07/08/2010	Follow up from LWG/NMFS/EPA Mitigation Matrix Meeting (June 22, 2010).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009062	07/08/2010	Email Regarding Prep for next FS matrix meeting.
100009074	06/21/2010	Table 1. Draft LWG Mitigation Framework - Active Channel Margin.
100009075	06/21/2010	LWG Comments on the NOAA/NMFS Habitat Values for Salmonids.
100009063	10/22/2009	Email Regarding QEA Fate Model History and References.
100009065	09/25/2007	DECLARATION FOR THE NEAL'S LANDFILL RECORD OF DECISION AMENDMENT.
100009066	10/22/2009	QEA FATE Model Development and Application History.
100009067	10/21/2009	USE OF MATHEMATICAL MODELS TO EVALUATE MANAGEMENT OPTIONS FOR REDUCING PCB BIOACCUMULATION BY FISH IN TWO STREAMS AT THE NEAL'S LANDFILL SITE, BLOOMINGTON, IN.
100009068	07/24/2009	Email Regarding RAOs Response.
100009069	06/24/2009	Revised Remedial Action Objectives (RAOs) and Management Goals (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100009070	06/24/2009	REVISED REMEDIAL ACTION OBJECTIVES.
100009071	06/05/2009	Email Regarding Revised Areas for Evaluation in the FS.
100009072	06/03/2009	Figure 1: Areas to Be Evaluated Using EPA's Suggested Methods.
100009076	07/11/2008	Email Regarding PRG July 2 Meeting Notes and Summary PRG Agreements.
100009039	07/11/2008	Ecological Receptors.
100009040	07/11/2008	Draft PRG Methods and Process Agreements.
100009077	07/11/2008	PRG Meeting Summary – July 2, 2008
100009078	07/11/2008	Chemical List for Early PRGs.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009085	06/08/2006	Email Regarding Revised Modeling Objectives Matrix.
100009086	06/07/2006	Suggested Revisions to Modeling Objectives Matrix based on May 17 Conference Call with EPA.
100009088	06/18/2009	Email Regarding Screening of Disposal Facilities technical memo.
100009079	06/18/2009	SCREENING OF DISPOSAL FACILITIES FOR THE FEASIBILITY STUDY.
100009092	06/05/2009	Email Regarding Treatment Technologies Screening Tables.
100009093	06/05/2009	Pre-Feasibility Study Treatment Technologies Table.
100009108	09/26/2005	Email regarding Benthic FSP comments.
100009109		Freshwater Mussels of the Pacific Northwest.
100009119	09/26/2005	Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Benthic Invertebrate Tissue, September 9, 2005, Prepared for the Lower Willamette Group by Windward Environmental LLC.
100009125	10/21/2008	Email regarding Draft Approval Letter for Stormwater Loading Calculation Methods.
100009122	09/18/2008	Memorandum regarding Proposed method for calculating representative LU concentrations.
100009128	10/21/2008	Memorandum regarding EPA's Draft Approval Letter for Stormwater Loading Calculations.
100009131	12/05/2006	Email regarding Bioaccumulative sediment criteria for Copper.
100009132	01/01/2006	Synthesis of effects of dissolved copper on juvenile salmonid olfaction using a benchmark concentration analysis.
100009134	08/15/2007	Email Regarding Northwest Natural - Gasco Site: Source Control Data Gaps Work Plan.
100009135	08/03/2007	City Comments On Source Control Data Gaps Work Plan, Northwest Natural Gasco Site, July 2007.
100009136	08/15/2007	Review of the "Source Control Data Gaps Work Plan, NW Natural Gasco Site, 7900 NW St. Helens Road, Portland, Oregon."

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009138	12/05/2006	Email regarding Bioaccumulative sediment criteria for Copper.
100009140	06/01/1996	Toxicological Benchmarks for Wildlife: 1996 Revision.
100009151	09/14/2007	Email Regarding DEQ Review of the Seepage Meter Deployment Scope and Transition Zone Water Tidal Influence Study Technical Memorandums and Our Comments.
100009152	09/14/2007	Letter Concerning Proposed Groundwater Seepage Meter and Transition Zone Water; Tidal Influence Study Scopes of Work; Northwest Natural Gas Company - Gasco Site; Portland, Oregon; ECSI #84.
100009171	09/18/2009	Email Regarding Draft RI Appendices List.
100009172	09/18/2009	Draft RI - List of Appendices.
100009174	03/19/2008	Email Regarding draft RI Table of Contents for today's discussion.
100009296	03/19/2008	PRELIMINARY PORTLAND HARBOR REMEDIAL INVESTIGATION OUTLINE – FOR DISCUSSION PURPOSES ONLY, PRELIMINARY DRAFT.
100009190	09/17/2008	Email Regarding Lower Willamette Group (LWG) Responses to the EPA Comments On the Round 2 Comprehensive Report Conceptual Site Model (CSM).
100009191	09/17/2008	Comment 123 (ACF Industries) Regarding Groundwater - Change Pathway Designation / January 2008 JSCS Milestone Report.
100009211	02/28/2013	Email regarding Please forward to those I missed.
100009212	02/27/2013	The Road to ROD Portland Harbor Superfund Site Agency FS Team Technical Work Session 1 - AgencyTechWS1.
100009223	02/28/2013	COC Evaluation Table - COCEvalTable.
100009217	09/21/2006	Email Regarding Next Stormwater Strategy Meeting of October 5.
100009218	09/21/2006	Stormwater Strategy Evaluation (PowerPoint Presentation).
100009224	03/28/2013	Email regarding Fish PRGs.
100009225	03/29/2013	Fish PRGs Table - Fish PRGs1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009226	04/19/2013	Email regarding Lower Willamette River Fish Tissue Data.
100009227	04/19/2013	Whole Body Data Table - dt_SMBWholeBodyData_AllEvents_20130417.
100009231	10/10/2013	Email regarding Request for backup cost information.
100009232	10/10/2013	Portland Harbor RI/FS Additional Cost Backup Draft Feasibility Study Response to EPA Costs Comments - Cost Estimate Backup.
100009234	12/12/2013	Email regarding Portland Harbor Additional Cost Backup Information.
100009235	12/11/2013	Portland Harbor RI/FS Response to EPA Follow-up Cost Comments Response to EPA Follow-up Cost Comments - Response to EPA Cost Comments_ Dec11 2013_Final.
100009238	01/16/2014	Email regarding December 10 meeting summary.
100009239	12/10/2013	Senior Managers' Meeting - notes mgr meeting 12-10-13 rev lc.
100009240	01/17/2014	Email regarding Portland Harbor - Items 2, 3, and 4 of EPA November 20, 2013 FS Supplemental Information Requests.
100008243	01/28/2014	Email regarding Portland Harbor Surface Water data.
100009241	01/15/2014	Memorandum regarding Proposed Process for Incorporation of EPA's Dredge Production and Dredge Residual Recommendations for the Portland Harbor Feasibility Study - Dredge Production Rate and Residual_20140115.
100009242	01/15/2014	Memorandum regarding Draft Decision Step Process Outline for incorporation of EPA's Remedial Action Levels into the revised Portland Harbor Feasibility Study - EPA RALs Decision Steps Process_20140115.
100009244	01/22/2014	Email regarding Portland Harbor - Items 2, 3, and 4 of EPA November 20, 2013 FS Supplemental Information Requests.
100009245	01/15/2014	Memorandum regarding Proposed Process for Incorporation of EPA's Dredge Production and Dredge Residual Recommendations for the Portland Harbor Feasibility Study - Dredge Production Rate and Residual_20140115.
100009246	01/15/2014	Memorandum regarding Draft Decision Step Process Outline for incorporation of EPA's Remedial Action Levels into the revised Portland Harbor Feasibility Study - EPA RALs Decision Steps Process_20140115.
100009247	01/15/2014	Memorandum regarding Sediment Transport Modeling Analysis: Item 2 of EPA's Portland Harbor Feasibility Study Supplemental Information Requests - LWR Model Output Transfer_20140115.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009248	01/28/2014	Email regarding Draft FS Framework Materials.
100009249	01/30/2014	Portland Harbor Superfund Site Draft EPA/LWG Framework for Revising the Feasibility Study - 012814 Draft FS Framework.
100009250	01/30/2014	Portland Harbor Superfund Site Draft EPA/LWG Framework for Revising the Feasibility Study - 012814 Draft FS Framework1.
100009251	01/20/2014	FS Revision Process Matrix - 012814 Draft FS Process Dates Matrix.
100009252	01/20/2014	FS Revision Process Matrix - 012814 Draft FS Process Dates Matrix1.
100009253	02/04/2014	Email regarding December 10 meeting summary.
100009254	12/10/2013	Senior Managers' Meeting Notes - notes mgr meeting 12-10-13 rev lc.
100009255	02/11/2014	Email regarding agenda for Thursday PH meeting.
100009256	02/13/2014	Agenda Portland Harbor Senior Managers Meeting - 2-13-14 draft agenda PH senior mgrs.
100009258	02/26/2014	Email regarding EPA evaluation of DDx.
100009259	02/21/2014	DDX SDU SWAG Values - 2014-02-21 DDx SDU_SWAC_values.
100009298	10/05/2010	Email Regarding EPA Comments on Benthic Risk Evaluation Dispute Deadline.
100009299	10/05/2010	Letter Regarding EPA Comments on Benthic Risk Evaluation (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100009323	02/16/2010	Email Regarding January 2010 Portland Harbor Monthly Progress Report.
100009324	02/16/2010	Lower Willamette River, Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240 Monthly Progress Report for January 2010.
100009327	08/12/2010	Email Regarding July 2010 Portland Harbor Monthly Progress Report.
100009328	08/11/2010	Lower Willamette River, Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240 Monthly Progress Report for July 2010.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009331	12/07/2009	Email Regarding List FS Related Items Needing Resolution Before the Full Alternatives Screening Analysis Can Occur.
100009332	12/07/2009	List of FS Related Items Needing Resolution Before the Full Alternatives Screening Analysis Can Occur (and items not needing resolution).
100009335	02/01/2010	Email Regarding LWG ARAR Questions for February 4th Meeting.
100009336	02/01/2010	Table 1. ARAR Questions for February 4, 2010 Meeting with EPA.
100009337	02/24/2010	Email Regarding LWG Extension Request EPA Performance Standards for Confined Disposal Facilities.
100009338	02/24/2010	February 18, 2010 EPA Performance Standards for Confined Disposal Facilities (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100009341	02/19/2010	Email Regarding LWG Mitigation Framework Matrix.
100009342	01/19/2010	Table 1. Draft LWG Mitigation Framework.
100009343	09/24/2009	Email Regarding LWG Possible Interpretations of EPA's Potential ARARs for Discussion - For September 25th ARARs Meeting.
100009344	09/24/2009	Possible Interpretations of EPA's Potential ARARs for Discussion.
100009347	09/23/2009	Email Regarding LWG Questions Regarding ARARs Potentially Proposed by EPA - For September 25th ARARs Meeting.
100009348	09/23/2009	Questions Regarding ARARs Potentially Proposed by EPA.
100009349	02/18/2010	Email Regarding LWG Response Letter to EPA Response on PCB Modeling Approach.
100009350	02/18/2010	EPA Response on PCB Modeling Approach – Contaminant Fate and Transport Model (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100009351	08/19/2009	Email Regarding LWG Response to August 7, 2009 EPA Direction on Portland Harbor RAOs.
100009352	08/19/2009	August 7, 2009 EPA Direction on Portland Harbor Remedial Action Objectives (RAOs) for Lower Willamette River (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009353	05/05/2010	Email Regarding LWG Response to EPA April 23rd Performance Standards for Confined Disposal Facilities for the Portland Harbor Feasibility Study.
100009354	05/05/2010	EPA Performance Standards for Confined Disposal Facilities for the Portland Harbor Feasibility Study (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100009355	05/05/2010	Responses to EPA's CDF Performance Standards Comments Dated April 23, 2010.
100009356	09/03/2009	Email Regarding LWG Response to EPA Comments on Pre-Feasibility Study Treatment Technologies Table.
100009357	09/03/2009	LOWER WILLAMETTE GROUP REPONSES TO EPA'S JULY 9, 2009 COMMENTS ON THE PRE-FEASIBILITY STUDY TREATMENT TECHNOLOGIES TABLE.
100009358	05/05/2010	Email Regarding LWG Response to EPA's April 21st PRG Comments.
100009359	05/05/2010	Response to EPA PRG Comments Dated April 21, 2010 (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100009362	01/20/2010	Email Regarding LWG Total PCB Modeling Approach Memo.
100009363	01/20/2010	Total PCB Modeling Approach.
100009393	09/24/2009	Email Regarding Northwest Natural, Interim Design Report Contents and Submittal Schedule.
100009394	09/24/2009	Letter With Comments and Direction Concerning the Content and Schedule for the Interim Design Report for Source Control Measures (SCMs) Being Planned Along the Shoreline of Property Owned by NW Natural and Northern Portion of Property Owned By Siltronic.
100009416	09/29/2005	Email Regarding October 3-4 Agenda and Assignments: Thank You for Your Continued Great Work On Ecological Risk Assessment Issues.
100009417	09/29/2005	Photograph Representative of the Food Chain.
100009418	09/29/2005	Photograph Showing Conceptual Aquatic Food Web Schematic.
100009419	10/03/2005	Ecology Team Work Session Agenda (October 3-4, 2005) at the EPA/DEQ Headquarters Building, 811 SW 6th Avenue, Portland, Oregon.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009439	10/02/2007	Email Regarding NW Natural - Gasco Site Seepage Meter Deployment, Transition Zone Water (TZW), Tidal Influence Study, and Surface Water Sampling.
100009440	10/02/2007	Approval of the Final Cyanide Surface Water Field Sampling Plan for Northwest Natural Gas Company - Gasco Site, Portland, Oregon; ECSI No. 84.
100009441	10/02/2007	Approval of and Comments for Proposed Groundwater Seepage Meter Deployment Scope of Work - Gasco Site and Proposed Transition Zone Water (TZW) Tidal Influence Study Scope of Work - Gasco Site.
100009449	03/14/2014	Email regarding Portland Harbor Draft Final COCs.
100009450	03/14/2014	Final Portland Harbor COCs Table - 2014-03-14 Final PH COCs.
100009452	03/14/2014	Email regarding Portland Harbor - Updated PRGs (not final).
100009453	03/14/2014	Final Portland Harbor PRGs Table - 2014-03-14 Final PH PRGs.
100009454	03/14/2014	Portland Harbor Eco PRGs Table - 2014-03-14 Portland Harbor Eco PRGs.
100009455	03/17/2014	Email regarding Benthic Risk Areas; LWG Action Items.
100009456	03/12/2014	Draft Toxicity Model Comparison and Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 1.9 to RM 7 - FS Appx P Map 1a_additional tox model info_extra layers off.
100009457	03/12/2014	Map 1a Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 1.9 to RM 7 - FS Appx P Map 1a_wPEC_MQ.
100009458	03/12/2014	AOPCs from Map 1a Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 1.9 to RM 7 - FS Appx P Map 1a_wPEC_MQ_extra layers off.
100009459	03/12/2014	Map 1a Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 1.9 to RM 7 - FS Appx P Map 1a_wPEL_MQ.
100009460	03/12/2014	AOPCs from Map 1a Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 1.9 to RM 7 - FS Appx P Map 1a_wPEL_MQ_extra layers off.
100009461	03/12/2014	Map 1b Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 7 to RM 11.8 - FS Appx P Map 1b_wPEC_MQ.
100009462	03/12/2014	AOPCs from Map 1b Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 7 to RM 11.8 - FS Appx P Map 1b_wPEC_MQ_extra layers off.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009455	03/17/2014	Email regarding Benthic Risk Areas; LWG Action Items.
100009463	03/12/2014	Map 1b Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 7 to RM 11.8 - FS Appx P Map 1b_wPEL_MQ.
100009464	03/12/2014	AOPCs from Map 1b Portland Harbor RI/FS Comprehensive Benthic Risk Areas Recommended for Evaluation in the Feasibility Study RM 7 to RM 11.8 - FS Appx P Map 1b_wPEL_MQ_extra layers off.
100009466	03/18/2014	Email regarding updated spreadsheet.
100009467	03/03/2014	Portland Harbor Direct Contact PRGs - Portland Harbor Direct Contact PRGs 3-3-14b.
100009469	03/28/2014	Email regarding Portland Harbor - EPA Presentation From March 27 Meeting.
100009470	03/27/2014	Portland Harbor Feasibility Study EPA LWG Meeting – Development of Sediment Decision Units - EPA_LWG_Meeting_20140327v3.
100009472	04/04/2014	Email regarding Principle Threat Material Memo.
100009473	04/23/2014	DRAFT List of Unresolved COC and PRG Issues - Draft List of PRG Outsanding Issues 042314 .
100009499	04/11/2014	Email regarding Portland Harbor COCs and PRGs.
100009500	04/09/2014	Development of cPAH PRG for shellfish and fish consumption (RAO 2) - 2014-04-11 Development of cPAH PRG.
100009501	04/11/2014	Portland Harbor Final COCs - 2014-04-11 Final PH COCs.
100009502	04/11/2014	Portland Harbor Final PRGs Table - 2014-04-11 Final PH PRGs.
100009533	04/11/2014	Portland Harbor Eco PRGs Table - 2014-04-11 Portland Harbor Eco PRGs.
100009534	04/11/2014	Portland Harbor HH PRGs Table - 2014-04-11 Portland Harbor HH PRGs.
100009506	10/13/2005	Email Regarding October 17 Ecological Team Agenda in Centralia.
100009507	10/17/2005	Ecological Team Meeting Session Agenda at the McMenamins Olympic Club Hotel, 112 North Tower Avenue, Centralia, Washington 98531.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009506	10/13/2005	Email Regarding October 17 Ecological Team Agenda in Centralia.
100009508	10/13/2005	Draft Memorandum: Benthic Interpretive Approach for the Lower Willamette River Ecological Risk Assessment.
100009519	10/20/2005	Email Regarding Agenda and Assignments for Our October 24-25 Meeting In Seattle.
100009520	10/20/2005	Table With Ecology Team Comments On the LWG's Proposed Assessment Endpoint Table, Including Changes to the Table, Justification, and Data Needs.
100009521	10/17/2005	Eco Team Data Needs Table (Draft - Work In Progress).
100009522	10/24/2005	Agenda for Ecological Team Work Session (October 24-25, 2005).
100009523	10/25/2005	Proposed Management Objectives for the Phenyl Group (PH) Programmatic Work Plan.
100009536	04/14/2014	Email regarding Review of the EPA draft memo on identifying principal waste threats.
100009537	04/08/2014	Memorandum regarding Comments on the Memorandum: Identification of Principal Threat Waste at the Portland Harbor Superfund Site - 140408_Principal_Threat_Wastes_Comments.
100009544	05/02/2014	Email regarding Suggestions for Technology Screening Revisions Draft.
100009545	04/30/2014	Draft LWG Suggestions for Revisions to EPA's Technology Screening Approach - Suggestions for Technology Screening Revisions Draft 050214r.
100009550	05/15/2014	Email regarding LWG Action Items on T4 CDF Information.
100009551	05/14/2014	Confined Disposal Facility Analysis Action Items from May 8, 2014 EPA/LWG Technical Feasibility Study Meeting - CDF Follow Up Information 051414.
100009554	05/21/2014	Email regarding Portland Harbor ARARs.
100009557	09/24/2009	Possible Interpretations of EPA's Potential ARARs for Discussion - 10-611311.
100009558	09/24/2009	Email regarding LWG Possible Interpretations of EPA's Potential ARARs for Discussion - For September 25th ARARs Meeting.
100009559	07/14/2010	ARARs Table - 10-613083.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009554	05/21/2014	Email regarding Portland Harbor ARARs.
100009560	09/23/2009	Questions Regarding ARARs Potentially Proposed by EPA - 10-613713.
100009561	01/04/2010	Email regarding ARAR comments -- Table 1.
100009562	06/12/2009	Email regarding Portland Harbor ARARs.
100009565	05/23/2014	Email regarding Revised FS Discussions Action Item - Constructability Review Technology Assignments.
100009566	05/21/2014	Constructability Review of EPA Preferred Technology Areas - Constructability Review 5-21-14.
100009611	03/16/2010	Email Regarding March 18th Performance Standards for CDFs Conference Call - Agenda and Table.
100009612	03/16/2010	CDF Performance Standards Table.
100009617	10/20/2005	Email Regarding Phenyl Group (PH) Management Objectives.
100009618	10/25/2005	Proposed Management Objectives for the PH Programmatic Work Plan.
100009623	02/19/2010	Email Regarding Evaluation of Ecological and Human Health Risk Lines of Evidence for Use in the FS.
100009624	02/19/2010	Draft Evaluation of Ecological Risk Lines of Evidence for Use in the Feasibility Study.
100009625	02/19/2010	Draft Evaluation of Human Health Risk Lines of Evidence for Use in the Feasibility Study.
100009626	10/28/2010	Email Regarding Evaluation of TBT Risk to Fish in Portland Harbor Technical Memorandum.
100009627	10/28/2010	Memorandum Regarding Evaluation of TBT Risk to Fish in Portland Harbor.
100009633	05/07/2010	Email Regarding 100507 Portland Harbor Notices - Port of Portland.
100009634	05/07/2010	Presentation Slides Regarding Terminal 5.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009636	03/26/2009	Email Regarding ARARs and Points of Compliance Table.
100009637	03/26/2009	Table 2 - Proposed Numeric Levels and Points of Compliance Related to Action Specific Applicable or Relevant and Appropriate Requirements for the Portland Harbor FS Alternatives Analysis.
100009639	09/09/2009	Email Regarding August 2009 Portland Harbor Monthly Progress Report.
100009640	09/09/2009	Letter Regarding Monthly Progress Report for August 2009.
100009647	03/17/2010	Email Regarding Portland Harbor Degradation Rate History.
100009648	03/17/2010	Degradation half lives for select chemicals in soils, sediments, and surface waters.
100009662	12/09/2009	Email Regarding QEA Fate Calibration and Sensitivity Analysis Parameters Memo.
100009663	12/09/2009	QEA Fate Calibration and Sensitivity Analysis Parameters.
100009676	12/10/2009	Email Regarding November 2009 Portland Harbor Monthly Progress Report.
100009677	12/10/2009	Lower Willamette River, Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240 Monthly Progress Report for November 2009.
100009694	12/09/2010	Email Regarding December 14th FS Check In Meeting Presentations (email 2 of 3).
100009695	12/14/2010	Disposal Site Screening Evaluation.
100009696	12/09/2010	Email Regarding December 14th FS Check In Meeting Presentations (email 3 of 3).
100009697	12/14/2010	Preliminary Capping Chemical Isolation Evaluation.
100009703	05/28/2014	Email regarding SubSMA Technology Assignments Map with Bathymetry Added.
100009704	05/27/2014	Figure 1a-k Portland Harbor RI/FS Draft Feasibility Study EPA Preferred Technology Analysis - AQ_EPAScoring_PreferredTech_Mapbook.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009706	06/02/2014	Email regarding Example Cross Sections EPA's Technology Assignments.
100009707	06/02/2014	Figure 2a-i Portland Harbor RI/FS Draft Feasibility Study EPA Preferred Technology Analysis Conceptual Cross Section A-A' - SMA 1 - Example Cross Sections EPA Tech Assign 060214.
100009708	05/30/2014	Figure 1a-i Portland Harbor RI/FS Draft Feasibility Study EPA Preferred Technology Analysis Cross Section Location SMA 1A - Example Plan View EPA Tech Assign 060214.
100009709	06/02/2014	Email regarding Action Item 3 - Two Layer Map Draft FS and EPA SMAs.
100009710	06/02/2014	Figures 1-5 Portland Harbor RI/FS Comparison of Overall Draft FS Alternative - AQ_RALonlyComparison_20140530.
100009711	06/04/2014	Email regarding Comparison of EPA and Draft FS SMA approaches.
100009712	06/04/2014	Portland Harbor RI/FS Table 1: Overall Summary by Sediment Management Area Changes Based on Draft FS and EPA RALs - Comparison of RAL SMA Areas EPA vs DraftFS 060314.
100009713	06/04/2014	Portland Harbor RI/FS Table 1: Overall Summary by Sediment Management Area Changes Based on Draft FS and EPA RALs - Comparison of RAL SMA Areas EPA vs DraftFS 0603141.
100009715	06/10/2014	Email regarding Latest version of the COC table.
100009716	06/09/2014	Portland Harbor Final COCs Table - 2014-06-09 Final PH COCs.
100009719	06/17/2014	Email regarding Comparison of EPA and Draft FS SMA approaches.
100009720	06/17/2014	Portland Harbor RI/FS Table 1. Acreages Added, Removed, or Unchanged by EPA's RAL Maps as Compared to Draft FS RAL Maps by Cause - ComparisonOfAllISMAPParameters_EPAvsFS_17 Jun14.
100009721	06/19/2014	Email regarding Five Tribe FS Section 1 comments.
100009722	02/14/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - 2014-06-02 FS Section 1_Rev 5Tribes edits 19June2014.
100009723	06/23/2014	Email regarding Comments on draft FS Introduction.
100009724	06/20/2014	Memorandum regarding Comments on Draft Introduction to the Portland Harbor Feasibility Study - 140620 Draft FS Introduction.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009725	06/26/2014	Email regarding Revisions to Portland Harbor FS Section 1.
100009726	02/14/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - 2014-06-02 Portland Harbor FS Section 1_Rev 1DEQ comments.
100009727	06/26/2014	Email regarding CDF Analysis of Action Items from June 16, 2014 EPA/LWG Call.
100009728	06/26/2014	CDF Analysis Action Items from June 16, 2014 EPA/LWG Call - June 16 2014 CDF Follow Up_2014-06-26.
100009729	07/03/2014	Email regarding Updated Technology Screening Maps, Cross Sections, and Depth of Impact Maps.
100009730	07/03/2014	Figures 1-1-11 Portland Harbor RI/FS Removal Depths And Threshold Exceedances - AQ_DepthOfImpact_SMA01.
100009731	07/03/2014	Figure 1-1-11 Portland Harbor RI/FS Removal Depths And Threshold Exceedances - AQ_DepthOfImpact_SMA09U.
100009732	07/03/2014	Figures 1-1-11 Portland Harbor RI/FS Removal Depths And Threshold Exceedances - AQ_DepthOfImpact_SMA14.
100009733	06/20/2014	Figures 1a-2i Portland Harbor RI/FS Draft Feasibility Study EPA Preferred Technology Analysis - Figure Set 1 and 2 EPA Technology Screening 7-2-2014.
100009734	07/07/2014	Email regarding Latest draft of the Portland Harbor Superfund Site ARARs.
100009735	07/07/2014	Portland Harbor Table 2.2-4 ARARs - Copy of Table 2 2-4_ARARs_2014-07-01 (2).
100009736	07/08/2014	Email regarding Portland Harbor FS Section 1.
100009737	07/08/2014	Letter regarding Modifications to the Feasibility Study Report (Section 1) dated March 30, 2012 - 2014-07-08 EPA Comment Letter on 2012 FS Report Section 1.
100009738	02/07/2014	Table 1 - Feasibility Study List of Proposed Figures - 2014-07-08 FS Outline - List of Figures.
100009739	07/08/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1- 2014-07-08 Portland Harbor FS Section 1.
100009740	07/08/2014	Email regarding Total PAH RAL Curves from FS database.
100009741	07/01/2014	RAL Conversion Graphs - RALconversions.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009742	07/10/2014	Email regarding 5 Tribe review of FS Appendix A - PRG development.
100009743	07/10/2014	Tribal Comments on Appendix A1 - Appendix A1 - 5Tribes comments 10July2014.
100009744	07/10/2014	Technical memorandum regarding Review of draft of Portland Harbor Feasibility Study Appendix A – Derivation of Risk-Based PRGs, June 16, 2014 - FS Appendix A 5Tribes comments 10July2014.
100009745	07/08/2014	Feasibility Study Appendix A - Ecological Risk Based Threshold (RBT) Derivation - RBT Derivaton_TG_jk_rev3 - 5Tribes comments 10July2014.
100009746	07/10/2014	Email regarding Response to EPA's Questions about Transload and Disposal Options.
100009747	07/10/2014	EPA Requested Information on Off-Site Transload and Barge Transport Costs - Response_to_EPA_Trans-Disposal_Questions 071014.
100009762	09/02/2009	Email Regarding Draft BERA posted for EPA.
100009763	01/03/2007	Email regarding Preliminary Screening for Bioaccumulative Compounds.
100009775	03/20/2008	Email Regarding draft RI Table of Contents for today's discussion.
100009776	03/19/2008	PH Project Schedule/Roadblocks.
100009777	03/16/2006	Email Regarding Ecological Risk Assessment Framework.
100009778	03/15/2006	PROPOSED ECOLOGICAL RISK ASSESSMENT DECISION FRAMEWORK.
100009803	10/22/2009	Email Regarding Zidell Site Cleanup.
100009804	10/09/2009	Comments On the Proposed Cleanup Project at the Zidell Site On the Willamette River: Current Proposal Entails Capping Most of the Sediment Management Area With a Sand and Riprap Cap Along With Some Vegetation Along the Bank.
100009813	10/22/2009	Email Regarding ZRZ Remediation Project; Mention of Attachment Outlining Our Thoughts About Your Recommendations and Some Additional Information for Discussion.
100009814	10/17/2009	Table From Draft Biological Assessment (October 2009): ZRZ Waterfront Remediation Project.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009813	10/22/2009	Email Regarding ZRZ Remediation Project; Mention of Attachment Outlining Our Thoughts About Your Recommendations and Some Additional Information for Discussion.
100009815	10/19/2009	Response to NMFS Letter of 10/9/2009 Regarding ZRZ Realty Company Remedial Action Project On the Willamette River.
100009818	10/28/2005	Email Regarding Agenda for Our November 1-2 Eco Team Work Session In Portland, Oregon.
100009819	10/17/2005	Spreadsheet: Data Needs Table.JB Revisions; Portland Harbor EcoTeam Data Needs Table (Original Spreadsheet in Excel Format Attached).
100009820	10/25/2005	Notes of Eco Team Work Session: Review of Revised Conceptual Site Model (CSM) and Pathway Determinations for the Completeness and Significance of Each Pathway to the Receptors of Concern.
100009821	11/02/2005	Eco Team Work Session Agenda (November 1-2, 2005) at Dept. of Environmental Quality (DEQ) Northwest Region Office, Portland, Oregon.
100009869	10/31/2005	Email Regarding Updated Scheduler: It Looks Like November 29-30 and December 13-14 May Work As Potential Meeting Dates for Us.
100009870	10/26/2005	Spreadsheet With Eco Sub Group Calendars102605 Master RN (Original Spreadsheet In Excel Format Attached).
100009912	11/04/2005	Email Regarding Agenda for Monday's Eco Team Work Session, Which Will Be Held at DEQ's Northwest Region Office.
100009913	11/03/2005	Final Draft Ecological Risk Assessment Conceptual Site Model (CSM) for the Portland Harbor Superfund Site (Original Spreadsheet In Excel Format Attached).
100009914	11/07/2005	Eco Team Work Session Agenda: Dept. of Environmental Quality (DEQ) Northwest Region Office In Portland, Oregon.
100009940	10/14/2009	Email Regarding Errata: Draft BHHRA Table 2-14.
100009941	10/14/2009	Draft BHHRA Appendix F, TABLE 2-14 - Occurrence, Distribution, and Selection of Chemicals of Potential Concern.
100009944	06/26/2008	Email Regarding Indicator Chemical List Memo - for transmittal to EPA.
100009945	06/26/2008	LWG INDICATOR CHEMICAL LIST MEMORANDUM.
100009949	07/25/2008	Email Regarding LWG Response to EPA Comments on Upland Source Table.
100009950	07/25/2008	LWG Response to January 15, 2008 EPA Comments 127-175.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009949	07/25/2008	Email Regarding LWG Response to EPA Comments on Upland Source Table.
100009951	07/25/2008	RI/FS Table 5.1-2: Upland Site Pathway Assessment Summary.
100009952	03/31/2009	Email Regarding LWG response to EPA RAOs.
100009953	03/30/2009	DRAFT LWG Response and Clarifying Edits to EPA's Draft Remedial Action Objectives for the Portland Harbor Site.
100009954	09/23/2009	Email Regarding LWG submittal of Draft Portland Harbor Baseline Human Health Risk Assessment.
100009955	09/23/2009	Letter Regarding Submittal of Draft Baseline Human Health Risk Assessment.
100009958	06/19/2008	Email Regarding Proposed subsurface sediment to surface sediment loading approach.
100009959	06/18/2008	PROPOSED LWG APPROACH FOR ANALYZING POTENTIAL ADVECTIVE LOADING FROM SUBSURFACE SEDIMENT TO SURFACE SEDIMENT.
100009960	04/15/2009	Email Regarding Provision of "interim" HHRA info to EPA.
100009961	04/15/2009	Remedial Investigation: BHHRA Appendix F - Table 3-26 through 3-33.
100009962	04/15/2009	Remedial Investigation: BHHRA Appendix F - Table 3-2 through 3-25.
100009963	04/15/2009	Remedial Investigation: BHHRA Appendix F - Table 4-1 through 4-3.
100009964	04/01/2009	Email Regarding RAOs Meeting Hand Out.
100009965	04/01/2009	Draft RAOs Precepts Consistent with Guidance.
100009967	04/25/2008	Email Regarding RI/RA Issues Resolution Table.
100009968	04/24/2008	Table of Draft Resolutions of RI and RA Issues.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100009980	07/10/2014	Email regarding Responses to EPA Dredge Depth Memo.
100009981	07/09/2014	Draft LWG Reponses to EPA's Proposed Dredge Depth Approach for the Revised Feasibility Study - Responses to EPA's Draft Dredge Depth Memo_070914.
100009989	07/15/2014	Email regarding Portland Harbor FS: Depth of Impact - Work Product Request.
100009990	07/08/2014	Reach Q Segment 2 Map and Graphs - BuriedDeposit_Depiction.
100009991	03/27/2014	Map of SDUs with Key RALs designated - Sediment Decision Units - SDUs and Primary COCs.
100009998	07/24/2014	Email regarding Example of high concentration spots.
100009999	11/05/2015	Example of contaminant hot spots maps - Example of contaminant hot spots.
100010002	07/29/2014	Email regarding Portland Harbor Action Items from July 24 FS Section 1 Call.
100010003	07/29/2014	Portland Harbor PRGs Tables 2.2 - Table 2 2-16_Final PH PRGs.
100010005	08/01/2014	Email regarding Updated Information re Manganese Aquatic Toxicity.
100010006	08/01/2014	Memorandum regarding Derivation of Proposed Manganese PRG to Replace the Suter and Tsao (1996) Tier II Value in the Portland Harbor Feasibility Study - Hardness-based Mn Criterion Memo_01 August 2014.
100010007	08/07/2014	Email regarding Principal Threat Waste Response.
100010008	08/07/2014	LWG Response to EPA's Principal Threat Waste Approach - 2014_08_07_Principal Threat Waste Response.
100010009	08/07/2014	Email regarding Equilibrium Estimates Memorandum.
100010010	08/07/2014	Sediment Equilibrium Estimates for the Revised Feasibility Study - 2014-08-07_Equilibrium Estimates Memo.
100010043	11/06/2006	Email Regarding Confirmation of November 8 Meeting Concerning Stormwater Sampling Methodologies.
100010044	11/06/2006	Draft Statement of Purpose for the Stormwater Sampling Methodology Workgroup.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010043	11/06/2006	Email Regarding Confirmation of November 8 Meeting Concerning Stormwater Sampling Methodologies.
100010045	11/06/2006	Table of T-4 Sampling Methodology With Objective, Loading Calculation, Sampling Method, and Approach.
100010077	08/13/2014	Email regarding Draft List of Information for Section 3 FS Issues.
100010078	08/13/2014	Draft List Information for Section 3 FS Issues - Draft List of Information for Section 3 FS Issues 13 Aug 14.
100010079	08/14/2014	Email regarding LWG Draft Section 1 FS Edits.
100010080	08/12/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - 2014-08-12 Combined LWG Edits Portland Harbor FS Section 1.
100010081	08/22/2014	Email regarding Portland Harbor Superfund Site / Northwest Pipe Company Modifications to Feasibility Study Report.
100010082	08/22/2014	Letter regarding Modifications to the Feasibility Study Report (Section 1) - 880817.
100010083	08/25/2014	Email regarding Portland Harbor FS Section 1.
100010084	02/07/2014	Table 1 - Feasibility Study List of Proposed Figures - 2014-07-08 FS Outline - List of Figures.
100010085	02/07/2014	Table 1 - Feasibility Study List of Proposed Tables - FS Outline - List of Tables.
100010086	08/12/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - koch2_2014-08-12 Combined LWG Edits Portland Harbor FS Section 1.
100010088	08/26/2014	Email regarding Comments on PH draft FS Section 2.
100010089	08/25/2014	Memorandum regarding Comments on Draft Section 2 of the Portland Harbor Feasibility Study - 140825 Draft FS Section 2.
100010090	08/27/2014	Email regarding FS Section 2 comments.
100010091	08/18/2014	Appendix A1 Section 1 Tribal comments - Appendix A1_8_18_14_5Tribe comments 2014-08-27.
100010092	07/11/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 2 - Portland Harbor FS Section 2_5Tribe comments 2014-08-27.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010093	08/29/2014	Email regarding Portland Harbor FS Section 1 - BCS Comments.
100010094	08/29/2014	Letter regarding suggested edits to Section 1.0 of EPA's Draft Feasibility Study - Final Letter to Kristine Koch 08-29-14.
100010096	08/28/2014	Email regarding FS Section 2 Appendices A2 and B comments.
100010097	07/15/2014	Feasibility Study Appendix A2 - Ecological Risk Based Preliminary Remediation Goal (PRG) Derivation - Appendix A2 BKS revision 071514_5Tribe comments 8.27.2014.
100010098	08/08/2014	Portland Harbor RI/FS Appendix B - Appendix B_FWM Description_REV 1_5Tribe comments 8.27.2014.
100010099	08/27/2014	Figure B -1 - FWM Description Figure B-1_5Tribe comments 8.27.2014.
100010100	08/27/2014	Table B-3: Arnot & Gobas Equations - FWM Description Table B-3_5Tribe comments 8.27.2014.
100010101	08/29/2014	Email regarding LWG Comments on Revised FS Section 1.
100010102	08/29/2014	LWG Comments on EPA's Feasibility Study Draft Section 1 Text - 2014-08-29 LWG Comments FS Section 1.
100010103	08/29/2014	Letter regarding LWG Comments on Revised FS Section 1 - 2014-08-29 Cover letter LWG Comments on Revised FS Section 1.
100010104	08/02/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 Edits - Combined LWG Edits Portland Harbor FS Section 1 8-28-2014.
100010105	09/03/2014	Email regarding Comments on draft FS Appendix A-2.
100010106	08/26/2014	Memorandum regarding Comments on Draft Appendix A-2 of Section 2 of the Portland Harbor Feasibility Study - 140826 Draft FS Section Appendix A-2.
100010107	09/03/2014	Email regarding Draft Residual Risk Assessment Approach for the Revised FS.
100010108	09/03/2014	Portland Harbor Residual Risk Assessment Approach - LWG - Draft Residual Risk Assessment Approach_9-3-2014.
100010109	09/04/2014	Email regarding ARARs related to Removal-Fill Program for PDX Harbor.
100010110	09/04/2014	Feasibility Study Appendix A2 - Ecological Risk Based Preliminary Remediation Goal (PRG) Derivation - Appendix A2 ecological PRGs BKS revision 071514).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010109	09/04/2014	Email regarding ARARs related to Removal-Fill Program for PDX Harbor.
100010111	09/04/2014	Letter regarding Portland Harbor Feasibility Study Draft Section 2, DEQ Review Comments - PdxHarborFS-Section2.
100010112	07/11/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 2 - Portland Harbor FS Section 2-DEQ Comments.
100010115	09/19/2014	Email regarding Portland Harbor - natural recovery areas.
100010116	09/16/2014	Portland Harbor Site Depositional Areas - PortHarborSiteDepositionalAreas.
100010174	04/15/2009	Email Regarding LWG Responses: Status of RI/FS Technical Issues.
100010151	04/15/2009	OUTSTANDING PORTLAND HARBOR RI/FS ISSUES - STATUS AS OF 4/15/2009.
100010241	11/18/2010	Email Regarding General Responses to EPA's Non-Directive Comment Key Issues on the RI (Remedial Investigation, BERA (Baseline Ecological Risk Assessment) and BHHRA (Baseline Human Health Risk Assessment)).
100010242	11/18/2010	General Responses to EPA's Non-Directive Comment Key Issues on the Baseline Human Health Risk Assessment - November 18, 20102010_11_18 NonDirective Comment Responses for BHHRA.
100010244	05/18/2006	Email regarding Steps in PH Stormwater Evaluation.
100010246	05/01/2006	Steps in Portland Harbor Stormwater Evaluation.
100010248	05/20/2008	Email regarding SDD Methodology Part 2.
100010234	04/12/2006	Memorandum regarding Species Sensitivity Distribution Tissue Screening Levels.
100010235	04/11/2006	278702700 DDT CBCs.
100010250		All Chemicals V3.
100010252	05/20/2008	Email regarding SSDs Part 3.
100010254	04/12/2006	Table 1: NOER/LOER Database Summary - Fish Tissue Screening Level Development.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010252	05/20/2008	Email regarding SSDs Part 3.
100010258	06/01/2006	Email regarding CTL Info.
100010263	12/08/2010	Letter Regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; General Responses to EPA Non-Directed RI, BHHRA and BERA Comments.
100010264	12/08/2010	Attachment 1 EPA Response to Non-Directed Comment Resolution Tables - 2010_12_08_EPA Response Non-Directed Comment Tables.
100010265	05/06/2011	Letter Regarding EPA April 11, 2011 Comments on BHHRA Risk Tables and Calculations, Lower Willamette River, Portland Harbor Superfund Site.
100010266		LWG's (Lower Willamette Group) Response to EPA's April 11, 2011 Comments on the BHHRA Risk Tables and Calculations - 2011_05_06_Response to EPA April 11 Comments.
100010271	06/12/2007	Email regarding Stormwater Modeling Results - Materials for next Monday's meeting.
100010284	06/12/2007	Estimating Potential Impacts of Chemical Contaminants in Stormwater on Sediment and Fish in Portland harbor (Lower Willamette River, Oregon).
100010286	06/12/2007	Portland Harbor Stormwater Modeling: Summary of Results for PCB-118.
100010288	06/19/2008	Email regarding Stormwater calculation methods.
100010293	06/05/2008	Stormwater Loading Methods Meeting Summary - June 5, 2008.
100010295	06/23/2008	Email regarding Sediment/Water Contributions to Fish Tissue.
100010296		Estimating Contaminated Stormwater Impacts on Sediment and Fish in Portland Harbor (Lower Willamette River, Oregon).
100010297	06/01/2008	Estimating Contaminated Stormwater Impacts on Sediment and Fish in Portland Harbor (Lower Willamette River, Oregon) - Powerpoint Presentation.
100010298	09/17/2014	Email regarding Revised Additional CSM and FS Database Edits Portland Harbor FS Section 1.
100010299	09/17/2014	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - Additional CSM and FS database edits FS Section 1 09-17-14s.
100010300	09/17/2014	Portland Harbor RI/FS Appendix A - Appendix A - FS Sediment Database Description_edit 09-17-14.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010310	10/24/2014	Email regarding quick question.
100010311	06/15/2011	Map 5.3-1a-c Portland Harbor RI/FS Remedial Investigation Report Surface Water Sampling Locations - 2011-08-29_DF RI_Sec5.3_Map 5.3-1 a-c.
100010312	10/24/2014	Portland Harbor Surface Water Data - Portland Harbor Surface Water Data - PCBs.
100010315	10/27/2014	Email regarding Portland Harbor Food Web Model Issues.
100010316	10/27/2014	Portland Harbor Superfund Site Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report Appendix H: Food Web Model - Attachment 3, Parameterization - BruceHComments R2 App H.
100010318	01/29/2007	Email regarding PH FW model comments.
100010319	08/22/2006	Email regarding Portland Harbor FWM.
100010321	10/30/2014	Email regarding Larry Burkhard and Burt Shephard comments on Portland Harbor FWM.
100010322	07/11/2008	Review Portland Food Web Modeling Effort - Burkhard comments June 2008.
100010323	07/16/2008	EPA Comments Appendix E: Round 2 Comprehensive Site Characterization Summary and Data Gaps Report - Shephard AppendixEComments071208.
100010324	11/04/2014	Email regarding Manganese memo.
100010325	11/04/2014	Table 3. Acute-to-chronic ratios - Mn ACRs from MATC calculations 110314.
100010326	11/04/2014	Email regarding SDUs.
100010327	03/25/2014	Key RALs by SDU - Key_RALS_by_SDU.
100010328	11/06/2014	Email regarding Comparison of current Portland Harbor FWM internal default parameter values to original Arnot and Gobas (2004) defaults.
100010329	11/06/2014	Portland Harbor Food Web Model Internal Parameters not set at Arnot and Goba - Gobas default values for 21 FWM parameters.
100010330	11/06/2014	Gobas Food Web Model Default Values for Model Parameters - Gobas vs LWG default values for FWM parameters comparison.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010334	11/05/2014	Email regarding Portland Harbor - depositional areas/ natural recovery.
100010335	11/05/2014	Draft Response to EPA's October 21, 2014 Response to LWG Clarifications and Questions about "Natural Recovery Areas".
100010337	11/13/2014	Email regarding please confirm time of DEC 8 PH execs meeting. thx! eom.
100010413	10/23/2014	LWG/EPA Senior Managers Meeting - Notes for LWG EPA Sr Mgr Meeting 10.23.2014.
100010342	06/28/2006	Email regarding Water Screening Level Comments.
100010343	03/01/2005	Table 33A: Water Quality Criteria Summary.
100010345	02/15/2005	Toxics Criteria Table.
100010353	06/28/2006	Email regarding Water Screening Level Comments.
100010354	06/28/2006	Memorandum regarding Table 1, Selected acute and chronic ecological screening levels (Eco SLs) for chemicals in water, Revised Draft, May 25, 2006.
100010357	02/25/2004	Memorandum regarding Development of Perchlorate Ecological Screening Criterion for Aquatic Life.
100010365	08/01/2013	Letter Regarding EPA Response to The Lower Willamette Group's Notice of Objection to and Request for Dispute Resolution for Payment of Stipulated Penalties For Baseline Human Health Risk Assessment and Request for Determination, 07/12/2013.
100010366		EPA Response to 07/12/2013 Lower Willamette Group's Notice of Objection to and Request for Dispute Resolution for Payment of Stipulated Penalties - 2013-08-01 Final EPA Response to LWG dispute statement.
100010373	11/07/2014	Email Regarding Follow-Up to LWG's October 14, 2014 Letter to Rick Albright, Attached LWG Documented Corrections to Incorrect Factual Assertions in EPA's October 3, 2014 Response to the LWG's Request for Dispute Resolution.
100010372	11/07/2014	Letter Regarding Documented Corrections to Incorrect Factual Assertions in EPA's 10/03/2014 Response to the LWG's Request for Dispute Resolution Concerning Background, Section 7 of the Draft RI - LWG Doc Corrections to Assertions in EPA Dispute Resp.
100010376	12/18/2014	Email Regarding List of Portland Harbor RI (Remedial Investigation) Data Reports for Rounds 1, 2 and 3 Data.
100010375	12/18/2014	List of Portland Harbor RI (Remedial Investigation) Data Reports for Rounds 1, 2 and 3 Data - List of Portland Harbor RI Data Reports_12-18-14.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010391	07/23/2007	Email regarding Updated Joint Source Control Screening Level Values.
100010404	07/16/2007	Table 3-1: Screening Level Values for Soil/Stormwater Sediment, Stormwater, Groundwater, and Surface Water.
100010404	07/16/2007	Table 3-1: Screening Level Values for Soil/Stormwater Sediment, Stormwater, Groundwater, and Surface Water.
100010409	07/16/2007	Footnotes to Table 3-1: Screening Level Values for Soil/Stormwater Sediment, Stormwater, Groundwater, and Surface Water.
100010414	11/25/2014	Email regarding Final Memorandum: Hardness-Based Chronic and Acute Manganese Ecological PRGs for Water.
100010415	11/25/2014	Derivation of Final Manganese PRG to Replace the Suter and Tsao (1996) Tier II Value in the Portland Harbor Feasibility Study - Hardness-based Mn Criterion Memo_FINAL_25 November 2014.
100010417	12/03/2014	Email regarding draft of manuscript.
100010418	12/03/2014	Microbial dechlorination of polychlorinated biphenyls, dibenzo-p-dioxins, and -furans in groundwater at Portland Harbor - Portland Groundwater for release to EPA.
100010419	12/03/2014	Microbial dechlorination of polychlorinated biphenyls, dibenzo-p-dioxins, and -furans in groundwater atPortland Harbor - supp info for release to EPA.
100010420	12/08/2014	Email regarding 2014-11-26 FS Revision Process Final Draft Revision pmd.docx.
100010421	11/26/2014	Portland Harbor Superfund Site Revision Process for Feasibility Study - 2014-11-26 FS Revision Process Final Draft Revision pmd.
100010425	12/11/2014	Email regarding FS Sec. 2 App B-2 (YN).
100010426	08/26/2014	Memorandum regarding Comments on Draft Appendix A-2 of Section 2 of the Portland Harbor Feasibility Study - 140826 Draft FS Section Appendix A-2.
100010430	12/12/2014	Email regarding FS process revisions.
100010431	12/12/2014	Revision Process for Final FS - 2014-12-12 FS Revision Process Diagram Revision.
100010432	12/12/2014	Portland Harbor Superfund Site Revision Process for Feasibility Study - 2014-12-12 FS Revision Process Final Draft.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100010433	12/16/2014	Email regarding Portland Harbor - Core Profile Maps.
100010434	07/27/2011	Feasibility Study Key Elements RAL & Alternatives - 10-663228.
100010435	07/27/2011	Email regarding EPA Proposed Revised Comments Regarding FS Alternatives and RALs.
100010436	07/08/2014	Email regarding Total PAH RAL Curves from FS database.
100010439	08/12/2009	Email regarding Siltronic, EIB Performance/Effectiveness Plan Comments.
100010446	08/12/2009	Letter regarding Enhanced In-Situ Bioremediation Performance/Effectiveness Plan, Siltronic Corporation, Portland, Oregon, ECSI No. 183.
100010448	08/22/2006	Email regarding Stormwater Strategy Update.
100010441	08/21/2006	Evaluating Stormwater in the Context of the Portland Harbor RI/FS.
100010466	09/20/2006	Email regarding Stormwater Strategy Meeting tomorrow (9/21).
100010481	08/24/2006	Stormwater Modeling Using the Fate and transport Model - Initial Model Runs.
100010472	10/12/2009	Email Regarding September 2009 Portland Harbor Monthly Progress Report.
100010513	10/12/2009	Letter Regarding Monthly Progress Report for September 2009.
100010485	10/02/2008	Email regarding Round 3 Detection Limits - Fish Tissue.
100010487		Spreadsheet showing the detection limits for PCB 126 for smallmouth bass.
100010490	12/18/2014	Email regarding Portland Harbor - Draft Final FS Section 1 and Appendix A.
100010491	02/07/2014	Table 1 - Feasibility Study List of Proposed Figures - 2014-12-02 FS Section 1 - List of Figures.
100010492	02/07/2014	Table 1 - Feasibility Study List of Proposed Tables - 2014-12-02 FS Section 1- List of Tables.

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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100010490	12/18/2014	Email regarding Portland Harbor - Draft Final FS Section 1 and Appendix A.
100010493	10/14/2014	Portland Harbor RI/FS Appendix A - 2014-12-02 Proposed Final Portland Harbor FS Appendix A.
100010494	10/07/2014	Portland Harbor RI/FS Draft Final Feasibility Study Report Section 1 - 2014-12-02 Proposed Final Portland Harbor FS Section 1.
100010501	10/13/2005	Email regarding Request for Bruce Hope's assistance.
100010503		Letter requesting assistance from Bruce Hope of Oregon DEQ on the Portland Harbor food web modeling effort.
100010507	10/28/2005	Email regarding Revised CSM.
100010519	10/28/2005	Draft Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100010514	04/02/2010	Email Regarding site-specific SQGs based on individual bioassay endpoints.
100010515	04/02/2010	DRAFT SITE-SPECIFIC SQGS BASED ON INDIVIDUAL BIOASSAY ENDPOINTS.
100010526	10/28/2005	Email regarding Revised CSM.
100010533	10/25/2005	Eco Team Work Session Notes.
100010535		Draft Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100010536	11/18/2005	Email regarding SMA Data Gaps Table.
100010539		SMA Data Gap Table.
100010540	11/23/2005	Email regarding Technical recommendations for the ERA.
100010557	11/23/2005	Technical Recommendations to EPA on the Ecological Risk Assessment for Portland Harbor.
100010558		Data Needs for the Portland Harbor Ecological Risk Assessment.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100010540	11/23/2005	Email regarding Technical recommendations for the ERA.
100010560		Approach for the Ecological Risk Assessment.
100010565		Draft Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100010567		Changes to the draft Assessment Endpoint Table.
100010553	11/21/2005	Email Regarding Memorandum Showing My Draft Evaluation of Potential Risks to Infants From Consuming PCBs in Breast Milk As a Result of Material Exposure From Eating Contaminated Fish.
100010554	11/21/2005	Draft Report: Potential Risks From Consuming Breast Milk.
100010555	11/22/2006	Email Regarding Lamprey Tissue Analysis Final Proposal (Ammocoete and Macrophalmia Tissue Sampling)
100010556	11/22/2006	Spreadsheet Concerning Lamprey Ammocoete and Macrophalmia Tissue Analysis Proposal (Spreadsheet In Excel Format Attached).
100010563	11/23/2005	Email Regarding DEQ Comments On the Gasco/Siltronic Groundwater Source Control Screening Memorandum.
100010564	11/23/2005	Review of the November 17, 2005 Memorandum Regarding Preliminary Identification of Technologies for Groundwater Source Control at the Northwest Natural GASCO Site; NW Natural - Gasco/Siltronic Facilities #84 and #183.
100010569	03/13/2006	Email transmitting Portland Harbor RI/FS Technical Memorandum: Approach to Determining Background (draft).
100010586	02/27/2006	Portland Harbor RI/FS Technical Memorandum: Approach to Determining Background (draft).
100010573	11/28/2005	Email regarding Technical recommendations for the ERA.
100010570	11/23/2005	Technical Recommendations to EPA on the Ecological Risk Assessment for Portland Harbor.
100010577	11/28/2005	Email regarding Technical recommendations for the ERA.
100010585		Approach for the Ecological Risk Assessment.
100010587		Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010583	12/14/2005	Email Regarding Notes From Last Night's Managers Meeting, Which Included Reactions From the Technical Meeting and a Description of Next Steps.
100010584	12/13/2005	Notes From Portland Harbor Managers Meeting.
100010588	12/01/2005	Email regarding Rewrite of human health sections of Data Gaps memo.
100010590	12/01/2005	Identification of Round 3 Data Gaps.
100010591	12/28/2006	Email Regarding NW Natural, Offshore Final Phase I FSA Addendum and Boring GS-06.
100010592	12/28/2006	Letter Concerning Addendum 2, Final Phase 1 Field Sampling Approach for Groundwater Source Evaluation: Northwest Natural Gas Company Site, Portland, Oregon; ECSI No. 84.
100010594	12/01/2006	Email regarding Stormwater model documentation.
100010596	11/30/2006	A Rate Constant Model for Estimating Stormwater Impacts on the Lower Willamette River, Portland Harbor, Oregon.
100010598	02/02/2015	Email Regarding Revised Draft RI Section 10, Proposed Final Revisions to Sections 10.1 and 10.2 and Executive Summary.
100010377	08/29/2011	Revised Draft RI Section 10, Proposed Final Revisions to Sections 10.1 - Rev 2 EPA_2014-01-12_DF RI_Sec10 1_KK_Integral.
100010378	08/29/2011	Revised Draft RI Section 10, Proposed Final Revisions to Sections 10.2 - Rev 2 EPA_2014-01-12_DF RI_Sec10 2_ea_kk_Integral.
100010601	02/12/2015	Email Regarding LWG's (Lower Willamette Group) Comments on EPA's DRAFT RI Executive Summary and Recommended Alternative DRAFT Executive Summary.
100010599	02/12/2015	Lower Willamette Group (LWG) Executive Summary, Revised DRAFT Final Remedial Investigation Report - 2015_RI_Executive Summary.
100010600	02/12/2015	Letter Regarding EPA DRAFT Portland Harbor Remedial Investigation Report Executive Summary - 2015-02-12 Letter to EPA with RI Executive Summary.
100010611	12/02/2005	Letter Regarding Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Identification of Round 3 Data Gaps.
100010612	12/02/2005	Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Identification of Round 3 Data Gaps and Tables and Figures - 2005_12_02 email attachment; EPARound3DataGaps12-02-05.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010613	01/15/2008	Letter Regarding Comprehensive Round 2 Site Characterization and Data Gaps Analysis Report With Comments.
100010614	01/15/2008	EPA Comments on Comprehensive Round 2 Site Summary and Data Gaps Analysis Report - 2008_01_15 EPACommentsRound2Report011508_Final.
100010619	02/15/2007	Letter Regarding RI/FS (Remedial Investigation/Feasibility Study) Round 3A Field Sampling Plan, Stormwater Sampling and Portland Harbor RI/FS Round 2 Quality Assurance Project Plan, Addendum 8: Round 3A Stormwater Sampling.
100010620	02/15/2007	Letter Enclosure: Attachment A, Comments on Stormwater FSP (Field Sampline Plan) - 2007 02 15 Stormwater FSP approval letter Feb 07-Attachment A.
100010623	04/30/2008	Email Regarding TZW Status of Issues Table.
100010624	04/30/2008	Status of TZW Issues from April 16, 2008 and April 24, 2008 EPA-DEQ-LWG Meetings.
100010636	02/06/2009	Email Regarding Handout for February 9th RAOs Meeting.
100010637	02/06/2009	Water RAO and PRG Hand-Out.
100010652	12/09/2005	Email regarding Talking points for ERA on Tuesday.
100010675	12/09/2005	ERA speaking points for December 13, 2005 meeting with LWG.
100010654	12/06/2005	Email regarding Siltronic, Area 2 Dive Survey Report.
100010656	10/25/2005	Dive Survey Report - Area 2.
100010667	07/26/2006	Email transmitting a list of TZW meeting participants.
100010669	07/26/2006	Meeting Participants: Transition Zone Water Summary Presentation and Discussion.
100010668	12/10/2008	Email regarding Siltronic, revised EIB Work Plan Comments.
100010679	11/20/2008	Letter regarding Siltronic Corporation Revised Enhanced In-Situ Bioremediation Source Control Work Plan (October 20, 2008); Portland Harbor Superfund Site, Portland, Oregon.
100010680	12/10/2008	Letter regarding Revised Enhanced In-Situ Bioremediation Work Plan, Siltronic Corporation, Portland, Oregon, ECSI No. 183.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010673	11/09/2006	Email transmitting LWG technical review of SQV for TPH.
100010676	11/03/2006	A Review of Proposed TPH Sediment Quality Values and an Alternative Method to Define Hydrocarbon Values for Portland Harbor.
100010689	12/27/2006	Email regarding Updated site list.
100010692	12/27/2006	Stormwater Sampling Sites as agreed to at 12-22 PH Mgr Mtg.
100010694	12/11/2006	Email regarding Tasks related to evaluating risks to fish themselves.
100010696		Fish Dietary and Tissue Residue Analysis (for analysis of risk to fish themselves).
100010704	12/01/2006	Email transmitting revised stormwater outfall summary table.
100010717	11/30/2006	Storm Water Outfall Summary: Outfalls Targeted for 2006/2007 Water Year (draft).
100010773	02/09/2007	Email transmitting revised final draft sturgeon field sampling plan.
100010739	02/09/2007	Cover letter for Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Pre-Breeding White Sturgeon.
100010740	02/09/2007	Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Pre-Breeding Whit (Acipenser Transmontanus) Tissue (final draft).
100010794	09/28/2009	Email Regarding September 2nd HST Modeling Meeting Summary Memo.
100010795	09/28/2009	LWG HST Modeling Group Meeting on September 2, 2009.
100010817	01/14/2008	Email regarding Materials for Jan 17 stormwater mtg.
100011109		DEQ-EPA Meeting on January 17.
100011153	01/14/2007	Outline for Stormwater Strategy.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010848	01/02/2015	Email regarding Portland Harbor - Draft Final FS Section 1 and Appendix A - LWG Comments.
100010849	01/02/2015	LWG Comments on EPA's December 19, 2014, Feasibility Study Proposed Final Draft Section 1 - 2015-01-02 LWG Comments FS Section 1.
100010850	01/09/2015	Email regarding Portland Harbor - Draft Final FS Section 1 and Appendix A - LWG Comments.
100010851	11/05/2015	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - 2015_01_09 EPA responses_Combined LWG EditsFS Secti.
100010852	11/05/2015	Portland Harbor RI/FS Draft Feasibility Study Report Section 1 - 2015_01_09 EPA responses_Combined LWG EditsFS Section 1 8-28-2014.
100010853	01/09/2015	Portland Harbor RI/FS Draft Final Feasibility Study Report Section 1 - 2015-01-09 Proposed Final Portland Harbor FS Section 1.
100010854	01/09/2015	Email regarding Portland Harbor - Draft Final FS Section 1 and Appendix A - LWG Comments.
100010855	01/09/2015	Portland Harbor RI/FS Draft Final Feasibility Study Report Section 1 - 2015-01-09 Proposed Final Portland Harbor FS Section 1.
100010856	01/09/2015	Email regarding Portland Harbor RAOs.
100010857	12/12/2014	Draft Portland Harbor Remedial Action Objectives (RAOs) - 2014-12-12 Revised Draft RAOs.
100010859	01/19/2015	Email regarding references used to develop the metabolism rate coefficients for PCDD/Fs for the Portland Harbor bioaccumulation model.
100010861	05/19/2008	Supplemental Data for "A database of fish biotransformation rates for organic chemicals" Environmental Toxicology and Chemistry - Arnot et al 2008_supplementS1.
100010862	01/19/2015	Table 1. Rational for selected metabolism rate coefficients - Table 1.
100010867	01/28/2015	Email regarding Revised Schedule.
100010868	01/28/2015	2015-01-21 EPA Portland Harbor Schedule - 2015-01-28 EPA Portland Harbor Schedule.
100010869	01/29/2015	Email regarding ARARs related to Removal-Fill Program for PDX Harbor.
100010870	12/16/2014	Letter regarding Review of DSL Proposed ARARs for Portland Harbor Superfund Site submitted by Lore Bensel - Response to DSL ARARs 121614.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100010869	01/29/2015	Email regarding ARARs related to Removal-Fill Program for PDX Harbor.
100010871	01/29/2015	Table 2.2-3a-c - Revised DSL ARARs Table 2 2-03_ARARs 121614.
100010876	02/12/2015	Email regarding LWG Comments Regarding EPA Proposed Final FS Section 1.
100010877	02/11/2015	Portland Harbor RI/FS Draft Final Feasibility Study Report Edits Section 1 - 2015-02-11 LWG Redlines and Comments.
100010878	02/12/2015	Letter regarding EPA Proposed Final Feasibility Study Section 1 - 2015-02-12 Letter to EPA Regarding EPA FS Section 1.
100010881	02/17/2015	Email regarding Portland Harbor LWG FS Cost Backup.
100010882	10/10/2013	Portland Harbor RI/FS Additional Cost Backup Draft Feasibility Study Response to EPA Cost Comments - Cost Estimate Backup.
100010893	11/03/2008	Letter Regarding EPA Approval of the RI/FS (Remedial Investigation/Feasibility Study) Stormwater Loading Calculation Methods With Contingencies (With Enclosures).
100010894	11/03/2008	Letter Enclosure A: Comments on Stormwater Loading Calculation Method - 2008 11 03 Stormwater Loading Approval Letter Nov 08-Enclosure A.
100010895	11/03/2008	Letter Enclosure B: Stormwater Loading Calculation Check-In Points - 2008 11 03 Stormwater Loading Approval Letter Nov 08-Enclosure B.
100010903	12/08/2010	Letter Regarding General Responses to EPA Non-Directed RI (Remedial Investigation), BHHRA (Baseline Human Health Risk Assessment) and BERA (Baseline Ecological Risk Assessment) Comments.
100010904	12/08/2010	EPA Response to Non-Directed Comment Resoulution Tables.
100010922	09/16/2005	Email regarding Gasco/Siltronic Source Control.
100011014	09/15/2005	Letter regarding Source Control: Northwest Natural - GASCO Facility & Siltronic Facility.
100011015	09/06/2005	Email regarding Agenda and Assignment for Thursday's MOU meeting.
100011028	09/08/2005	Portland Harbor MOU Meeting Agenda, September 8, 2005.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100011018	09/16/2005	Email regarding Gasco Meeting Decisions and Response to Source Control Letters.
100011031	09/09/2005	Letter regarding Meeting Decisions and Response to Source Control Letters.
100011020	09/22/2005	Email regarding Eco Team notes and assignments.
100011034	09/19/2005	Eco Team Work Session - notes.
100011036	11/17/2006	Email Regarding LWG Letter on Extension of Dispute Resolution Period.
100011037	11/17/2006	Letter Regarding Site 108T, Portland Harbor RI/FS.
100011038	06/11/2008	Email Regarding LWG Letter on Osprey DQOs.
100011039	06/11/2008	Letter Regarding May 23, 2008 Data Quality Objectives for Osprey Egg Sampling.
100011040	10/08/2009	Email Regarding LWG Letter Regarding Draft BHHRA Submittal.
100011041	10/08/2009	Letter Regarding Submittal of Draft Baseline Human Health Risk Assessment.
100011044	09/03/2009	Email Regarding LWG Response to EPA August 19, 2009 BERA Submittal Letter.
100011045	09/03/2009	Letter Regarding Response to EPA August 19, 2009 BERA Submittal Letter.
100011046	09/04/2009	Email Regarding LWG Response to EPA Comments on Revised Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling.
100011047	09/04/2009	Letter Regarding EPA Comments on Revised Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling for Lower Willamette River.
100011050	03/05/2009	Email Regarding LWG Response to EPA Invertebrate Tissue TRV Directive.
100011051	03/05/2009	Letter Regarding Invertebrate Tissue – Residue Toxicity Reference Values for the Baseline Ecological Risk Assessment.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100011052	02/06/2009	Email Regarding LWG Response to Fish Tissue Directive.
100011053	02/06/2009	Letter Regarding Fish Tissue Residue Toxicity Reference Values for the Baseline Ecological Risk Assessment.
100011054	05/28/2008	Email Regarding LWG RI indicator Chemical List Approach.
100011055	05/27/2008	Proposed Indicator Chemical List Approach.
100011057	06/30/2008	Email Regarding LWG TRV Methodology comments.
100011058	06/30/2008	Letter Regarding Toxicity Reference Value Methodology – Aquatic Biota Tissue.
100011064	12/10/2009	Email Regarding November 2009 Portland Harbor Monthly Progress Report.
100011065	12/10/2009	Monthly Progress Report for November 2009.
100011070	09/28/2005	Email regarding 9-28 SMA tables.
100011080	09/28/2005	SMA Table B.
100011084	09/28/2005	SMA Table A.
100011088	10/13/2005	Email regarding AOI Comments Re: JSCS.
100011090	10/10/2005	Letter regarding comments on the Portland Harbor Joint Source Control Strategy (JSCS).
100011094	10/10/2005	AOI Comments on Appendix E - Framework for Portland Harbor Storm Water Screening Evaluations (August 2005) Regarding Sampling Protocols.
100011110	10/20/2005	Email regarding DEQ ARKEMA EE/CA Review Comments.
100011195	10/20/2005	Arkema EE/CA Review Comments.

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Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100011111	03/16/2006	Email Regarding Ecological Risk Assessment Framework.
100011268	03/15/2006	PORTLAND HARBOR SUPERFUND SITE: PROPOSED ECOLOGICAL RISK ASSESSMENT DECISION FRAMEWORK.
100011117	03/06/2015	Email regarding LWG Letter to EPA on EPA Draft FS Section 2.
100011118	03/06/2015	Letter regarding EPA Draft Feasibility Study, Section 2 - 2015-03-06 Letter to EPA on FS Section 2.
100011120	03/10/2015	Email regarding LWG Comments on DEQ Source Control Summary Report Consistency with EPA Draft FS Section 1.
100011121	03/10/2015	Lower Willamette Group Comments on SCSR Feasibility Study Section 1 - LWG Comments on SCSR FS Section 1 3-4-2015.
100011122	03/10/2015	Email regarding Portland Harbor - followup to 3/10/15 meeting.
100011123	02/09/2015	Comparison of Risk Areas to be Remediated Map - 2015-02-23_Figure 2.2-2 PRG-Footprints.
100011126	03/11/2015	Email regarding LWG Comments on DEQ Source Control Summary Report Consistency with EPA Draft FS Section 1 - updated table.
100011127	03/11/2015	Lower Willamette Group Comments on SCSR Feasibility Study Section 1 - LWG Comments on SCSR FS Section 1 3-11-2015.
100011133	03/18/2015	Email regarding FS Section 2 comments.
100011134	02/23/2015	Portland Harbor RI/FS Draft Feasibility Study Report Section 2 - 2015_02_23 FS Section 2_5 Tribe comments_2015_03_16.
100011136	03/20/2015	Email regarding Portland Harbor Letters.
100011137	03/19/2015	Letter regarding Administrative Order on Consent for Remedial Investigation and Feasibility Study - 2015-03-19 FS Section 1 letter to LWG.
100011141	03/25/2015	Email regarding Section 2 FS Review Comments.
100011142	03/25/2015	Eco Screening Values for TPH Fractions Tables - Eco Screening Values for TPH Fractions.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011143	03/26/2015	Email regarding LWG Recommendation on Manganese Water PRG for RAO 8.
100011144	11/05/2014	Memorandum regarding Derivation of Proposed Manganese PRG to Replace the Suter and Tsao (1996) Tier II Value in the Portland Harbor Feasibility Study - LWG Hardness-based Mn Criterion Memo_5 November 2014.
100011149	10/13/2005	Email regarding Anchor Comments on Interim Final Joint Source Control Strategy.
100011108	10/10/2005	Anchor Environmental Comments on Interim Final Portland Harbor Joint Source Control Strategy.
100011180	08/20/2014	Email Regarding Preliminary Draft Matrix for Section 1 CAG (Community Advisory Group) Discussion (With Highlighted Text).
100011181	09/10/2014	Portland Harbor Superfund Site Feasibility Study, Section 1 - CAG Presentation on 09/10/2014.
100011182		Figure 3.1, River Stages vs Average Annual Values.
100011191	11/03/2005	Email regarding DEQ Comments on GASCO MARP.
100011192	11/03/2005	DEQ Comments on Draft - Monitoring and Reporting Plan - Post Construction, Removal Action, NW Natural Gasco Site.
100011197	10/28/2005	Email regarding Revised CSM.
100011190	10/25/2005	Eco Team Work Session - Notes.
100011198	10/28/2005	Draft Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100011199	12/01/2005	Email regarding Rewrite of human health sections of Data Gaps memo.
100011209	12/01/2005	Identification of Round 3 Data Gaps.
100011203	11/09/2005	Email regarding Bruce H's initial direction on the food web model.
100011205	11/09/2005	Portland Harbor Superfund Site - Transport & Fate/Food Web Modeling: Directions for model design and development.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011210	01/11/2006	Email regarding Draft tech support request memo.
100011211		Formal request for technical support from EPA for the Portland Harbor in-water Remedial Investigation and Feasibility Study.
100011212	01/18/2006	Email regarding Ambient Sediment Quality Evaluation.
100011200	01/18/2006	Figure 1: Ambient Sediment Quality Evaluation.
100011213	01/18/2006	Table 1: Existing Ambient Sediment Quality Data, Ross Island Sand and Gravel Co.
100011214	01/24/2006	Email regarding Food Web Model Comments.
100011201	01/24/2006	Comments on the Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site, Draft, Nov 4, 2005. Prepared for LWG by Woodward Environmental.
100011215	02/08/2006	Email regarding CSTAG.
100011470		Powerpoint Presentation: Portland Harbor Overview of JSCS.
100011221	04/03/2015	Email regarding Portland Harbor Draft Appendix P.
100011222	04/03/2015	Portland Harbor RI/FS Appendix P - 2014-03-02_Appendix P_RLSO.
100011223	03/23/2015	Portland Harbor RI/FS Appendix P - 2014-03-23_Appendix P.
100011224	03/18/2015	Revised from BERA Maps 6-28a Portland Harbor RI/FS Revised Benthic Weight of Evidence - 5909a_Updated Benthic WOE .
100011225	03/18/2015	Revised from BERA Maps 6-28b Portland Harbor RI/FS Revised Benthic Weight of Evidence - 5909b_Updated Benthic WOE.
100011226	04/03/2015	Attachment 2 Comprehensive Benthic Approach Table - Attachment_2_Comprehensive Benthic Approach_clean_2014_03_24.
100011227	03/02/2015	Attachment 2 Comprehensive Benthic Approach Table Revised - Attachment_2_Comprehensive Benthic Approach_revised_2015_03_02.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011228	04/06/2015	Email regarding Portland Harbor - LWG FS Section 2 comments.
100011229	03/25/2015	LWG Comments on Table 2.1-1. - 2.1-2.
100011238	04/13/2015	Email regarding Oregon Hazardous Waste -- pesticide rule -- ARAR question.
100011239	04/13/2015	Email regarding OPR ODEQ letter.
100011240	02/20/2014	Letter regarding Dispute of EPA Comments, Arkema Inc. Portland Facility Oregon Pesticide Rule and Waste Designation - OR_PesticideRuleAndWasteDesignationClarification.
100011255	05/19/2015	Email regarding calculation workbook for the updated congener bioaccumulation models.
100011345	05/19/2015	PRG calculations based on fillet target tissue concentrations - PRG calc spreadsheet_DF congeners_FWM PRGs_forEPA_5.15.2015.
100011269	04/24/2006	Email Regarding Direct Funding of NOAA.
100011270	04/20/2006	NOAA Request for direct funding from PRPs for Portland Harbor Superfund Site, US EPA Region 10, Docket No. CERCLA-10-2001-0240.
100011271	11/17/2009	Email Regarding LWG Letter on Extension of Dispute Resolution Period.
100011272	11/17/2006	Site 108T, Portland Harbor RI/FS - EPA Bill No. 200626S242.
100011275	12/04/2006	Email Regarding Extending Dispute Resolution Deadline for EPA regarding interest charge.
100011276	12/04/2006	Site 108T, Portland Harbor RI/FS - EPA Bill No. 200626S242.
100011277	06/15/2007	Email Regarding Linnton survey.
100011278	04/27/2006	Summary of Oregon Health Linnton Notes.
100011279	06/11/2007	Summary of the Linnton Community Center fish consumption survey and health education activities for the Portland Harbor Superfund Site.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011280	12/03/2007	Email Regarding LWG request on RSET data.
100011281	11/30/2007	Letter from LWG to EPA in Regards to Regional Sediment Evaluation Team (RSET) Quality Assurance/Quality Control (QA/QC) Information.
100011284	03/19/2008	Email Regarding draft RI Table of Contents for today's discussion.
100011285	03/18/2008	PRELIMINARY PORTLAND HARBOR REMEDIAL INVESTIGATION OUTLINE.
100011286	03/19/2008	Email Regarding LWG Memo on Lamprey.
100011287	03/04/2008	Memorandum Regarding Pacific Lamprey.
100011288	03/20/2008	Email Regarding draft RI Table of Contents for today's discussion.
100011289	03/19/2008	PH Project Schedule/Roadblocks.
100011290	04/02/2008	Email Regarding Background issues from 3/12 meeting.
100011291	03/27/2008	Status of Issues from March 12, 2008 EPA-DEQ-LWG Background Approach Technical Meeting.
100011292	04/17/2008	Email Regarding Letter from LWG on lamprey literature review.
100011293	04/16/2008	Lower Willamette River, Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240 Portland Harbor.
100011317	03/19/2009	Email Regarding Potential ARARs for Portland Superfund Site.
100011318	03/19/2009	Potential Applicable or Relevant and Appropriate Requirements and To Be Considered Initiatives for the Portland Harbor Superfund Site RI/FS.
100011350	05/21/2015	Email regarding TPH Fractions in PH Groundwater Data.
100011351	05/21/2015	Evaluation of Risk from TPH Fractions in Selected Groundwater Monitoring Well Data for Portland Harbor Sites - TPH Fractions in PH Groundwater Data1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011355	05/26/2015	Email regarding TPH Fractions in PH Groundwater Data.
100011356	05/26/2015	Table 3 TPH Fractions Tables - Table 3 TPH fractions BERA addition.
100011357	05/26/2015	TPH Fraction HQ Tables 1 & 2 - Tables 1&2 TPH Fraction HQs.
100011358	06/03/2015	Email regarding Portland Harbor FS Section 2.
100011359	05/26/2015	Figure 2.2-2 Portland Harbor Site Areas that Exceed Preliminary Remediation Goals - 2015-06-03 Draft Final Figure 2.2-2 PRG & river bank-Footprints.
100011360	06/03/2015	Email regarding Portland Harbor FS Section 2.
100011361	06/03/2015	Table B-2 Risk-Based Ecological PRGs Portland Harbor Superfund Site - 2015-06-03 Draft Final Appendix B2_Table B2_Eco PRGs.
100011362	05/26/2015	Figure 2.2-2 Areas that Exceed Preliminary Remediation Goals - 2015-06-03 Draft Final Figure 2.2-2 PRG & river bank-Footprints.
100011363	06/05/2015	Email regarding Portland Harbor FS Section 2 - Updated PRG tables.
100011364	06/05/2015	Portland Harbor Feasibility Study Section 2.2 Tables - 2015-06-05 Draft Final FS Section 2.2 Tables.
100011367	06/26/2015	Email regarding Portland Harbor FS.
100011368	03/30/2012	Portland Harbor RI/FS Appendix Hc: Capping Effectiveness and Stability Modeling Draft Feasibility Study - Pages from 2012-03-20_Appendix Hc.
100011371	07/01/2015	Email regarding Portland Harbor FS.
100011372	03/30/2012	Email regarding Portland Harbor RI/FS Appendix Hc: Capping Effectiveness and Stability Modeling - Pages from 2012-03-20_Appendix Hc.
100011377	07/09/2015	Email regarding Portland Harbor TCT Presentation.
100011378	07/08/2015	Portland Harbor FS Alternatives Presentation - 2015-07-08 Presentation on FS to TCT.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100011379	07/13/2015	Email regarding Portland Harbor Revised ARARs tables.
100011380	07/13/2015	Portland Harbor Tables 2.1-1-3 - Copy of 2015-07-13 Draft Final Tables 2 1-1 through 2 1-3 ARARs.
100011408	04/25/2008	Email Regarding LWG Background Proposal.
100011409	04/25/2008	Draft LWG Background Data Methods Proposal.
100011412	04/30/2008	Email Regarding TZW Status of Issues Table.
100011423	04/30/2008	Status of TZW Issues from April 16, 2008 and April 24, 2008 EPA-DEQ-LWG Meetings.
100011424	05/28/2008	Email Regarding LWG Data Use Rules.
100011425	05/23/2008	BERA Calculated Sum Components.
100011426	05/23/2008	Proposed Data Use Rules and Data Integration for Baseline Human Health Risk Assessment (BHHRA).
100011427	05/23/2008	BHHRA Calculated Sum Components.
100011428	05/23/2008	Proposed Data Reduction Rules and Data Integration for BERA.
100011429	05/28/2008	Table: Post SCRA Data Treatment Summary for the RI and BLRAs.
100011432	05/28/2008	Email Regarding LWG RI indicator Chemical List Approach.
100011433	05/27/2008	Proposed Indicator Chemical List Approach.
100011434	06/11/2008	Email Regarding LWG Letter on Individual Lamprey Assessment.
100011435	06/11/2008	Pacific Lamprey Assessment (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011436	06/11/2008	Email Regarding LWG Letter on Individual Lamprey Assessment.
100011437	06/11/2008	Pacific Lamprey Assessment (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100011438	06/11/2008	Email Regarding LWG Letter on Osprey DQOs.
100011439	06/11/2008	May 23, 2008 Data Quality Objectives for Osprey Egg Sampling (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100011440	06/11/2008	Email Regarding LWG Letter on Osprey DQOs.
100011441	06/11/2008	May 23, 2008 Data Quality Objectives for Osprey Egg Sampling (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100011442	06/19/2008	Email Regarding Proposed subsurface sediment to surface sediment loading approach.
100011443	06/18/2008	PROPOSED LWG APPROACH FOR ANALYZING POTENTIAL ADVECTIVE LOADING FROM SUBSURFACE SEDIMENT TO SURFACE SEDIMENT.
100011444	06/23/2008	Email Regarding LWG Chairperson Update.
100011445	06/23/2008	Lower Willamette Group Chairperson Update (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100011446	06/26/2008	Email Regarding Indicator Chemical List Memo - for transmittal to EPA.
100011447	06/26/2008	LWG INDICATOR CHEMICAL LIST MEMORANDUM
100011448	06/30/2008	Email Regarding PRG June 18 Meeting Notes.
100011449	06/30/2008	PRG Meeting Summary - June 18, 2008.
100011450	06/30/2008	Email Regarding LWG TRV Methodology comments.
100011451	06/30/2008	Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240. Toxicity Reference Value Methodology – Aquatic Biota Tissue.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011452	01/15/2010	Email Regarding December 2009 Portland Harbor Monthly Progress Report.
100011453	01/14/2010	Lower Willamette River, Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240 Monthly Progress Report for December 2009.
100011458	02/05/2010	Email Regarding LWG Letter EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments.
100011459	02/05/2010	EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100011460	02/10/2010	Email Regarding Compiled PRG Tables.
100011461	12/10/2009	Table 1. Human Health Sediment PRGs for Direct Exposure to Sediment.
100011462	02/16/2010	Email Regarding January 2010 Portland Harbor Monthly Progress Report.
100012046	02/16/2010	Lower Willamette River, Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240 Monthly Progress Report for January 2010.
100011483	03/24/2006	Email regarding Milestone Report.
100011484	03/01/2006	Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
100011484	03/01/2006	Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
100011480	03/01/2006	Table 2: Sites identified by DEQ in 1999 as part of the Portland Harbor Site Discovery Process.
100011482	03/01/2006	Table 3: New Sites in Portland Harbor identified through the Site Discovery Process (2000 to present).
100011486	03/01/2006	Table 1: Results of 1999 DEQ Project Manager evaluation of the potential relationship between in-water sediment contamination and upland sites already in the process of cleanup.
100011493	03/01/2006	Table 4: DEQ Milestone Report: Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor.
100011491	04/05/2006	Email regarding Draft agenda for April 11 ERA Framework meeting.
100011544	04/11/2006	Agenda for Ecological Risk Assessment Decision Framework Meeting.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100011495	03/31/2006	Email regarding Agenda for Monday's meeting in Centralia.
100011499	03/15/2006	Portland Harbor Superfund Site: Proposed Ecological Risk Assessment Decision Framework.
100011502	02/08/2010	Email Regarding Figure 1 - LWG Letter EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments.
100011503	02/05/2010	Letter Regarding EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments.
100011504	02/05/2010	Letter Regarding EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments.
100011505	02/06/2010	Figure 1 - Notes on AOPC Changes from February 2, 2010 Meeting.
100011531	06/09/2006	Email Regarding progress reports on modeling and human health.
100011532	06/09/2006	HH Subgroup Progress Report (via email to Managers on June 6).
100011571	04/07/2006	Email regarding Initial Draft of Meeting Facilitation Document.
100011574	04/07/2006	Letter regarding Meeting Facilitation.
100011578	04/07/2006	Email regarding Agenda for April 11, 2006 Meeting and ERA Framework Issue Summary.
100011580	04/11/2006	Agenda for Ecological Risk Assessment Decision Framework Meeting.
100011581	04/07/2006	Summary of Ecological Risk Assessment Decision Framework Issues.
100011582	04/12/2006	Email regarding Draft summary of ERA framework meeting.
100011583	04/11/2006	Draft Summary of Ecological Risk Assessment Framework Meeting.
100011594	07/17/2015	Email regarding Portland Harbor River Banks.
100011595	11/05/2015	Figure 2.2-2 Areas that Exceed PRGs - 20150717152843078.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011594	07/17/2015	Email regarding Portland Harbor River Banks.
100011596	11/05/2015	Figure 2.2-2. Areas that Exceed Preliminary Remediation Goals (PRGs) - Fig2-2-2_HH-and-Eco-Risk-Footprints_20150708.
100011621	08/04/2015	Email regarding questions on FS Section 2 tables.
100011622	08/04/2015	Feasibility Study Section 2.2 Tables - 2015-07-29 FS Section 2.2 Tables_forEPA_08032015.
100011625	08/14/2015	Email regarding production text.
100011626	07/29/2015	Portland Harbor RI/FS Draft Final Feasibility Study Report Dredge Production Update - 3341-DredgeProduction-Update.
100011627	08/14/2015	Email regarding Preliminary List of Section 3 Inconsistencies.
100011628	08/14/2015	Preliminary Draft List of Inconsistencies in Revised FS Section 3 - EPA Submittal 2015-08-14 Preliminary List of Inconsist.
100011632	08/26/2015	Email regarding Initial list of LWG issues.
100012909	08/25/2015	Laundry list of topics to expect LWG to raise during FS discussion - 2015 8-25 Laundry list of topics to expect LWG to raise.
100011642	04/24/2006	Email regarding April 26 Agenda.
100011655	04/26/2006	Agenda for Portland Harbor Lamprey-Sturgeon Workshop Joint NRDA - Eco Team Meeting.
100011644	04/18/2006	Email regarding Agenda for Thursday's Stormwater meeting.
100011639	04/20/2006	Agenda for Portland Harbor Stormwater Strategy Meeting.
100011649	05/03/2006	Email regarding First cut at PH data by segment.
100011652		Sum of Aroclor Concentrations Flagged as Detected.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100011670	06/08/2006	Email regarding Administrative Framework for Stormwater in the ROD.
100011675	06/08/2006	Pathway to Controlling Stormwater in Portland Harbor.
100011684	06/08/2006	Operating Assumptions Related to Stormwater and the ROD.
100011694	06/16/2006	Email regarding Administrative Framework for Stormwater in the ROD - Summary of 6/16 Meeting.
100011696	06/08/2006	Draft Operating Assumptions Related to Stormwater and the ROD.
100011697	07/05/2006	Email regarding PRP notice letters - public information meeting July 18.
100011698	07/01/2006	DEQ Seeking Public Comment on Proposed State Consent Judgment Regarding Portland Harbor Superfund Site.
100011701	07/13/2006	Email regarding Background Tech Memo Response to Comments.
100011702	07/13/2006	Response to Comments on the Technical Memorandum: Approach to Determining Background.
100011703	07/13/2006	Initial Categorization - EPA Technical Memorandum: Approach to Determining Background Comments (dated June 5, 2006).
100011706	08/29/2006	Email regarding Agenda and Materials for Aug 31 Stormwater Mtg.
100011707	08/21/2006	Evaluating Stormwater in the Context of the Portland Harbor RI/FS.
100011713	08/24/2006	Stormwater Modeling Using the Fate and Transport Model - Initial Model Runs.
100011715	08/29/2006	Options for Evaluating Stormwater to Address Portland Harbor RI/FS Needs.
100011767	10/18/2006	Email regarding Dioxin Groundwater Sampling Report - Revised.
100011780	10/13/2006	Technical Memorandum regarding Upland Groundwater Dioxin/Furan Sampling - Revised.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100011791	12/07/2006	Email regarding Addendum to Gasco Offshore FSA.
100011826	12/06/2006	Addendum to Offshore Final Phase I Field Sampling Sampling Approach, NW Natural, Gasco Site, Portland, Oregon.
100011801	11/06/2006	Email regarding Agenda Development for Milestone Meeting.
100011806		Agenda Development Notes.
100011837	12/07/2006	Email regarding NWNG, Phase 1 Off-shore FSA Addendum 2 References.
100011842	10/19/2006	Memorandum regarding SOP for Discrete Depth Groundwater Sampling.
100011855	12/13/2006	Email regarding Draft Groundwater Source Control IRM Scoping Technical Memorandum.
100011861	12/01/2006	Preliminary Draft: Scoping Technical memorandum: Groundwater Source Control Interim Remedial Action.
100011871	12/22/2006	Email regarding Draft notes from 12-22 PH Managers Meeting.
100011872	12/20/2006	Draft notes from 12-20 PH Managers Meeting.
100011886	01/02/2007	Email regarding 12/06 Source Control Milestone Report.
100011912	12/29/2006	Letter regarding Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
100011931	12/01/2006	Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
100011932	12/29/2006	Table 1: DEQ Milestone Report: Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor.
100011943	12/29/2006	Table 2: Status of High Priority Sites.
100011950	10/11/2006	Email Regarding TZW framework for ECO.
100011951	10/11/2006	TZW Evaluation Framework for Ecological Receptors.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011961	04/04/2013	Email Regarding Stormwater and Sediment Information Around RM16.
100011960	08/29/2011	RI/FS (Remedial Investigation/Feasibility Study) RI Report, Appendix H Maps, Surface Sediment Chemistry - Pages from 2011-08-29_DF RI_AppH_Maps_H4.
100011964	09/25/2013	Email Regarding Gunderson Area 3 Riverbank DRAFT Source Control FS (Feasibility Study) Work Plan.
100011963	08/30/2013	DRAFT Schnitzer ASD Yard Riverbank Source Control Measures Feasibility Study Work Plan (With Highlighted Text) - DRAFT Area 3 SC FS WP - Revised II.
100011966	12/18/2013	Email Regarding Hot Spots Maps.
100011967	12/17/2013	Total cPAH Hot Spots - HotSpotMap cPAH.
100011968	12/17/2013	Total DDX Hot Spots - HotSpotMap DDX.
100011969	12/17/2013	Total PCB Hot Spots - HotSpotMap PCB.
100011970	12/17/2013	PeCDF Hot Spots - HotSpotMap PeCDF.
100011972	01/29/2014	Email Regarding Hot Spots High Mobility.
100011973	01/29/2014	BaPEQ ODEQ (Oregon Dept. of Environmental Quality) Hotspot High Mobility - Hotspot High Mobility.
100011976	02/04/2014	Email Regarding Response to 1/29/14 Email About Hot Spots.
100011974	01/06/2014	Total PCBs Hot Spots, COC Concentration Divided by Hot Spot Concentration (0.001 mg/kg) - HotSpotMaps_rev_PCB.
100011975	02/04/2014	Total PCBs Hot Spots COC Concentration Divided by Hot Spot Concentration (0.012 mg/kg) - HotSpotMaps_rev_PCB_012.
100011978	02/04/2014	Email Regarding Hot Spots.
100011977	01/29/2014	BaPEQ ODEQ (Oregon Dept. of Environmental Quality) Hotspot High Mobility - HighlyMobile_BaPEq.
100011979	02/04/2014	BaPEq ODEQ (Oregon Dept. of Environmental Quality) Hotspot High Mobility - Hotspot High Mobility_20140204.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100011983	02/18/2014	Email Regarding Hot Spots.
100011984	02/12/2014	Total PCBs Hot Spots, COC Concentration Divided by Hot Spot Concentration (0.001 mg/kg) - HotSpotMaps_rev_PCB_wth_xhatch.
100011987	03/03/2014	Email Regarding ODEQ (Oregon Dept. of Environmental Quality) Highly Mobile.
100011985	03/03/2014	Email Regarding ODEQ (Oregon Dept. of Environmental Quality) Highly Mobile - Attachment1Figures.
100011986	03/03/2014	Email Regarding ODEQ (Oregon Dept. of Environmental Quality) Highly Mobile - Attachment2Figures.
100011991	03/07/2014	Email Regarding ODEQ (Oregon Dept. of Environmental Quality) Maps.
100011992	02/04/2014	Attachment 1, Figures, Highly Mobile - Attach1Figures_HighlyMobile_pw.
100011993	03/07/2014	Attachment 2, Figures, Highly Mobile - Attach2Figures_HighlyMobile_sed.
100011994	03/06/2014	Hot Spot Maps - HotSpotMaps_rev_DioxinFuran.
100011997	12/10/2014	Email Regarding Final SCD (Source Control Decision) for Swan Island Upland Facility.
100011998	12/10/2014	Letter Regarding Final Source Control Decision (SCD) for the Swan Island Upland Facility - FSCD_OU1SIUF.
100011999	12/17/2014	Email Regarding Willamette River Downtown Reach DEQ-EPA Talking Points.
100012000		Downtown Reach Conceptual Site Model and Additional Data Needs - DOWNTOWN REACH TALKING POINTS- final.
100012001	02/25/2015	Email Regarding EPA Review of OBRC (Oregon Beverage Recycling Cooperative) Final SCD (Source Control Decision).
100012002	02/25/2015	Letter Regarding Review of the Source Control Decision (SCD) for the Oregon Beverage Recycling Cooperative (OBRC) - FSCD_OBRC.
100012006	10/11/2010	Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
100012007	08/01/2010	Figure 1: Status of Source Identification in City Outfall Basins - MilestoneRpt1009Figure1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012006	10/11/2010	Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
100012008		Land Zoning and Ownership - MilestoneRpt1009Fig2abc.
100012009	10/08/2010	Table 1: DEQ Milestone Report Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor - MilestoneRptTbl11009.
100012010		Status of High Priority Sites - MilestoneRpt1009Table2.
100012011	10/12/2010	Update on Stormwater Source Control at the Portland Harbor Superfund Site.
100012012	10/11/2010	Portland Harbor Study Area Status of Stormwater Source Control Evaluations - Figure1-StatusStormwaterEvaluations.
100012029	02/06/2009	Email Regarding RI and FS Issues Status Table.
100012030	02/06/2009	OUTSTANDING PORTLAND HARBOR RI/FS ISSUES - STATUS AS OF 2/6/2009.
100012031	04/30/2008	Email Regarding RI Indicator Chemical List - for EPA Review.
100012032	04/30/2008	DRAFT for EPA Indicator Chemical Lists.
100012035	02/17/2010	Email Regarding Risk Management Materials for February 17th Meeting.
100012036	02/17/2010	Recommended Risk Management Decision Steps Regarding PRGs.
100012037	02/17/2010	DRAFT Matrix of Chemicals with HQ > 1 By AOPC.
100012042	05/03/2007	Email regarding Gasco NWNG, Phase 2 FSA Work Plan Figure 7.
100012044	03/16/2006	Figure 7: Proposed Phase 2 Sampling Locations, NW Natural-Gasco Site, Portland, Oregon.
100012047	02/18/2010	Email Regarding LWG Response Letter to EPA Response on PCB Modeling Approach.
100012048	02/18/2010	EPA Response on PCB Modeling Approach – Contaminant Fate and Transport Model (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100012049	02/18/2010	Email Regarding LWG Response to EPA Directive Clarifications on the Baseline Risk Assessments.
100012050	02/18/2010	EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100012051	02/19/2010	Email Regarding Evaluation of Ecological and Human Health Risk Lines of Evidence for Use in the FS.
100012052	02/19/2010	Evaluation of Ecological Risk Lines of Evidence for Use in the Feasibility Study - Benthic.
100012063	02/19/2010	Evaluation of Human Health Risk Lines of Evidence for Use in the Feasibility Study.
100012056	05/29/2007	Email regarding Arkema Portland Groundwater Source Control Evaluation.
100012088	05/29/2007	Letter regarding Former Arkema Portland Plant Draft Groundwater Source Control Evaluation.
100012060	06/22/2007	Email regarding 6/19/07 DEQ/EPA SC Mtg.
100012090	06/19/2007	Agenda for DEQ/EPA Source Control Meeting.
100012061	06/28/2007	Email regarding Cargill.
100012062		Map showing location of Cargill.
100012064	02/19/2010	Email Regarding LWG Mitigation Framework Matrix.
100012065	01/19/2010	Email Regarding Table 1. Draft LWG Mitigation Framework.
100012066	03/12/2010	Email Regarding Aroclor-Homolog Relationships Presentation From March 11th Conference Call.
100012067	03/11/2010	Lower Willamette River Revised Fate and Transport Modeling Study Sediment Aroclor-Homolog Relationships.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012068	03/12/2010	Email Regarding February 2010 Portland Harbor Monthly Progress Report.
100012069	03/12/2010	Lower Willamette River, Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240 Monthly Progress Report for February 2010.
100012072	05/07/2010	Email Regarding 100507 Portland Harbor Notices - Port of Portland.
100012073	05/07/2010	Terminal 5 Dredging.
100012098	07/26/2007	Email regarding Arkema Quarterly Report and Response to JSCS Comments.
100012099	07/18/2007	Quarterly Progress Report for April through June 2007, Acid Plant Area RI/FS, Arkema Inc., Portland Plant.
100012101	07/24/2007	Former Arkema Portland Plant: Responses to DEQ/EPA Comments on the Draft Groundwater Source Control Evaluation.
100012104	03/01/2007	Arkema Riverbank Soil Data - March 2007.
100012128	10/09/2007	Email: Comments regarding Evaluation of Groundwater Discharge.
100012159	10/09/2007	Letter regarding Evaluation of Groundwater Discharge to the Willamette River - RP Portland Site, Portland OR.
100012166	10/10/2007	Email regarding Contaminated Media Management Plan 10-4-07.
100012170	10/04/2007	Contaminated Media Management Plan (CMMP) for the Former Reynolds Metals Company Facility in Troutdale, Oregon.
100012183	10/24/2007	Email regarding Eco Analysis Plan.
100012220	08/24/2004	EPA Comments: Approach for the Preliminary Risk Evaluation for Ecological Receptors.
100012234	10/01/2004	EPA Comments on Technical Memorandum: Comprehensive Synopsis of Approaches and Methods, Ecological Risk Assessment.
100012190	03/09/2011	Email Regarding Draft LWG Response to EPA February 25, 2011 Portland Harbor RI FS Schedule Letter.
100012191	03/05/2011	Response to EPA February 25, 2011 Letter (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012199	05/25/2011	Email Regarding Claim Certificate LWG-020.
100012200	05/06/2011	Email Regarding Portland Harbor Superfund Site RI/FS Trust Fund Lower Willamette Group Claim Certificate LWG-020.
100012201	06/30/2011	Email Regarding Claim Certificate LWG-021.
100012202	06/24/2011	Portland Harbor Superfund Site RI/FS Trust Fund Lower Willamette Group Claim Certificate LWG-021.
100012205	11/10/2011	Email Regarding Claim Certificate LWG-025.
100012206	11/02/2011	Portland Harbor Superfund Site RI/FS Trust Fund Lower Willamette Group Claim Certificate LWG-025
100012213	02/02/2012	Email Regarding Portland Harbor Request For Underlying Backup Regarding EPA Bill No. 2701226S0020.
100012214	02/02/2012	Site 108T, Portland Harbor RI/FS Request for Underlying Backup Regarding EPA Bill No. 2701226S0020 (Lower Willamette River, Portland Harbor Superfund Site, USEPA Docket No: CERCLA-10-2001-0240).
100012215	02/22/2012	Email Regarding Claim Certificate LWG - 027
100012216	02/17/2012	Portland Harbor Superfund Site RI/FS Trust Fund Lower Willamette Group Claim Certificate LWG-027.
100012219	05/04/2012	Email Regarding May 10, 2012 Hot Spots Meeting - Background Document: Hot Spots In The Portland Harbor Feasibility Study.
100012494	05/04/2012	PORTLAND HARBOR RI/FS - BACKGROUND DOCUMENT: HOT SPOTS IN THE PORTLAND HARBOR FEASIBILITY STUDY.
100012222	12/06/2007	Email regarding DEQ's 1/08 PH Milestone Report.
100012243	12/06/2007	Table 1: DEQ Milestone Report: Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor.
100012245	03/07/2008	Email regarding Agenda for March 13th stormwater mtg 10-noon.
100012246	03/07/2008	Agenda for March 13th Stormwater Source Control Meeting.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100012262	11/19/2009	Email Regarding Supporting Electronic Information for Draft Benthic BERA Posted.
100012263	11/18/2009	Memorandum Regarding Supporting Information for Benthic Risk Evaluation.
100012264	10/07/2010	Email Regarding Tabulated Coordinates for Individual Fish Collected for the RI.
100012265	10/07/2010	Biota_indiv_locs_XY_QA.xls.
100012268	10/11/2006	Email Regarding TZW framework for Human Health.
100012269	10/11/2006	Draft TZW Evaluation Framework for Human Health.
100012272	10/28/2009	Email Regarding Updated GIS Tool.
100012273	10/23/2009	List of GIS Tool Recipients.
100012276	03/12/2008	Email regarding Agenda for March 13th stormwater mtg 10-noon.
100012278	03/01/2008	DEQ/City Outfall Basin Evaluation Process.
100012279	03/13/2008	Agenda for DEQ-EPA Meeting on March 13, 2008.
100012282	03/05/2008	Stormwater Pathway Evaluation Process.
100012283	01/14/2008	DEQ's Comprehensive Strategy for Stormwater Source Control in Portland Harbor.
100012284	03/01/2008	Pipeshed Source Control Decision Criteria for Portland Harbor.
100012286	03/20/2008	Email regarding Draft notes from 3/13 stormwater meeting.
100012294	03/20/2008	Summary of March 13, 2008 EPA-DEQ-BES Stormwater Meeting.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012330	03/26/2008	Email regarding 2008 CAG Survey.
100012345	05/21/2007	CAG Survey #1 Submitted on March 28, 2007, Response from EPA on May 21, 2007.
100012336	09/01/2009	Email Regarding Agenda for Permit Kick-Off Meeting for Zidell Remedial Action Project On Wednesday September 9th, 9:00 to Noon.
100012337	09/09/2009	Agenda for Interagency Permit Preapplication Meeting.
100012338	09/09/2009	Agenda for Interagency Permit Preapplication Meeting for DEQ NWR Cleanup Program.
100012350	05/09/2008	Email regarding Draft Comments on Section 11.
100012352		EPA Comments on Section 11 of Round 2 Report.
100012354	06/17/2008	Email regarding Food Web Model Comments.
100012335	01/29/2007	Email regarding PH FW model comments.
100012339	01/29/2007	Bruce Hope's comments on Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report, Appendix H: Food Web Model - Attachment 3, Parameterization.
100012340	06/13/2008	EPA Comments Appendix E: Round 2 Comprehensive Site Characterization Summary and Data Gaps Report.
100012358	05/12/2009	Email regarding ARKEMA Dioxins/Furans.
100012374		Spreadsheet showing ARKEMA Dioxins/Furans.
100012359	08/07/2009	Email regarding DEQ comments on EPA's 8/4/09 Portland Harbor RAOs.
100012384	08/07/2009	Letter regarding EPA's 8/4/09 Draft Final Remedial Action Objectives.
100012363	08/13/2008	Email regarding Comment Clarification.
100012364	01/15/2008	EPA Comments on Comprehensive Round 2 Site Summary and Data Gaps Analysis Report: Sections 1-9 and Appendices A, B, C, D, F, and G.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012367	10/27/2008	Email regarding Gasco Meeting with DEQ and NW Natural on 11/6.
100012368		Proposed order of work for NW Natural.
100012372	09/10/2009	Email Regarding Bioaccumulation Modeling Report.
100012373	07/21/2009	General Comments of Portland Harbor RI/FS Bioaccumulation Modeling Report.
100012407	09/21/2009	Email Regarding FW: Anderson Brothers.
100012408	09/21/2009	Review of Source Control Decision: Anderson Brothers Inc., 9111 N. Vancouver Avenue, Portland, OR 97217; ECSI #970
100012434	10/06/2009	Email Regarding Downtown Portland Sediment Investigation.
100012435	09/30/2009	NR Willamette Ssediment 10-21-09 Info Meeting.
100012465	05/20/2008	Email regarding scheduling meetings.
100012468	05/20/2008	Email regarding server access request
100012495	06/06/2012	Email Regarding Claim Certificate LWG-030.
100012496	06/01/2012	Portland Harbor Superfund Site RI/FS Trust Fund Lower Willamette Group Claim Certificate LWG-030.
100012586	12/09/2009	Email Regarding FW: AOPC_23 - UPRR Info.docx.
100012588	12/09/2009	AOPC: 23- Information for UPRR Albina.
100012616	01/04/2010	Letter Regarding Proposed Renewal of NPDES (National Pollutant Discharge Elimination System)Permit for Evraz Oregon Steel.
100012617	12/31/2009	Review Comments on NPDES (National Pollutant Discharge Elimination System) Permit Fact Sheet/Permit Evaluation Report Prepared by Oregon Department of Environmental Quality (DEQ) 11/23/2009 - EPA_Review_Comments_FS-PER_31DEC09.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012616	01/04/2010	Letter Regarding Proposed Renewal of NPDES (National Pollutant Discharge Elimination System) Permit for Evraz Oregon Steel.
100012618	12/31/2009	Review Comments on DRAFT NPDES (National Pollutant Discharge Elimination System) Waste Discharge Permit #101007 Prepared by Oregon Department of Environmental Quality File #64905 - EPA_Review_Comments_WDP_31Dec09.
100012644	02/08/2010	Email Regarding Figure 1 - LWG Letter EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments.
100012645	02/06/2010	Figure 1 - Notes on AOPC Changes from February 2, 2010 Meeting.
100012646	02/05/2010	Letter Regarding EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments.
100012647	02/05/2010	Letter Regarding EPA Preliminary Comments on the Baseline Human Health and Ecological Risk Assessments.
100012659	06/06/2008	Email regarding Number of growth-based low level hits in the r(1).
100012983		Round 2 Sediment Toxicity Test Result Summary.
100012660	08/08/2008	Email transmitting NOAA comments on PCB, TBT and lead TRVs.
100012662	08/08/2008	NOAA comments on PCB, TBT and lead TRVs.
100012664	08/19/2008	Email transmitting NOAA comments on TRVs for DDT and Zinc (mercury, endrin, HCH, lindane).
100012665	08/19/2008	NOAA comments on TRVs mercury, endrin, HCH and lindane.
100012666	09/23/2008	Email transmitting NOAA comments on TRVs for Cd and Cu.
100012685	09/23/2008	NOAA comments on TRVs for copper and cadmium.
100012669	11/23/2008	Email regarding reference stations.
100012701	11/23/2008	PH Tox Refstations.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012693	07/28/2008	Email regarding NOAA comments on first batch of TRVs.
100012984	07/28/2008	NOAA Comments to EPA TRVs Batch One Final.
100012695	08/04/2008	Email regarding NOAA comments on Cu and Cr TRVs.
100012985	08/04/2008	NOAA Comments to EPA TRVs Cu & CR Final.
100012697	08/07/2008	Email regarding NOAA comments on PCB, TBT and lead TRVs.
100012986	08/07/2008	PH LRM tables maps.
100012759	06/30/2009	Email transmitting edits for Project Review Group Technical Memorandum for the Sediment Characterization Report for the Federal Project Post Office.
100012760		Project Review Group Technical Memorandum for the Sediment Characterization Report for the Federal Project Post Office.
100012779	12/24/2009	Email Regarding pH Applicable or Relevant and Appropriate Requirements (ARARs) Package.
100012780	12/24/2009	Spreadsheet With ARARs for Remedial Action at the Portland Harbor Superfund Site (Excel Spreadsheet Attached).
100012781	12/24/2009	Identification of Applicable or Relevant and Appropriate Requirements (ARARs) Letter; Regulations, Guidance, Etc. Determined Not to Be ARARs.
100012782	12/24/2009	Letter Providing EPA's Current List of Potential Applicable or Relevant and Appropriate Requirements (ARARs) for the Portland Harbor Superfund Site.
100012786	01/05/2007	Storm Water Monitoring Work Plan (Revision No. 1), GE Energy - Energy Services, Portland Inspection & Repair Service (I&RS) Center.
100012787	01/01/2007	Revised Figure 4, North Yard MH2 Sampling Equipment Detail, Storm Water Monitoring Work Plan - Revised_SWMP_Figure 4.
100012788	10/10/2005	Letter Regarding Lower Willamette Group (LWG) Comments on the Interim Final DEQ/EPA Joint Source Control Strategy (JSCS).
100012789	10/10/2005	LWG (Lower Willamette Group) Comments on the Interim Final DEQ/EPA Joint Source Control Strategy (JSCS).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012796	04/06/2006	Letter Regarding Portland Harbor Joint Source Control Strategy (JSCS) Milestone Report, March 2006.
100012797	04/06/2006	Enclosure 1: EPA Comments on the Portland Harbor Joint Source Control Strategy (JSCS) Milestone Report. March 2006 - PH JSCS Milestone Report comments 4-6-06.
100012798	04/06/2006	Enclosure 2: Example Milestone Report Tables - PH JSCS Milestone Report Example 4-6-06.
100012838	06/01/2010	Email transmitting vigor draft response.
100012846	06/01/2010	Project Review Group Review of the Sediment Management Plan (SMP) for the Vigor Industrial LLC Dry Docks and 3 Maintenance Dredging at the Portland Ship Repair Yard, Oregon Regulatory Project No. NWP02007-195 (draft with edits).
100012857	06/09/2006	Email Regarding progress reports on modeling and human health.
100012858	06/09/2006	HH Subgroup Progress Report (via email to Managers on June 6) - Progress Report on Human Health, Fate and Transport.
100012859	04/08/2008	Email Regarding Request for Backup for EPA Invoice 2700826S149.
100012860	04/07/2008	Letter Regarding Request for Underlying Backup Regarding EPA Bill No. 2700826S149 and Notice re Future Potential Invocation of Dispute Resolution regarding Charges.
100012861	04/30/2008	Email Regarding RI Indicator Chemical List - for EPA Review.
100012862	04/30/2008	DRAFT for EPA Indicator Chemical Lists_2008042.
100012863	10/30/2008	Email Regarding RI Resolutions.
100012864	10/30/2008	Map Regarding Proposed bioassay reference stations.
100012865	10/30/2008	Memorandum Regarding Review of benthic behavioral studies and acceptance/rejection criteria.
100012866	10/30/2008	Memorandum Regarding Criteria for Identifying Reference Sediment Samples.
100012867	02/17/2010	Email Regarding Risk Management Materials for February 17th Meeting.
100012868	02/17/2010	DRAFT Matrix of Chemicals with HQ > 1 By AOPC.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100012867	02/17/2010	Email Regarding Risk Management Materials for February 17th Meeting.
100012869	02/17/2010	Recommended Risk Management Decision Steps Regarding PRGs.
100012878	12/10/2007	Email Regarding Table of Key Issues and Priorities.
100012879	12/04/2007	Key Issues for Portland Harbor RI, BRA, and FS (2007-12-04_PH RIFS Issues List.xls).
100012880	03/12/2010	Email Regarding Table of PRGs from March 4th Meeting.
100012881	03/10/2010	PRGs for Feasibility Study from EPA - 3/4/2010 Meeting.
100012884	04/27/2011	Email Regarding Trust Certificate LWG 019.
100012885	04/21/2011	Letter Regarding Portland Harbor Superfund Site RI/FS Trust Fund - Claim Certificate LWG-019.
100012886	03/27/2012	Email Regarding Trust Certificate LWG-028.
100012887	03/21/2012	Letter Regarding Portland Harbor Superfund Site RI/FS Trust Fund - Claim Certificate LWG-028.
100012888	10/11/2006	Email Regarding TZW framework for ECO.
100012889	10/11/2006	TZW Evaluation Framework for Ecological Receptors.
100012890	10/11/2006	Email Regarding TZW framework for Human Health.
100012891	10/11/2006	TZW Evaluation Framework for Human Health.
100012892	04/16/2008	Email Regarding TZW Risk Frameworks.
100012893	04/16/2008	TZW Evaluation Framework for BERA.
100012894	04/16/2008	TZW Evaluation Framework for HH.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012903	09/14/2010	Email regarding LRM mapping task (PH LRM BioassyStations 100914.DBF attached).
100012904	09/14/2010	PH LRM BioassyStations 100914.DBF attached.
100012906	10/31/2010	Email regarding hit/no-hit classifications.
100012913	10/31/2010	PH RefTox Thresholds 1010031.doc.
100012910	09/08/2015	Email regarding Portland Harbor River Banks.
100012911	09/08/2015	Google Map Image 2700 NW Front Street - 20150908144451116.
100012914	12/16/2010	Email transmitting revised tables (LRM Report Table 1 5 1011216REV.xls and Table6 PMAXmodel ReliabilityStatistics REV.xlsx attached).
100012918	12/16/2010	LRM Report Table 1 5 1011216REV.xls.
100012919	12/16/2010	Table6 PMAXmodel Reliability Statistics REV.xlsx.
100012936	09/10/2015	Email regarding LWG Model Predictions for Fish Tissue.
100012937	09/10/2015	Portland Harbor RI/FS Attachment 1 - LWG Model Predictions for Small Mouth Bass (9-10-15).
100012940	09/11/2015	Email regarding FS Section 2 Tables.
100012941	09/11/2015	Table 2.2-4 RAO 1 PRG Derivation Portland Harbor Superfund Site - 2015-07-29 Draft Final FS Section 2.2 Tables_forEPA_08032015.
100012951	12/16/2010	Email transmitting revised tables (PH_AIIData_PR5_101216.DBF and PH AIIData PR5 101216.xls attached).
100012953	12/16/2010	PH AIIData PR5 101216.DBF.
100012959	12/16/2010	PH AIIData PR5 101216.xls.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100012967	12/17/2010	Email transmitting revised tables (PH_AllData_PR5_101217.DBF and PH AllData PR5 101217.xls attached).
100012968	12/17/2010	PH_AllData_PR5_101217.xls.
100012976	12/17/2010	PH_AllData_PR5_101217.DBF.
100012970	04/27/2006	Email regarding Response to EPA Comments on Ro-Mar.
100012994	04/27/2006	Letter regarding Source Control Decision - Ro-Mar Site.
100012995	04/27/2006	Response to Comments from US EPA - Source Control Decision (SCD) - Ro-Mar Site - ECSI #2437.
100012971	05/01/2006	Email regarding Thursday's Stormwater Strategy Meeting, 1:00 - 3:00.
100013005	05/01/2006	Discussion Topic for May 4 Stormwater Strategy Meeting.
100012987	04/22/2011	Email regarding Webinar on Sediment Trend Analysis (STA).
100012990	03/15/2011	Abstract for Webinar Presentation on Sediment Trend Analysis (STA).
100012988	12/17/2010	Email regarding revised tables (PH LRM derivation 101217.doc attached).
100012989	12/17/2010	Draft PH LRM derivation.
100012993	10/12/2005	Email regarding PDXH eco-csm partially revised.
100012998		Draft Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100013001	10/12/2005	Email regarding benthic approach draft memo.
100013002	10/13/2005	Memorandum regarding Benthic Interpretive Approach for the Lower Willamette River Ecological Risk Assessment.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013006	05/02/2007	Email regarding Siltronic Property RI Proposal - NW Natural & Siltronic Properties Source Control Work.
100013014	05/02/2007	Letter regarding Proposal for Remedial Investigation of Manufactured Gas Plant Waste, Siltronic Corporation Property/Source Control Work, Northwest Natural Gas Company and Siltronic Properties.
100013007	05/05/2006	Email regarding Weighting Matrix.
100013008	05/05/2006	Weighting Matrix.
100013013	10/20/2005	Email regarding benthic approach draft memo.
100013015	10/20/2005	Memorandum regarding Benthic Interpretive Approach for the Lower Willamette River Ecological Risk Assessment.
100013017	12/08/2005	Email regarding Summary of the November 21st Benthic Meeting.
100013054		Spreadsheet summarizing the N-qualified results for each chemical.
100013018	05/18/2008	Email regarding Tissue TRV Methodology Comments/Next Steps.
100013009	05/13/2008	Comments on EPA's "Aquatic Biota Tissue TRV Derivation" for Portland Harbor.
100013029	10/08/2015	Email regarding City of Portland comments on Draft FS.
100013030	09/08/2015	Letter regarding Portland Harbor Feasibility Study Comments - City Comments on FS_Final.
100013031	10/09/2015	Email regarding PH FS Comments.
100013032	10/09/2015	Letter regarding EPA Comments on Draft Feasibility Study - FS_Agency_Comments_Final 10-9-15.
100013039	10/30/2015	Email regarding November 2 Gasco EE/CA Meeting.
100013040	10/30/2015	Figure 3.3-40. Sediment and Soil Disposal Decision - Fig3-03-40_20151030_1440.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013042	11/03/2015	Email regarding FS Information Requests.
100013043	10/30/2015	Figure 3.3-40. Sediment and Soil Disposal Decision - 2015-11-03 Fig3-03-40.
100013044	08/11/2015	GIS Riverbank Estimate Assumptions - Annotated Riverbank Quantity Calculations Pages 179-181.
100013045	11/03/2015	Congener upriver Data no SOM - DF congener upriver data no SOM.
100013046	11/06/2015	Q-Q Plot for HxCDF Graph - HxCDF Q-Q.
100013047	11/03/2015	Outlier Tests for Selected Variables replacing nondetects with 1/2 the Detection Limit - HxCDF_outlier.
100013048	10/22/2015	UCL Statistics for Data Sets with Non-Detects - HxCDF_UCL.
100013049	10/22/2015	Background Statistics for Data Sets with Non-Detects - HxCDF_UPL.
100013055	12/12/2005	Email regarding Summary of the November 21st Benthic Meeting.
100013010	12/06/2005	Memorandum regarding Summary of November 21st Benthic Meeting.
100013056	12/15/2005	Email regarding response to LWG benthic meeting summary.
100013011	12/15/2005	Response to Windward's summary of the Portland Harbor Benthic Predictive Approach meeting held on November 21, 2005 in Seattle.
100013057	05/17/2006	Email regarding Thursday's Stormwater Meeting (9-11 at BES).
100013058	05/17/2006	Suggested Agenda for May 18 Stormwater Strategy Meeting.
100013059	05/17/2010	Email regarding PCB Mass Balance.
100013061	05/17/2010	Text of email for PCB Mass Balance.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013060	12/20/2005	Email regarding Portland Harbor Biological Opinion.
100013012	08/19/2005	Letter regarding Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the NW Natural Removal Action at the Gasco Site, Portland Harbor.
100013062	05/25/2011	Email regarding 5/25 DEQ/EPA Meeting.
100013063	05/25/2011	Agenda 5/25/11 DEQ/EPA Source Control Integration into PH ROD.
100013064	05/31/2010	Email regarding DEQ Comments on Draft RI/BRA.
100013067	05/31/2010	Portland Harbor Remedial Investigation Comment Tables.
100013065	12/20/2005	Email regarding Portland Harbor Biological Opinion.
100013066	08/20/2002	Letter regarding Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Act Essential Fish Habitat Consultation for the Construction of a Barrier Wall at the McCormick and Baxter Creosoting Company Site, Portland, OR.
100013068	06/02/2010	Email regarding PO Bar Dredging.
100013072	06/02/2010	PO Bar NMFS BO Conditions.
100013083	06/24/2009	PO Bar PRG Determination (With Marginalia) - Memo re Project Review Group Technical Memorandum for the Sediment Characterization Report for the Federal Project Post Office Bar.
100013070	01/24/2006	Email regarding Riparian Areas - Next Steps Conference call Tuesday @ 10am.
100013075	01/12/2006	Memorandum regarding Mapping and Analysis of potential riparian areas on the Lower Willamette River.
100013073	01/19/2006	Email regarding Upstream Database.
100013069	01/19/2006	Lower Willamette Group Sediment Survey Inventory.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013077	01/25/2006	Email regarding Upstream stations by study.
100013080		Map showing upstream indicators.
100013085	06/02/2010	Email regarding Notes from Recon Eval Discussion.
100013086	06/02/2010	Text of Email for Notes from Recon Eval Discussion.
100013087	06/02/2010	Notes from DEQ/EPA Discussion on 6/1/10.
100013098	06/14/2012	Email regarding PTM Definition Memo and Figures.
100013099	02/02/2007	Section 6, Figure 2: Maximum Exceedance of PEC SLV by either DDD, DDE, or DDT within Individual Sediment Sample Grid Cells.
100013150	02/02/2007	Memo Regarding Updated Definitions Arkema EE/CA Work Plan for Internal Review - Task Order Submittal Contract No. 68-S7-03-04 Task Order 003B.
100013151	02/02/2007	Section 6, Figure 1: Maximum Exceedance of Bioaccumulative SLV by either DDD, DDE, or DDT within Individual Sediment Sample Grid Cells.
100013154	02/14/2006	Email regarding Portland Harbor watershed database and mapping project.
100013200	02/14/2006	Spreadsheet showing Portland Harbor watershed database and mapping project.
100013169	11/16/2015	Email regarding Gasco EE/CA Meeting: Follow-up Information.
100013170	11/16/2015	Gasco Sediments Site 2009 Statement of Work Waste Suitability Determination Framework - 2009 SOW Waste Management Framework.
100013171	10/01/2015	GASCO Sediments Administrative Settlement Agreement - Gasco AOC and SOW.
100013176	11/24/2015	Email regarding Groundwater Figures.
100013177	01/15/2015	Portland Harbor RI/FS Remedial Investigation Report Figure 1.2-20a - h - Figure 1.2-20_2011-08-29_DF RI Sec4_GW Plume Maps.
100013178	09/08/2009	Figure 1.2-21 Portland Harbor Doane Lake Area map - Figure 1.2-21_DEQ Doane Lake GW overview map_2010.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013186	02/23/2015	Email regarding Portland Harbor FS Section 2.
100013187	02/23/2015	Portland Harbor RI/FS Draft Feasibility Study Report Section 2 - 2015_02_23 Portland Harbor FS Section 2.
100013188	02/23/2015	Appendix B1 - Human Health Risk-Based Preliminary Remedial Goal (PRG) Derivation - 2015-02-23 Appendix B1_HH PRGs.
100013189	02/23/2015	Appendix B2 - Ecological Risk-Based Preliminary Remediation Goal (PRG) Derivation - 2015-02-23 Appendix B2_Ecological PRGs.
100013190	02/23/2015	B1 - Table Portland Harbor Human Health Risk PRGs - 2015-02-23 Table B1_Portland Harbor HH PRGs.
100013191	02/23/2015	Table B-2 Risk-Based Ecological PRGs - 2015-02-23 Table B2_Portland Harbor Eco PRGs.
100013192	02/23/2015	Draft Map of Comparison of Risk Areas to be Remediated - 2015-02-23_Figure 2.2-2 PRG-Footprints.
100013193	02/23/2015	Table 2.1-1-3 - 2015-02-23_Table 2.1-01-03_ARARs.
100013194	02/23/2015	Table 2.1-4 Numeric Standards Associated with Chemical-Specific ARARs - 2015-02-23_Table 2.1-04_ARAR Chem Values Table.
100013195	02/23/2015	Table 2.2-1 Summary of Portland Harbor PRGs by RAO and Media - 2015-02-23_Table 2.2-01_PRG Summary.
100013196	02/23/2015	Table 2.1-2 Summary of COC Selection Process - 2015-02-23_Table 2.2-02_COC Selection Rationale.
100013197	02/23/2015	Table 2.1-3 Basis for Portland Harbor COC Selection by RAO and Media - 2015-02-23_Table 2.2-03_Final PH COCs.
100013267	02/23/2015	Table 2.2-4 RAO 1 PRG Derivation - 2015-02-23_Table 2.2-04_RAO1 PRG Derivation.
100013268	02/23/2015	Table 2.2-5 RAO 2 PRG Derivation - 2015-02-23_Table 2.2-05_RAO2 PRG Derivation.
100013269	02/23/2015	Table 2.2-6 RAO 3 PRG Derivation - 2015-02-23_Table 2.2-06_RAO3 PRG Derivation.
100013270	02/23/2015	Table 2.2-7 RAO 4 PRG Derivation - 2015-02-23_Table 2.2-07_RAO4 PRG Derivation.
100013271	02/23/2015	Table 2.2-8 RAO 5 PRG Derivation - 2015-02-23_Table 2.2-08_RAO5 PRG Derivation.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013186	02/23/2015	Email regarding Portland Harbor FS Section 2.
100013272	02/23/2015	Table 2.2-9 RAO 6 PRG Derivation - 2015-02-23_Table 2.2-09_RAO6 PRG Derivation.
100013273	02/23/2015	Table 2.2-10 RAO 7 PRG Derivation - 2015-02-23_Table 2.2-10_RAO7 PRG Derivation.
100013274	02/23/2015	Table 2.2-11 RAO 8 PRG Derivation - 2015-02-23_Table 2.2-11_RAO8 PRG Derivation.
100013275	02/23/2015	Table 2.2-12 Basis for Portland Harbor PRGs by RAO and Media - 2015-02-23_Table 2.2-12_Basis for Selected PRGs.
100013276	02/23/2015	Table 2.4-1 Initial Screening of Remedial Technologies and Process Options - 2015-02-23_Table 2.4-01.
100013277	02/23/2015	Table 2.4-2 Technology and Process Options Screening Summary - 2015-02-23_Table 2.4-02.
100013203	02/24/2006	Email regarding Food Web Modeling (FWM) comments.
100013155	02/24/2006	NOAA's comments on the Food Web Modeling Report: Evaluating TrophicTrace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site.
100013204	07/08/2011	Email regarding Portland Harbor BHHRA Review Comments.
100013206	07/08/2011	Oregon DEQ Comments on the Portland Harbor DRAFT Final Baseline Human Health Risk Assessment (BHHRA).
100013205	02/27/2006	Email regarding NOAA comments on draft Foodweb Model evaluation report for Portland Harbor RI/FS.
100013159	02/24/2006	NOAA's comments on the document titled Food Web Modeling Report: Evaluating TrophicTrace and the Arnot and Gobas Models for application to the Portland Harbor Superfund Site.
100013212	07/17/2012	Email regarding NW Natural, DEQ's Initial General Comments on the Draft Gasco Sediments Cleanup Site EE/CA.
100013215	07/17/2012	DEQ's Initial General Comments on the Draft Gasco Sediments Cleanup Site EE/CA.
100013224	04/04/2006	Email regarding NOAA comments on Arkema SLVs for soils and sediments.
100013218	04/04/2006	NOAA's comments on the sediment screening levels proposed by Arkema for use in the EE/CA to delineate risk at this site.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013225	07/18/2012	Email regarding EPA's 3/15/04 Letter.
100013227	03/15/2004	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240 - RI/FS Work Plan.
100013232	08/09/2012	Email regarding NW Natural, Revised Groundwater Source Control Construction Design Report Comments Letter.
100013235	05/04/2012	EPA Comments on the Revised Groundwater Source Control Construction Design Report - NW Natural GASCO Site, Portland, Oregon (Dated January 2012).
100013243	07/18/2012	Oregon DEQ's Comments to 1) NW Natural's Nov. 4, 2011 Responses to the Sept. 22, 2011 Modeling-Related Comments on the Revised Interim Design Report; and 2) Appendix F of the Revised GW Source Control Construction Design Report.
100013248	08/09/2012	Letter Regarding the Revised Groundwater Source Control Construction Design Report -Shoreline Segments 1 and 2, NW Natural Property and the Northern Portion of the Siltronic Corporation Property - Portland, Oregon - ECSI Nos. 84 and 183.
100013249	08/12/2010	Email regarding Public Hearing for Post Office Bar 401 Certification.
100013250	08/30/2010	Notice of Public Hearing (August 30, 2010) - Proposed 401 Water Quality Certification for Maintenance Dredging of the Federal Navigation Channel in the Lower Willamette River at Post Office Bar.
100013255	07/28/2006	Email regarding Lamprey and Sturgeon Studies for the PH RI/FS.
100013313	07/28/2006	NOAA's comments on EPA's preliminary decision regarding the Round 3 scope of work for Pacific lamprey and white sturgeon under the Portland Harbor Superfund Site Ecological Risk Assessment (EcoRA).
100013256	08/18/2006	Email regarding NOAA comments on revised draft Arkema EE/CA workplan.
100013257	08/18/2006	NOAA's comments on the Revised Draft Engineering Evaluation/Cost Analysis Work Plan for the Arkema Removal Action at the Portland Harbor Superfund Site, Portland, Oregon.
100013261	09/11/2006	Email regarding Comments: Ammocoete FSP.
100013323	09/11/2006	Comments on the Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Lamprey (Lampetra sp.) Ammocoete Tissue.
100013263	07/07/2006	Email regarding NOAA comments on benthic interpretive approach report for Portland Harbor.
100013254	07/06/2006	NOAA's comments on the Portland Harbor Superfund Site Ecological Risk Assessment Interpretive report: Estimating Risk to Benthic Organisms Using Predictive Models Based on Sediment Toxicity Tests (Draft).

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013278	11/25/2015	Email regarding Portland Harbor Information Request.
100013279	11/24/2015	Portland Harbor RI/FS Cost Estimate Backup Draft Feasibility Study Tables 6-7 - Anchor QEA Erosion Control Unit Costs.
100013280	07/17/2015	Technology Assignments Alternative B Maps - Fig3-06-02_Tech-Assign-AltB.
100013281	11/25/2015	Technology Assignments Alternative D -Maps - Fig3-06-04_Tech-Assign-AltD.
100013282	07/17/2015	Technology Assignments Alternative E Maps - Fig3-06-05_Tech-Assign-AltE.
100013283	07/17/2015	Technology Assignments Alternative F Maps - Fig3-06-06_Tech-Assign-AltF.
100013284	07/17/2015	Technology Assignments Alternative G Maps - Fig3-06-07_Tech-Assign-AltG.
100013285	07/14/2015	Highly Toxic PTW Contours (Surface Sediment) Map - Figure 3.2-05_PTW-Concentrations.
100013286	09/14/2015	Quantity Backup for Sheet Pile and Silt Curtains - Quantity Backup for Sheet Pile and Silt Curtains.
100013288	06/02/2015	Email regarding Portland Harbor FS Section 2.
100013289	06/02/2015	Appendix B1 – Human Health Risk-Based Preliminary Remediation Goal (PRG) Derivation - 2015-06-02 Draft Final Appendix B1_HH PRGs.
100013290	06/02/2015	Appendix B1 - HH PRGs - 2015-06-02 Draft Final Appendix B1_Table B1_HH PRGs.
100013291	06/02/2015	Appendix B2 - Ecological Risk-Based Preliminary Remediation Goal (PRG) Derivation - 2015-06-02 Draft Final Appendix B2_Ecological PRGs.
100013292	06/02/2015	Table B-2 Risk-Based Ecological PRGs - 2015-06-02 Draft Final Appendix B2_Table B2_Eco PRGs.
100013293	05/26/2015	Figure 2.2-2 Comparison of Risk Areas to be Remediated - 2015-06-02 Draft Final Figure 2.2-2 PRG & river bank-Footprints.
100013294	06/02/2015	Draft Final Feasibility Stud Section 2.2 Tables - 2015-06-02 Draft Final FS Section 2 2 Tables.
100013295	06/02/2015	Portland Harbor RI/FS Draft Final Feasibility Study Report Section 1 - 2015-06-02 Draft Final Portland Harbor FS Section 1.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013288	06/02/2015	Email regarding Portland Harbor FS Section 2.
100013296	06/02/2015	Portland Harbor RI/FS Draft Final Feasibility Study Report Section 2 - 2015-06-02 Draft Final Portland Harbor FS Section 2.
100013297	06/02/2015	Table 2.4-1 Initial Screening of Remedial Technologies and Process Options - 2015-06-02 Draft Final Table 2.4-01.
100013298	06/02/2015	Table 2.4-2 Technology and Process Options Screening Summary - 2015-06-02 Draft Final Table 2.4-02.
100013299	06/02/2015	Table 2.4-3 CAD/CDF Disposal Option Summary - 2015-06-02 Draft Final Table 2.4-3 CAD_CDF Evaluation Matrix.
100013300	06/02/2015	Table 2.1-1-3 - 2015-06-02 Draft Final Tables 2.1-1 through 2.1-3 ARARs.
100013311	01/29/2015	Email regarding Pilot studies for bacterial remediation.
100013312	01/27/2015	Bacteria enlisted for Passaic River cleanup - Bacterial remediation 1-27-15.
100013315	08/25/2006	Email regarding T4 30% design comments.
100013316	08/24/2006	NOAA's comments on the Design Analysis Report (Conceptual 30 Percent Design Deliverable), Terminal 4 Early Action, Port of Portland, Portland, Oregon and associated documents.
100013322	09/15/2006	Email regarding Trustee Comments: Round 3 Sampling for Lamprey (Lampetra sp.) Ammocoete Tissue.
100013338	09/15/2006	Comments on the Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Lamprey (Lampetra sp.) Ammocoete Tissue.
100013341	10/20/2006	Email regarding NOAA comments on lamprey QAPP.
100013343	10/20/2006	NOAA's comments on the Round 3 Lamprey Ammocoete Toxicity Testing Quality Assurance Project Plan Draft.
100013352	11/17/2006	Email regarding review of chinook data.
100013368		Review of Round 2 Subyearling Chinook Tissue Data Report.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013354	11/29/2006	Email regarding NOAA review of 2005 juvenile chinook data report.
100013346	11/29/2006	NOAA's review of the Round 2 draft Round 2 Subyearling Chinook Tissue Data Report.
100013371	11/28/2006	Email regarding Logistic Regression SQVs.
100013372		Spreadsheet showing Logistic Regression SQVs.
100013405	06/08/2006	Email regarding Revised Modeling Objectives Matrix.
100013722		Suggested Revisions to Modeling Objectives Matrix Based on May 17 Conference Call with EPA.
100013410	05/14/2007	Email regarding benthic risk documents - on public side of ftp site.
100013518	05/14/2007	Accessing NOAA OR&R FTP Site (Public).
100013418	05/19/2010	Email regarding EPA comments on QEAFate modeling presentation.
100013419	05/18/2010	EPA Comments on May 4, 2010 Qeafate Model Presentation.
100013510	05/07/2007	Email regarding Benthic Risk Data Gaps.
100013511	05/07/2007	Notes regarding Portland Harbor benthic risk.
100013513	05/03/2007	Table showing benthic risk areas.
100013514	05/08/2007	Email regarding one-page weighted benthic risk areas.
100013515	05/07/2007	Benthic Risk Lines of Evidence: Sediment Bioassay & Predictive Models.
100013519	05/29/2007	Email regarding follow up.
100013520	05/25/2007	Areas of Potential Benthic Risk.

**Portland Harbor AR Related Documents**  
 Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013533	01/04/2010	Email Regarding Permit Application, Vigor Insdstry, Dredging in Swan Island Lagoon.
100013534	08/12/2009	Joint Permit Application Form, Vigor Insdustrial.
100013535	01/10/2012	Email Regarding Portland Harbor Baseline Ecological Risk Assessment (BERA) DRAFT Comments.
100013536	01/10/2012	DEQ (Dept. of Environmental Quality), DRAFT Comments on Appendix G, Baseline Ecological Risk Assessment (BERA), 07/01/2011.
100013537	01/04/2011	Certified Mail, Letter Regarding 60 Day Notice to Remedy or Intent to File Suit.
100013538	01/13/2011	Email Regarding Audubon Objection to Dredging, Consultations with NMFS (UNCLASSIFIED).
100013539	01/17/2013	Email Regarding Briefing Materials for TCT 01/23/2013 Meeting, City of Portland Stormwater Outfalls Source Investigation and Control Project.
100013540	01/17/2013	Briefing for TCT on City of Portland Stormwater Outfalls Source Investigation and Control Project.
100013541	01/17/2013	Briefing for TCT on DEQ's (Dept. of Environmental Quality) Approach to Recontamination Evaluation and Upland Source Control Summary Report.
100013544	01/25/2010	Email Regarding DEQ's (Dept. of Envrionmental Quality) Reliability Figure.
100013545		Reliability Figure 3 A, Example Reliability Measures of Screening Criteria.
100013547	02/03/2010	Email Regarding Rhone Poulenc Groundwater Discharge to the Willamette River.
100013546	05/06/2009	Letter Regarding 04/07/2009 SLLI/DEQ/EPA Meeting Summary RP (Rhone Poulenc) – Portland Site.
100013549	01/29/2009	Unvalidated Reconnaissance Groundwater Volatile Organic Compound (VOC) Results, RP (Rhone Poulenc) Portland Site.
100013552	02/10/2012	Email Regarding PH Recontamination Evaluation Strategy Discussion.
100013550	12/13/2011	DRAFT Portland Harbor (PH) Source Control (SC) Recontamination Evaluation (RE) Strategy Considerations.
100013551	04/09/2010	Letter Regarding EPA Comments on DRAFT Recontamination Evaluation Work Plan - Zidell Waterfront Property.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013552	02/10/2012	Email Regarding PH Recontamination Evaluation Strategy Discussion.
100013553	11/09/2010	Email Regarding Additional PH Data Sets.
100013554	05/03/2010	Email Regarding Arkema - Upland Draft Wall - Groundwater Extraction Treatment System Design.
100013555	01/13/2012	Initial EPA Comments on Storm Water Source Control Recontamination Evaluation Strategy Considerations Terminal 4 Slip 1 and Slip 3 Upland Facilities.
100013560	02/12/2008	Email Regarding Stormwater Modeling Results.
100013556	01/01/2008	Model Results Summary.
100013558		Scenario Comparisons By Model Segment.
100013559		Summary Table of Observed and Estimated PCB 106 and 118 Concentrations in Sediment and Fish Tissue By Scenario.
100013563	02/14/2006	Email Regarding Round 3 Data Gap Sample, City Stormwater Outfall #43.
100013561		City Stormwater Outfall #43.
100013562	11/09/2010	Email Regarding Additional PH Data Sets.
100013565	12/14/2007	Email regarding LWG Responses on EPA F&T Comments Related to Data Needs.
100013764		Responses to EPA F&T Comments on Draft Chemical Fate and Transport Model Development and Data Gaps Identification Report, Responses Related Data Needs Only.
100013765		Surface Water Sampling Events and Average Flow Year.
100013571	06/07/2007	Email regarding benthic risk documents.
100013584	05/30/2007	Excel spreadsheet: EPA proposed.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013578	06/08/2009	Email regarding Bioassay Interpretation at Portland Harbor.
100013579	06/08/2009	Portland Harbor ToxRef Chart.
100013580	07/14/2009	Email regarding Summary of Sediment Bioassay Interpretation Resolution.
100013581		Portland Harbor ToxRef Compare chart.
100013588	06/07/2007	Email regarding benthic risk - next steps.
100013590		Attachment 1 - Benthic Risk Data Gaps Evaluation Process.
100013594	06/21/2007	Email regarding R3 data gaps/issues for discussion with LWG.
100013596	06/14/2007	Round 3B Data Gaps: Portland Harbor RI/FS.
100013598	11/09/2007	Email regarding contaminant maps.
100013600	11/09/2007	Draft Portland Harbor R3 Upstream Bioassay.
100013631	06/06/2008	Email regarding Number of growth-based low level hits in the round 2 report.
100013577	06/06/2008	Round 2 Sediment toxicity test result summary.
100013632	11/23/2008	Email regarding reference stations.
100013633	11/23/2008	Portland Harbor Toxicity Reference Stations.
100013665	09/20/2012	Email regarding Arkema EE/CA Review Comments.
100013668	09/20/2012	Final Oregon DEQ Comments on the July 26, 2012 Draft Engineering Evaluation and Cost Analysis (EE/CA) Arkema Early Action.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013666	06/12/2009	Email regarding Bioassay Interpretation at Portland Harbor.
100013669	06/12/2009	Portland Harbor ToxRef Chart.
100013672	09/21/2011	Email regarding NWP Soil Capping Maps.
100013676	09/21/2011	Figures 1, 2, & 4 - Northwest Pipe Co. Work Areas.
100013680	09/22/2011	Email regarding NW Natural, DEQ Comments on the Draft Groundwater SCMs Design.
100013687	06/29/2011	EPA Comments on Draft Groundwater Source Control Final Design Report NW Natural GASCO Site, Portland, Oregon (Dated May 2011).
100013693	09/22/2011	Oregon DEQ Comments on Draft Groundwater Source Control Final Design Report NW Natural GASCO Site, Portland, Oregon (Dated May 2011).
100013695	09/22/2011	Letter Regarding Draft Groundwater Source Control Measures Final Design Report - Shoreline Segments 1 and 2, NW Natural Property and the Northern Portion of the Siltronic Corporation Property - Portland, Oregon - ECSI Nos. 84 and 183.
100013699	06/16/2011	Letter Regarding US ACE Comments on the Draft Groundwater Source Control Final Design Report, NW Gasco Site, May 2011.
100013682	09/23/2009	Email regarding Archived samples - copy of letter.
100013686	08/27/2009	Letter regarding Portland Harbor Round 1 Tissue Samples.
100013688	08/18/2010	Email regarding Benthic Meeting - Time Change.
100013691	08/18/2010	Excel spreadsheet: ph model reliability.
100013692	08/18/2010	Excel spreadsheet: ph model adj.
100013700	08/17/2010	Portland Harbor LRM Derivation.
100013689	10/13/2011	Email regarding Arkema - Eco Soil Screening Levels for PCDDs and PCDFs.
100013701	10/12/2011	Letter regarding Ecological Soil Screening Level Values for PCDDs and PCDFs Arkema, Portland ECSI #398.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013689	10/13/2011	Email regarding Arkema - Eco Soil Screening Levels for PCDDs and PCDFs.
100013704	10/13/2011	Attachment to October 12, 2011 DEQ Review of Ecological Soil Screening Levels for PCDDs and PCDFs.
100013697	03/02/2010	Email regarding LWG Extension Request EPA Performance Standards for Confined Disposal Facilities.
100013698	02/24/2010	Letter regarding February 18, 2010 EPA Performance Standards for Confined Disposal Facilities.
100013711	08/24/2010	Email regarding Benthic Meeting - Followup.
100013713	08/24/2010	Excel spreadsheet: ph models pcttoxic.
100013725	11/17/2010	Email regarding Draft LWG FS Source Control Status Table.
100013716	11/15/2010	EPA Comments on Portland Harbor Feasibility Study Source Tables - November 15, 2010.
100013727	09/27/2010	Email regarding LRM model derivation.
100013730	09/24/2010	Development of Logistic Regression Models for Portland Harbor.
100013731	11/29/2012	Email regarding Final Recontamination Evaluation Strategy Docs.
100013719	02/12/2002	Memo regarding Principles for Managing Contaminated Sediment Risks at Hazardous Waste Sites.
100013720	11/29/2012	Portland Harbor Source Control Recontamination Evaluation Strategy.
100013733		Harbor-Wide Recontamination Evaluation Elements, Data/Info Sources, and Timeline.
100013737	02/09/2010	Email regarding LWG ARARs list discussion.
100013738	02/09/2010	Response to LWG ARARs Questions.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013741	04/10/2012	Email regarding EPA and DEQ slides.
100013742	04/10/2012	Portland Harbor Source Control Update Presentation.
100013743	04/19/2010	Email regarding Draft Notes from April 8 EPA/DEQ/City mtg re: SW source control.
100013744	04/08/2010	DRAFT Meeting Notes DEQ/EPA/BES Meeting on Stormwater Source Control.
100013745	04/20/2011	Email regarding Ells Presentation?
100013746	02/09/2011	Developing Sediment Cleanup Levels Protective of Human Health for Interim and Final Actions at Superfund Sites.
100013747	04/21/2011	Email regarding Remedial Technology and Alternative Screen.
100013748	04/21/2011	Feasibility Site Wide Table.
100013749	04/22/2010	Email regarding Jan 2010 meeting notes.
100013750	03/03/2010	Email regarding Conclusions from 1/28/10 DEQ/EPA ARARs Meeting.
100013751	09/20/2010	Email regarding FS Source Control Table - Gould.
100013752	09/20/2010	Table 14. AOPC 14: Status of Adjacent or Immediately Upstream Current Ongoing and Potentially Ongoing Upland and Overwater Sources.
100013763	10/03/2010	Email regarding LRM.
100013766	10/03/2010	Excel Spreadsheet: PH pmax50.
100013768	10/03/2010	Excel Spreadsheet: PH pmax50_75.
100013875	10/03/2010	Excel Spreadsheet: PH pmax75.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013877	12/05/2006	Email Regarding Portland Harbor Fate & Transport segments.
100013878	12/05/2006	Fate and Transport Sections
100013878	12/05/2006	Fate and Transport Sections
100013879	12/06/2006	Fate & Transport Segments.
100013880	12/05/2006	Email Regarding Portland Harbor Fate & Transport segments.
100013881	12/05/2006	Fate & Transport Segments.
100013882	12/06/2006	Email Regarding Spatial data.
100013883	12/06/2006	Portland Harbor: Spatial Data Outline.
100013884	12/07/2006	Email Regarding SCRA vs. QM Data Bases.
100013885		Portland Harbor Hexachlorobutadiene Rep.
100013886	12/08/2006	Email Regarding QM and River Mile.
100013887	12/08/2006	Clam Total PAH Identity.
100013888	12/13/2006	Email Regarding Spatial data request (GIS) to LWG.
100013889	12/13/2006	Spatial Data Layers (GIS) request.
100013894	12/28/2006	Email Regarding NOAA T4 60 percent comments.
100013895	12/27/2006	NOAA's comments on the Design Analysis Report (Conceptual 60 Percent Design Deliverable), Terminal 4 Early Action, Port of Portland, Portland, Oregon.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013896	01/11/2007	Email Regarding FPM revised.
100013897		FPM SQV Revised.
100013900	01/26/2007	Email Regarding "Rule of Five" presentation.
100013901	01/26/2007	Using the 'Rule of Five' to Determine Ecologically Protective Clean-Up Goals at Superfund Sites.
100013902	01/26/2007	Email Regarding Upstream Chemicals.
100013903	01/26/2007	Upstream Chemicals - Cumulative Distribution.
100013904	01/26/2007	Email Regarding Upstream Chemicals.
100013905	01/26/2007	Chromium, total (PPM) - Surface Sediment Cumulative Distribution.
100013906	01/26/2007	Email Regarding Upstream Data.
100013907	01/26/2007	Total PCB (PPB) calculated - Surface Sediment Cumulative Distribution.
100013908	01/29/2007	Email Regarding Upstream Chemicals.
100013909	01/29/2007	Selected Upstream Chemicals: Surface Sediment.
100013910	02/01/2007	Email Regarding Projectors, screens for next week.
100013911	02/01/2007	Portland Harbor Round 2 Data Review: Surface and Ground Water Sampling Locations.
100013912	02/01/2007	Email Regarding sturgeon field work coordination/draft call for schedules
100013913	09/08/2006	Schedules_Sturgeon_ISA.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100013914	02/05/2007	Email Regarding Presentation materials.
100013915	02/05/2007	Portland Harbor Superfund Site Schematic - Potential Sources.
100013916	02/08/2007	Email Regarding sturgeon field work coordination/draft call for schedules.
100013917	09/08/2006	Schedules_Sturgeon_ISA.
100013918	02/09/2007	Email Regarding Spatial data request (GIS) to LWG.
100013919	12/13/2006	Spatial Data Layers (GIS) request.
100013920	02/09/2007	Email Regarding revised sturgeon FSP.
100013921	02/02/2007	Justification for Collection and Potential Analysis of Individual Sturgeon Tissues: Relationship to assessment and measurement endpoints for maintenance of white sturgeon populations in the lower Willamette River.
100013922	03/14/2007	Email Regarding first cut at spatial/graphical depiction of benthic risk.
100013923	03/14/2007	Benthic Series_070314
100013924	03/14/2007	PH_Benthic_Weight_070314
100013925	03/18/2007	Email Regarding preliminary comments.
100013926	03/18/2007	PH_Prelimcomments_JF_070317
100013929	05/07/2007	Email Regarding benthic risk data gaps.
100013930	05/07/2007	Benthic Risk Lines of Evidence: Sediment Bioassay & Predictive Models.
100013938	10/31/2010	Email regarding Hit/No-Hit Classifications.
100013769	10/31/2010	Portland Harbor RefTox Thresholds.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013945	12/01/2010	Email regarding Potential Impacts to Revised RI and RAs Schedule.
100013946	12/01/2010	Level of Additional Effort Tables 1 and 2.
100013947	12/09/2010	Email regarding Draft Documentation.
100013948	12/08/2010	Development of Logistic Regression Models for Portland Harbor.
100013949	12/08/2010	LRM Report Tables 1-5.
100013978	12/08/2010	LRM Report Tables 6: Probability statistics (Shephard 2010) for selected PMax model for all 3 toxicity levels and PMax thresholds at increments of 0.01 from 0.20 to 0.80.
100013955	12/15/2010	Email regarding Request for Extension to Invoke Dispute; EPA Directed Comments of December 8, 2010.
100013956	12/15/2010	Letter regarding EPA December 8, 2010 Directed RI, BHHRA and BERA Comments Letter.
100013958	12/16/2010	Email regarding PMAX Differences.
100013981	12/16/2010	Chart showing PMAX Difference.
100013959	12/16/2010	Email regarding Revised Tables.
100014023	12/16/2010	Excel Spreadsheet: PH AllData PR5.
100013963	02/14/2008	Email Regarding Comments on DEQ (Dept. of Environmental Quality) Focused Feasibility Study (FFS), Siltronic Corporation.
100013964	12/19/2007	Memo Regarding Comments on Gasco DRAFT FFS (Focused Feasibility Study) Reports.
100013965	02/14/2008	Letter Regarding Focused Feasibility Study (FFS), Siltronic Corporation.
100013966	02/14/2012	Email Regarding DEQ/EPA Riverbank Meeting Summary.
100013967	02/14/2012	Summary of DEQ/EPA 01/25/2012 Riverbank Meeting.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100013969	02/21/2006	Email Regarding Siltronic Corporation, February 1 Meeting Summary.
100013970	02/21/2006	Letter Regarding Source Control Evaluation, Siltronic Corporation.
100013971	02/28/2006	Email Regarding Portland Harbor Lamprey and Sturgeon Meeting.
100013972	03/31/2006	Lamprey and Sturgeon Meeting Availability Calendar.
100013973	03/08/2011	Email Regarding Soil/Sediment Clean Fill Screening Table.
100013974	12/01/2010	Soil/Sediment Clean Fill Screening Table.
100013975	03/10/2010	Email Regarding NW Natural, Gasco Facility, DEQ (Dept. of Environmental Quality) Comments to RI (Remedial Investigation) and Risk Assessment Reports.
100013976	03/10/2010	Letter Regarding Remedial Investigation (RI) and Risk Assessment, NW Natural.
100013977	03/10/2010	Table 1: Tar Pond Area Soil Data and Hazard Quotients.
100014020	12/16/2010	Email regarding Revised Tables.
100014021	12/16/2010	LRM Report Tables 1-5 Revised.
100014022	12/16/2010	LRM Report Table 6 Revised.
100014029	12/07/2011	Email regarding NW Natural and Siltronic, Responses to DEQ's September 22nd Comments and November 2011 Meetings.
100014030	12/07/2011	Letter regarding Responses to DEQ's September 22nd Comments on the Revised Groundwater Source Control Interim Design Report, November 2011 Meeting Summaries, and DEQ's Decisions re: NW Natural's Proposed Source Control Design Framework.
100014038	11/21/2011	Comments on Response to September 22, 2011 Letter Commenting on the May, 2011, Draft Groundwater Source Control Final Design Report, NW Natural GASCO Site, Prepared by Anchor QEA on Behalf of NW Natural and Dated November 4, 2011.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014032	03/31/2011	Email regarding Congressman Blumenauer Mtg April 22nd.
100014041	03/31/2011	Draft Agenda for April 22, 2011 Blumenauer Meeting: RI/FS Update.
100014034	12/17/2010	Email regarding Revised Tables.
100014036	12/17/2010	Excel Spreadsheet: PH AllData PR5.
100014037	12/17/2010	Email regarding Revised Tables.
100014031	12/17/2010	Development of Logistic Regression Models for Portland Harbor.
100014039	12/13/2011	Email regarding Recontamination Evaluation Discussion Info for TCT Meeting (Dec 14th).
100014040	12/13/2011	Portland Harbor Source Control Recontamination Evaluation Strategy Considerations.
100014063	04/21/2011	Email regarding For Bob and Jim - final Exec approved talking points for April 22nd Blumenauer Meeting and financial slide.
100014064	04/21/2011	LWG Talking Points for April 22 Meeting.
100014065	04/21/2011	Email regarding For Bob and Jim - final Exec approved talking points for April 22nd Blumenauer Meeting and financial slide.
100014055	04/01/2011	Powerpoint presentation: Portland Harbor Superfund Site: How Contaminant Cleanup Levels Are Established.
100014150	03/14/2006	Email Regarding Water Screening Levels.
100014151	06/07/2005	Process for Selecting Acute and Chronic Water Screening Levels for the Portland Harbor Surface Water, Groundwater, and Transition Zone Water, DRAFT, 04/29/2005.
100014152	06/17/2005	Memo Regarding Comments on LWG's (Lower Willamette Group) Acute and Chronic Water Screening Levels for Portland Harbor.
100014157	03/29/2010	Email Regarding Portland Harbor SQG (Small Quantity Generators) Comparison.
100014158		Comparison of High SQGs (Small Quantity Generators) from LWG (Lower Willamette Group) Floating Percentile Method.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014159	03/30/2006	Email Regarding Project Meeting to Discuss Scale (Risk)/Facilitator for Framework Discussions.
100014160	04/03/2006	Eco-Human Health Subgroup Meeting – Risk Assessment Scale and Other Issues.
100014161	03/30/2012	Email Regarding Directed Comments Bibliography.
100014162	02/02/2012	Portland Harbor RI (Remedial Investigation)/BRA/FS (Feasibility Study) Documents.
100014163	04/02/2012	Email Regarding OSU (Oregon State University) Superfund Research Program Letter of Support.
100014164	03/30/2012	Letter Regarding Support of the Renewal and Proposed Activities of Oregon State University's (OSU) Superfund Research Program (SRP).
100014165	04/04/2006	Email Regarding Summary of Monday's Meeting - Review by 1:00 on Wednesday.
100014166	04/03/2006	Eco-Human Health Subgroup Meeting – Risk Assessment Scale and Other Issues, DRAFT Meeting Summary.
100014167	04/04/2006	Email Regarding Summary of Monday's Meeting - Review by 1:00 on Wednesday.
100014168	04/03/2006	Eco-Human Health Subgroup Meeting – Risk Assessment Scale and Other Issues, DRAFT Meeting Summary.
100014169	04/05/2006	Email Regarding Summary of Monday's Meeting - Review by 1:00 on Wednesday.
100014245	04/03/2006	Eco-Human Health Subgroup Meeting – Risk Assessment Scale and Other Issues, DRAFT Meeting Summary.
100014214	01/10/2011	Email regarding Portland Harbor Round 3 Fish Analysis and Compositing.
100014215	10/27/2009	Portland Harbor RI/FS Remedial Investigation Report Appendix A4 Calculation of Whole-Body Concentrations for Round 3B Bass and Carp Samples.
100014216	06/11/2012	Email regarding Portland Harbor: Hot Spots.
100014217	06/11/2012	Identifying Hot Spots for Chemical Classes.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014218	08/03/2011	Email regarding PLEASE HELP - Five minute review request - Portland HarborRisk Confusion.
100014219	08/02/2011	Draft Risk Assessments: What's the Difference Notes.
100014247	01/10/2011	Email Regarding Draft Message About Adding PBDEs as Portland Harbor COC.
100014248	08/31/2011	Email Regarding DRAFT SAP for 2011 Small Mouth Bass Collection.
100014251	02/15/2012	Email Regarding Internet Link to 01/01/2012 DEQ (Dept. of Environmental Quality) Milestone Report.
100014264	07/23/2012	Email Regarding DRAFT FS (Feasibility Study) Comments.
100014265	12/21/2012	Email Regarding EPA Comments and Direction on the DRAFT BERA (Baseline Ecological Risk Assessment).
100014266	01/03/2011	Email Regarding Directed Comments and Extended Deadlines.
100014268	02/01/2012	Email Regarding DRAFT FS (Feasibility Study) Outreach Planning.
100014269	02/01/2012	Email Regarding DRAFT FS (Feasibility Study) Outreach Planning.
100014340	07/24/2012	Email Regarding Eco Management Recommendations.
100014341	07/23/2012	Email Regarding Eco Management Recommendations.
100014344	08/16/2010	Email Regarding DRAFT Source Control Decision (SCD), Evraz Oregon Steel Mill (EOS) Site.
100014343	08/23/2010	Email Regarding DRAFT Source Control Decision (SCD), Evraz Oregon Steel Mill (EOS) Site.
100014348	10/10/2005	Email Regarding LWG (Lower Willamette Group) Response to EPA Comments on DRAFT Conceptual Site Model (CSM).
100014346	10/10/2005	Letter Regarding Response to EPA Comments on DRAFT Conceptual Site Model (CSM) Update.
100014347	10/10/2005	Response to EPA Comments DRAFT Conceptual Site Model (CSM) Update (Dated 09/17/2004).

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100014351	02/10/2006	Email Regarding LWG (Lower Willamette Group) Minutes from Centralia Meeting and Additional Questions.
100014352	12/13/2005	Meeting Minutes from Portland Harbor Data Gaps Clarification Meeting.
100014353	02/10/2006	Letter Regarding Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Round 2 Quality Assurance Project Plan Addendum 6: Sampling of Benthic Invertebrate Tissue.
100014354	02/09/2006	Letter Regarding Lower Willamette Group's (LWG) DRAFT Follow-Up Questions Regarding Identification of Round 3 Data Gaps for the Portland Harbor RI/FS (Remedial Investigation/Feasibility Study).
100014355	02/16/2006	Email Updated Non-LWG (Lower Willamette Group) Data and Round 2A Archived Subsurface Data Posted on PH Portal.
100014356	01/01/2010	Message Regarding Changes to Data Sets Posted on PH Portal.
100014421	05/16/2008	Email Regarding TRV comments.
100014422	05/16/2008	Comments on the Draft Tissue TRV Development Approach.
100014423	06/10/2008	Email Regarding NOAA comments on tissue proposed TRV derivation methodology.
100014424	06/10/2008	NOAA's comments on EPA's June 5, 2008 draft proposal for deriving aquatic biota tissue residue values (TRVs) using a species sensitivity distribution (SSD) approach for the Portland Harbor Superfund Site.
100014429	07/28/2008	Email Regarding NOAA comments on first batch of TRVs.
100014430	07/28/2008	NOAA's comments on EPA's first batch of proposed TRVs (for cadmium, arsenic, and antimony).
100014431	08/04/2008	Email Regarding NOAA comments on Cu and Cr TRVs.
100014432	08/04/2008	NOAA's comments on EPA's proposed TRVs for copper and chromium.
100014437	08/07/2008	Email Regarding NOAA comments on PCB, TBT and lead TRVs.
100014438	08/07/2008	NOAA's comments on EPA's proposed TRVs for polychlorinated biphenyls (PCBs), tributyltins (TBT) and lead.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014439	08/08/2008	Email Regarding NOAA comments on PCB, TBT and lead TRVs.
100014440	08/08/2008	NOAA's comments on EPA's proposed TRVs for polychlorinated bi-phenyls (PCBs), tributyltin (TBT) and lead.
100014441	08/19/2008	Email Regarding NOAA comments on TRVs for DDT and Zinc.
100014442	08/19/2008	NOAA's comments on EPA's proposed TRVs for mercury, endrin, hexachlorocyclohexane (HCH) and lindane.
100014443	09/23/2008	Email Regarding NOAA comments on fish TRVs for Cd and Cu.
100014444	09/23/2008	NOAA's comments on EPA's proposed fish TRVs for copper and cadmium.
100014451	02/16/2009	Email Regarding Sample document TSMD Draft Final Technical Report (text).
100014452	02/16/2009	PH_ToX_RefStations_090212.
100014453	02/23/2009	Email Regarding Feb 17 GIS tool meeting.
100014454	02/23/2009	Portland Harbor Meeting Feb 17, 2009.
100014457	04/17/2009	Email Regarding Some initial thoughts on organizing GIS Tool output.
100014458	04/17/2009	Email Regarding Portland Harbor AOPC development conceptual process 4/17/2009.
100014460	05/11/2009	Email Regarding PH data retreat follow up.
100014461	05/11/2009	AOPC Development May 2009 Primarily Surface Sediment.
100014462	02/12/2010	Email Regarding Portland Harbor RI comments.
100014463	02/12/2010	Portland Harbor Remedial Investigation Comment Tables due March 5.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014466	03/23/2010	Email Regarding NOAA comments on PH BERA elements -- fish.
100014467	03/23/2010	Portland Harbor Remedial Investigation Comment Tables.
100014468	04/06/2010	Email Regarding EPA spreadsheet with summary results of the Portland Harbor baseline ecological risk assessment (BERA).
100014469	04/06/2010	2010-04-06_PHSummaryBERAHQsLOE.
100014470	11/07/2010	Email Regarding sums---missing info.
100014471	10/11/2007	PH_missing_sums_101107
100014472	12/07/2010	Email Regarding Surface Sediment Stations Excluded from BERA.
100014474	10/12/2007	PH_AllData_PR5_101207
100014479	04/28/2011	Email Regarding DRAFT Source Control Decision (SCD), General Electric Site.
100014481	04/21/2011	Email Regarding DRAFT Source Control Decision (SCD), General Electric Site.
100014485	02/27/2006	Email Regarding Letter from NRD Trustees.
100014486	02/27/2006	Letter Regarding Trustee Information Needs Related to Integrated Remedial Investigation and Natural Resource Damage Assessment Efforts.
100014487	02/27/2006	Report Regarding Sturgeon and Lamprey Information Issues.
100014488	11/24/2008	Email Regarding Archived Samples Request from Trustee Council.
100014489	11/24/2008	Letter Regarding LWG archived samples from the data collection for the RI/FS.
100014490	04/01/2009	Email Regarding Trustee comments regarding RAOs.
100014491	04/01/2009	Letter Regarding Trustee Comments on 2009 LWG & EPA Memorandums.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014492	08/05/2009	Email Regarding RAO edits.
100014503	08/04/2009	Portland Harbor Site Remedial Action Objectives Edits.
100014496	01/08/2013	Email Regarding DRAFT Source Control Decision (SCD), Peninsula Iron Works Property.
100014513	01/03/2013	Email Regarding DRAFT Source Control Decision (SCD), Peninsula Iron Works Property.
100014506	12/09/2010	Email Regarding FS Habitat Values.
100014507	12/09/2010	Letter Regarding Trustee Council Request for Habitat Equivalency Analysis Values.
100014572	06/05/2006	Email Regarding LWG (Lower Willamette Group) Lamprey Sturgeon Proposed Studies.
100014573	06/02/2006	Letter Regarding Lamprey/Sturgeon Studies With DRAFT Lamprey/Sturgeon Data Quality Objectives for Ecological Risk Assessment Table.
100014574	06/14/2006	Email Regarding Notes from 06/14/2006 Benchmark/Deliverable Schedule Discussion.
100014575	06/14/2006	Benchmark/Deliverable Schedule.
100014576	07/20/2006	Email Regarding LWG (Lower Willamette Group) Letter Requesting EPA Cost Documentation.
100014577	07/18/2006	Letter Regarding Request for Underlying EPA Cost Documentation.
100014578	07/20/2006	Email Regarding LWG (Lower Willamette Group) Letter on EPA Comments and Directives.
100014579	07/19/2006	Letter Regarding Portland Harbor Superfund Site, USEPA Comment Letters.
100014580	10/11/2006	Email Regarding Lamprey DRAFT Field Sampling Notes Summary.
100014581	10/11/2006	Copy of DRAFT Ammonoete Summary, 10/10/2006.
100014582		Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Comprehensive Round 2 Site Characterization Study, Contoured Surface Sediment Texture, Percent Fines.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014580	10/11/2006	Email Regarding Lamprey DRAFT Field Sampling Notes Summary.
100014583	10/10/2006	Integral Field Copy of Lamprey Daily Summary.
100014584	11/07/2006	Email Regarding LWG (Lower Willamette Group) Transmittal of Technical Review of SQV (Sediment Quality Values) for TPH (Total Petroleum Hydrocarbons).
100014585	11/03/2006	A Review of Proposed TPH (Total Petroleum Hydrocarbons) Sediment Quality Values (SQV) and an Alternative Method to Define Hydrocarbon Values for Portland Harbor.
100014586	11/03/2006	Letter Regarding Transmittal of A Review of Proposed TPH (Total Petroleum Hydrocarbons) Sediment Quality Values (SQV) and an Alternative Method to Define Hydrocarbon Values for Portland Harbor.
100014587	11/17/2006	Email Regarding LWG (Lower Willamette Group) Lamprey Tissue Analysis Proposal.
100014588	11/14/2006	Letter Regarding Round 3 Sampling for Lamprey (Lampetra sp.) Ammocoete Tissue.
100014589	12/15/2006	Email Regarding LWG (Lower Willamette Group) Lamprey Field Sampling Report 1 of 2.
100014590	12/15/2006	Round 3 Lamprey (Lampetra sp.) Sampling Locations.
100014591	12/15/2006	Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Round 3 Sampling for Lamprey (Lampetra sp.) Tissue Field Sampling Report, DRAFT.
100014609	10/26/2007	Email regarding Oregon EPHT Newsletter.
100014611	10/26/2007	Environmental Public Health Tracking Newsletter - Fall 2007 Issue 5.
100014619	03/25/2008	Email regarding Breast Milk Contamination Health Consultation.
100014633	02/25/2008	Letter regarding (DRAFT) PCB in Breast Milk at Portland Harbor.
100014624	04/22/2008	Email regarding Breast Milk.
100014625	04/18/2008	DRAFT Memo regarding Risk Assessment Evaluation of Breast Feeding Pathway (With Comments).

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Doc ID	Doc Date	Doc Title
100014627	10/07/2009	Email regarding Human Milk Collaboration.
100014629	10/07/2009	Comparison of Estimated PCB-153 Concentrations in Human Milk Using Various Pharmacokinetic Models.
100014673	09/01/2009	Risk Assessment Model Comparisons.
100014628	01/11/2006	Email regarding agenda for 1/11 PH Managers meeting.
100014630	01/11/2006	Letter regarding Portland Harbor RI/FS Round 3 Data Gaps.
100014641	11/14/2005	Email regarding Integration Meeting Follow-up.
100014647		Draft Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100014645	05/19/2008	Email regarding Letter Health Consultation (Final).
100014646	05/19/2008	Letter regarding (DRAFT) PCB in Breast Milk at Portland Harbor (With Appendix).
100014648	05/29/2008	Email regarding True Final Breast Milk Letter.
100014626	05/29/2008	Letter regarding (DRAFT) PCB in Breast Milk at Portland Harbor (With Appendix).
100014654	01/12/2006	Email regarding Gasco Meeting - Follow Up.
100014632	12/19/2005	Letter regarding Preliminary Draft Offshore Groundwater Field Sampling Approach, Gasco/Siltronic Groundwater Source Evaluation.
100014656	12/19/2005	Memorandum regarding Preliminary Identification of Technologies and Alternatives for Groundwater Source Control, NW Natural Gasco Site, Portland, Oregon.
100014657	11/23/2005	Letter regarding Groundwater Source Control, NW Natural - Gasco/Siltronic Facilities.
100014658	01/06/2011	Email Regarding Comments on LWG's Dec. 14th Presentations.
100014659	01/03/2011	Memorandum Regarding Comments on LWG Portland Harbor Feasibility Study presentations made on December 14, 2010.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014663	03/13/2006	Email regarding LWG Background Tech Memo.
100014664	02/27/2006	Portland Harbor RI/FS Technical Memorandum: Approach to Determining Background.
100014669	10/14/2009	Email regarding PHA and BHHRA Comparison.
100014676	10/14/2009	Comparison of the Initial Release Version of the Portland Harbor Public Health Assessment and the Draft BHHRA.
100014671	12/20/2006	Email Regarding 12-20 Memo from Tech Team to Managers and Revised Outfall Summary Table.
100014672	12/20/2006	Revised Outfall Summary, DRAFT.
100014674	10/08/2009	Email regarding Public Health Assessment for Portland Harbor.
100014675	10/06/2009	Public Health Assessment - Initial Release.
100014677	05/19/2010	Email regarding Portland Harbor Public Health Assessment.
100014681	05/20/2010	Fact Sheet: Portland Harbor Superfund Site - Recreational User Health Assessment Completed.
100014739	05/20/2010	Portland Harbor Public Health Assessment - Public Comment Release.
100014741	05/20/2010	Press Release: Oregon Public Health Officials Release Health Assessment for Recreational Use of Portland Harbor.
100014685	03/06/2007	Email Regarding Erratum, Comprehensive Round 2 Report Appendix G – Ecological Risk Assessment (ERA) Portland Harbor RI/FS (Remedial Investigation/Feasibility Study).
100014686	03/01/2007	Erratum, Comprehensive Round 2 Report Appendix G – Ecological Risk Assessment (ERA) Portland Harbor RI/FS (Remedial Investigation/Feasibility Study).
100014687	05/01/2007	Email Regarding Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Round 3 Sampling of White Sturgeon Tissue, Field Sampling Report.
100014688	02/16/2007	Appendix A, Procedure for Sampling Fish, Collecting Tissues, and Conducting an External Fish Health Assessment.
100014689	05/01/2007	Appendix B, Natural Resource Trustees Supplemental Data Collection.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100014687	05/01/2007	Email Regarding Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Round 3 Sampling of White Sturgeon Tissue, Field Sampling Report.
100014690		Round 3 White Sturgeon (Acipenser transmontanus) Tissue Sampling Locations.
100014691	05/01/2007	Portland Harbor RI/FS (Remedial Action/Feasibility Study) Round 3 Sampling of White Sturgeon Tissue Field Sampling Report.
100014694	06/21/2007	Email Regarding Storm Sample, Matrix, Status of Stormwater Outfall Composite Water Samples.
100014695		Storm Sample, Matrix, Status of Stormwater Outfall Composite Water Samples.
100014698	12/03/2007	Email Regarding LWG (Lower Willamette Group) Request on RSET (Regional Sediment Evaluation Test) Data.
100014699	11/30/2007	Letter Regarding LWG (Lower Willamette Group) Request on RSET (Regional Sediment Evaluation Test) Data
100014700	12/17/2007	Email Regarding LWG (Lower Willamette Group) Letter to EPA and Trustees Regarding Lamprey Toxicity Proposal.
100014835	12/12/2007	Letter from LWG (Lower Willamette Group) to EPA and Trustees Regarding Lamprey Toxicity Proposal.
100014705	04/09/2007	Email Regarding data gaps memo.
100014706	04/09/2007	Letter Regarding Yakama Nation's Submittal of Comments for Portland Harbor RI/FS Comprehensive Round 2 Site Characterization Summary & Data Gaps Analysis Report (R2 Data Report).
100014707	04/17/2007	Email Regarding Additional YN comments....
100014708	04/17/2007	Letter Regarding Yakama Nation's Submittal of Comments for the Portland Harbor RI/FS Comprehensive Round 2 Site Characterization Summary & Data Gaps Analysis Report (R2 Data Report).
100014709	04/20/2007	Email Regarding Yakama Nation's Submittal of Comments for Phase 1 Tox Testing.
100014710	04/20/2007	Letter Regarding Yakama Nation's Submittal of Comments for the RI/FS, Round 3 Lamprey, Phase 1 Toxicity Testing Report.

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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014711	10/09/2007	Email Regarding Comments on LWG's Lamprey Toxicity Interpretive Memo.
100014712	09/21/2007	Memorandum Regarding Brief Review of "Memorandum: Summary of Lamprey Ammocoete Tissue Analysis", Windward Environmental, September 12, 2007.
100014721	01/07/2008	Email Regarding EPA SL BERA comments 080107.
100014722	01/07/2008	Memorandum Regarding Comments on the Ecological Risk Assessment Approach.
100014723	01/25/2008	Email Regarding IAP Scoping Meeting.
100014724	01/03/2008	Letter Regarding notice of intent to perform an Injury Assessment for the Portland Harbor Superfund site.
100014729	05/12/2008	Email Regarding MOA.
100014730	04/04/2008	3 TREATY TRIBES-ACTION AGENCY AGREEMENT: MEMORANDUM OF AGREEMENT AMONG THE UMATILLA, WARM SPRINGS AND YAKAMA TRIBES, BONNEVILLE POWER ADMINISTRATION, U.S. ARMY CORPS OF ENGINEERS, AND U.S. BUREAU OF RECLAMATION.
100014731	05/14/2008	Email Regarding Lamprey status.
100014732	05/14/2008	Letter Regarding Lamprey protection level.
100014737	06/08/2009	Email Regarding Yakama Nation Letter of Withdraw from the PH Trustee Council.
100014738	06/05/2009	Letter Regarding Portland Harbor Natural Resource Trustee Council - Yakama Nation's Withdrawal.
100014742	02/27/2006	Email regarding Letter from NRD Trustees.
100014750	02/23/2006	Sturgeon and Lamprey Information Issues - Lower Willamette River NPL Site Response & Restoration Purpose (Appendix 1).
100014752	02/27/2006	Letter regarding Trustee Information Needs Related to Integrated Remedial Investigation and Natural Resource Damage Assessment Efforts.

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Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014758	02/09/2007	Email regarding Revised Sturgeon FSP.
100014759	02/09/2007	Letter regarding Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Pre-Breeding White Sturgeon ( <i>Acipenser transmontanus</i> ) Tissue.
100014798	02/09/2007	Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Pre-Breeding White Sturgeon ( <i>Acipenser transmontanus</i> ) Tissue.
100014764	10/02/2006	Email regarding Next Stormwater Strategy meeting Oct 5.
100014772	10/02/2006	Stormwater Evaluation Powerpoint Presentation.
100014778	10/02/2006	Text of Stormwater Evaluation Powerpoint Presentation with comments by Dawn Sanders.
100014769	11/24/2008	Email regarding Archived Samples Request from Trustee Council.
100014771	11/24/2008	Letter regarding Archived Samples Request from Trustee Council for the RI/FS.
100014777	04/01/2009	Email regarding Trustee Comments Regarding RAOs.
100014781	04/01/2009	Letter regarding Trustee Comments Regarding RAOs.
100014780	10/19/2006	Email regarding LWG/EPA/DEQ stormwater meeting.
100014782	10/26/2006	Draft Agenda for DEQ/EPA/LWG Meeting on Stormwater in Portland Harbor.
100014783	08/05/2009	Email regarding RAO Edits.
100014784	08/04/2009	Portland Harbor Site Remedial Action Objectives.
100014790	12/09/2010	Email regarding FS Habitat Values.
100014793	12/09/2010	Letter regarding FS Habitat Values and Habitat Equivalency Analysis (HEA).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014817	01/14/2008	Email regarding Materials for Jan 17 stormwater meeting.
100014818	01/17/2008	Agenda for DEQ-EPA Meeting on January 17, 2008.
100014819	01/14/2008	DEQ's Comprehensive Strategy for Stormwater Source Control in Portland Harbor.
100014820	01/17/2008	Email regarding Materials for Jan 17 stormwater meeting.
100014821	07/01/2007	City of Portland Outfall Project: Conceptual Remedial Investigation and Source Control Evaluation.
100014822	02/19/2008	Email regarding Draft notes from last night.
100014825	02/13/2008	Draft Questions and Answers during Arkema Presentation, Portland Harbor Community Advisory Group, February 13, 2008.
100014826	02/19/2008	Email regarding Portland Harbor breastfeeding risk.
100014827	02/01/2008	Calculation of Potential Risk from Consumption of Breast Milk.
100014828	10/18/2006	Email regarding Thursday's stormwater mtg and PPT presentation.
100014829	10/26/2006	Stormwater in Portland Harbor: What is DEQ Doing About It? Presentation.
100014832	11/01/2006	Email regarding Surface Water SLVs.
100014873	11/01/2006	Toxics Criteria Tables.
100014874	02/04/2005	Water Quality Criteria Summary.
100014836	12/18/2007	Email Regarding LWG (Lower Willamette Group) Letter on Round 3B Sediment Sampling Between River Miles 11 and 12.
100014837	12/17/2007	Letter from LWG (Lower Willamette Group) on Round 3B Sediment Sampling Between River Miles 11 and 12.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100014838	02/07/2008	Email Regarding Select List of Requested Clarifications from EPA's 01/15/2008 Round 2 Report Comments.
100014839	02/07/2008	Select List of Requested Clarifications from EPA's 01/15/2008 Comments on the Round 2 Report.
100014842	02/29/2008	Email Regarding Round 3 Pre-Breeding White Sturgeon (Acipenser transmontanus) Tissue Data Report.
100014843	02/29/2008	Memo Regarding Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Round 3 Pre-Breeding White Sturgeon (Acipenser transmontanus) Tissue Data Report, DRAFT.
100014845	02/29/2008	Portland Harbor RI/FS (Remedial Investigation/Feasibility Study) Round 3 Pre-Breeding White Sturgeon (Acipenser transmontanus) Tissue Data Report, DRAFT.
100014847	03/19/2008	Email Regarding LWG (Lower Willamette Group) Memo on Pacific Lamprey and EPA Eco-Risk Assessment Problem Formulation Document.
100014848	03/04/2008	LWG (Lower Willamette Group) Memo on Pacific Lamprey and EPA Eco-Risk Assessment Problem Formulation Document.
100014856	04/08/2008	Email regarding Request for Backup for EPA Invoice 2700826S149.
100014857	04/07/2008	Request for Underlying Backup Regarding EPA Bill No. 2700826S149 and Notice re Future Potential Invocation of Dispute Resolution regarding Charges.
100014858	04/16/2008	Email regarding TZW Risk Frameworks.
100014859		TZW Evaluation Framework for BERA.
100014860		TZW Evaluation Framework for HH.
100014864	06/11/2008	Email regarding Recent Meeting Summary Notes.
100014865	05/28/2008	Fate and Transport Meeting Summary - May 28, 2008.
100014867	06/04/2008	PRG Meeting Summary - June 4, 2008.
100014868	06/05/2008	Stormwater Loading Methods Meeting Summary - June 5, 2008.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100014872	03/24/2011	Email regarding Siltronic, WS-33-81 DNAPL TCE Data and Data Trends.
100014923	03/24/2011	Letter regarding Monitoring Well WS-33-81, DNAPL Data Summary - Siltronic Corp. - Portland, Oregon.
100014875	12/01/2006	Email regarding Stormwater model documentation.
100014876	11/30/2006	A Rate Constant Model for Estimating Stormwater Impacts on the Lower Willamette River.
100014877	12/11/2006	Email regarding Tasks related to evaluating risk to fish themselves.
100014878	12/11/2006	Fish Dietary and Tissue Residue Analysis (for analysis of risk to fish themselves).
100014879	12/27/2006	Email regarding Updated site list.
100014880	12/27/2006	Stormwater Sampling Sites as agreed to at 12-22 PH Mgr Mtg.
100014881	01/25/2007	Email regarding Review Comments on Arkema Groundwater Source Control Scoping Memo.
100014882	01/25/2007	Letter regarding Former Arkema Portland Plant Scoping Technical Memorandum Groundwater Source Control Interim Remedial Measure.
100014883	05/02/2007	Email regarding Siltronic Property RI Proposal - NW Natural & Siltronic Properties Source Control Work.
100014884	05/02/2007	Letter regarding Proposal for Remedial Investigation of Manufactured Gas Plant Waste, Siltronic Corporation Property/Source Control Work, Northwest Natural Gas Company and Siltronic Properties.
100014885	07/23/2007	Email regarding Updated Joint Source Control Screening Level Values.
100014886	07/16/2007	Portland Harbor Joint Source Control Strategy Table 3.1 Footnotes.
100014887	07/16/2007	Portland Harbor Joint Source Control Strategy Table 3-1 Revision.
100014888	09/26/2007	Email regarding TCT meeting tomorrow - DEQ conference Room C; Round 3B Sediment Maps.
100014889	12/13/2006	Overview of OSM Riverbank Figure 1-2.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014888	09/26/2007	Email regarding TCT meeting tomorrow - DEQ conference Room C; Round 3B Sediment Maps.
100014890	09/26/2007	Riverbank Soil Total Aroclor Distribution Figure 5-2.
100014891	09/26/2007	Riverbank Conceptual Site Model: Extent of Slag and Aroclor Exceedances of JSCS Toxicity SLVs.
100014892	02/14/2008	Email regarding Siltronic, FFS Comments Letter.
100014893	12/19/2007	Memorandum regarding Comments on Gasco Draft FFS Reports.
100014894	02/14/2008	Letter regarding Focused Feasibility Study Siltronic Corporation.
100014898	06/23/2008	Email regarding Sediment / Water Contributions to Fish Tissue.
100014899	06/01/2008	Estimating Contaminated Stormwater Impacts in Portland Harbor Presentation.
100014900	06/23/2008	Estimating Contaminated Stormwater Impacts on Sediment and Fish in Portland Harbor Paper #307.
100014903	10/02/2008	Email regarding Round 3 Detection Limits - Fish Tissue.
100014904	10/02/2008	Round 3 Detection Limits - Fish Tissues Tables.
100014905	12/10/2008	Email regarding Siltronic, Revised EIB Work Plan Comments.
100014906	11/20/2008	Letter regarding Siltronic Corporation Revised Enhanced In-Situ Bioremediation Source Control Work Plan.
100014907	12/10/2008	Letter regarding Revised Enhanced In-Situ Bioremediation Work Plan Siltronic Corporation.
100014908	08/12/2009	Email regarding Siltronic, EIB Performance/Effectiveness Plan Comments.
100014909	08/12/2009	Letter regarding Enhanced In-Situ Bioremediation Performance/Effectiveness Plan Siltronic Corporation.

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Doc ID	Doc Date	Doc Title
100014910	10/10/2005	Email regarding LWG response to EPA comments on draft CSM.
100014911	10/10/2005	Letter regarding Portland Harbor Response to EPA Comments on Draft Conceptual Site Model Update.
100015076	09/17/2004	Response to EPA Comments Draft Conceptual Site Model Update.
100014913	12/08/2008	Email regarding Nov. 18 Meeting Notes - NWN, DEQ, EPA Gasco Meeting.
100014924	11/18/2008	Notes from Gasco Source Control Meeting - November 18, 2008.
100014914	07/20/2010	Email regarding Stormwater "Message".
100014925	04/08/2010	Meeting Notes for the April 8, 2010 DEQ/EPA/BES Meeting on Stormwater Source Control.
100014927	07/20/2010	Achieving Stormwater Source Control in Portland Harbor (aka the Stormwater "Message").
100014915	02/10/2009	Email regarding Handouts for CAG meeting next Wednesday.
100014926	02/01/2009	Risk Assessment Basics: February 2009 Presentation to the Portland Harbor Community Advisory Group.
100014921	10/11/2011	Email regarding Tool for Crafting Messages.
100014934	10/11/2011	Message Map: Air Quality Advisory.
100014936	10/11/2011	Sample Message Map: Reo's Ribs Restaurants.
100014937	10/11/2011	Sample Message Map: "Draft Report of Independent Review of Northwest Portland ESCO Corporation Alternative Analysis" by Jim Karas.
100014938	10/11/2011	Message Map Template.
100014930	11/01/2012	Email regarding Recontamination Evaluation Meeting Summary & Strategy Update.
100014939		Harbor-Wide Recontamination Evaluation Elements, Data/Info Sources, and Timeline.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014930	11/01/2012	Email regarding Recontamination Evaluation Meeting Summary & Strategy Update.
100014942	02/12/2002	Memo Regarding Principles for Managing Contaminated Sediment Risks at Hazardous Waste Sites.
100014953	11/01/2012	Portland Harbor Source Control Recontamination Evaluation Strategy.
100014950	05/28/2008	Email Regarding LWG (Lower Willamette Group) Data Use Rules.
100014951	05/22/2008	BERA (Baseline Ecological Risk Assessment) Calculated Sum Components.
100014952	05/23/2008	Proposed Data Use Rules and Data Integration for Baseline Human Health Risk Assessment (BHHRA).
100014963	05/23/2008	BHHRA (Baseline Human Health Risk Assessment) Calculated Sum Components.
100014964	05/23/2008	Proposed Data Reduction Rules and Data Integration for BERA (Baseline Ecological Risk Assessment), DRAFT.
100014965	05/28/2008	Table of Post SCRA Data Treatment Summary for the RI and BLRAs.
100014957	11/24/2010	Email regarding Willbridge Dredging Meeting Recap.
100014986	11/24/2010	Wilbridge Cove Multi-Applicant Dredging Proposals Meeting Summary for November 23, 2010.
100014961	10/13/2005	Email Regarding Request for Bruce Hope's assistance.
100014962	10/12/2005	Letter Regarding Request for Assistance from DEQ Regarding the Portland Harbor Food Web Modeling Effort.
100014968	02/06/2009	Email Regarding LWG (Lower Willamette Group) Response to Comments on Comprehensive Round 2 Report, Table 5.1-2.
100014969	02/06/2009	Response to EPA Comments on Comprehensive Round 2 Report, Table 5.1-2.
100014970	02/06/2009	Response to EPA Comments on Round 2 Report, Table 5.1-2 (EPA Letter Dated 01/21/2009).

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100014971	07/24/2009	Email Regarding LWG (Lower Willamette Group) Responses to EPA Comments on the Draft Treatment Beneficial Use Market Survey.
100014972	07/23/2009	LWG (Lower Willamette Group) Responses to EPA Comments on the Draft Treatment Beneficial Use Market Survey.
100014973	10/16/2009	Email Regarding LWG (Lower Willamette Group) Archive Samples Letter.
100014974	10/16/2009	Letter Regarding LWG (Lower Willamette Group) Disposal of Archive Samples.
100014975	10/16/2009	Letter Regarding LWG (Lower Willamette Group) Disposal of Archive Samples.
100014976	10/16/2009	Email Regarding LWG (Lower Willamette Group) Archive Samples Letter.
100014977	10/16/2009	Letter Regarding LWG (Lower Willamette Group) Disposal of Archive Samples.
100014993	10/19/2005	Email Regarding Revised PHSCS quarterly report.
100014994	10/19/2005	QUARTERLY REPORT: Portland Harbor Joint Source Control Strategy.
100014995	11/18/2005	Email Regarding SMA Data Gaps Table.
100014996	11/18/2005	DEQ Sediment Management Area Data Gaps Table.
100014997	11/23/2005	Email Regarding Technical recommendations for the ERA.
100014998	11/23/2005	Technical Recommendations to EPA on the Ecological Risk Assessment for Portland Harbor.
100014999	11/23/2005	DRAFT Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100015000	11/23/2005	Changes to the draft Assessment Endpoint Table.
100015001	11/23/2005	Approach for the Ecological Risk Assessment.
100015002	11/23/2005	DATA NEEDS FOR THE PORTLAND HARBOR ECOLOGICAL RISK ASSESSMENT.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100015003	11/28/2005	Email Regarding Technical recommendations for the ERA.
100015004	11/23/2005	Approach for the Ecological Risk Assessment.
100015005	11/23/2005	Ecological risk assessment conceptual site model for the Portland Harbor Superfund Site.
100015006	12/06/2005	Email Regarding Siltronic, Area 2 Dive Survey Report.
100015007	10/25/2005	Letter Regarding Dive Survey Report – Area 2.
100015010	02/14/2006	Email Regarding Round 3 Data Gap Sample.
100015011	02/14/2006	Diagram of City stormwater outfall #43 location.
100015012	02/16/2006	Email Regarding Siltronic, Draft February 1st Meeting Summary Letter.
100015013	02/16/2006	Letter Regarding Source Control Evaluation - Siltronic Corporation (ECSI No. 183).
100015014	02/21/2006	Email Regarding Siltronic Corporation, February 1 Meeting Summary.
100015015	02/21/2006	Source Control Evaluation: Siltronic Corporation - Portland, Oregon - ECSI No. 183.
100015016	04/04/2006	Email Regarding Summary of Monday's meeting - review by 1:00 on Wednesday.
100015017	04/04/2006	Eco-Human Health Subgroup meeting: Risk Assessment Scale and other issues - April 3, 2006, at the Olympic Club in Centralia WA - DRAFT Meeting summary
100015018	04/04/2006	Email Regarding Summary of Monday's meeting - review by 1:00 on Wednesday.
100015019	04/04/2006	Eco-Human Health Subgroup meeting – Risk Assessment Scale and other issues - April 3, 2006, at the Olympic Club in Centralia WA - DRAFT Meeting summary.
100015020	04/27/2006	Email Regarding Response to EPA comments on Ro-Mar.
100015021	04/27/2006	Source Control Decision- Ro-Mar Site - 9333 N Time Oil Road - Portland, OR - ECSI No. 2437.

**Portland Harbor AR Related Documents**  
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100015020	04/27/2006	Email Regarding Response to EPA comments on Ro-Mar.
100015022	04/27/2006	Response to Comments from U.S. EPA - Source Control Decision (SCD) - Ro-Mar Site - ECSI #2437.
100015023	05/01/2006	Email Regarding Thursday's stormwater strategy meeting, 1:00 - 3:00.
100015024	05/01/2006	DISCUSSION TOPIC FOR MAY 4 STORMWATER STRATEGY MEETING.
100015025	05/17/2006	Email Regarding Thursday's stormwater meeting (9-11 at BES).
100015027	05/17/2011	Suggested Agenda for May 18 Stormwater Meeting.
100015028	05/18/2006	Email Regarding Steps in PH Stormwater Evaluation.
100015029	05/15/2006	Steps in Portland Harbor Stormwater Evaluation - 5/06.
100015030	07/03/2006	Email Regarding Source Control Milestone Report.
100015031	07/03/2006	Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
100015032	07/03/2006	Milestone Report - for Upland Source Control - at the Portland Harbor Superfund Site.
100015033	07/03/2006	Table 1: DEQ Milestone Report - Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor/
100015036	08/22/2006	Email Regarding Stormwater Strategy Update.
100015037	08/21/2006	EVALUATING STORMWATER IN THE CONTEXT OF THE PORTLAND HARBOR RI/FS.
100015038	09/20/2006	Email Regarding Stormwater Strategy Mtg tomorrow (9/21).
100015143	08/24/2006	Stormwater Modeling Using the Fate and Transport Model - Initial Model Runs.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100015058	01/09/2008	Email regarding LWG's Responses to EPA's Fate and Transport Model Comments.
100015059	01/08/2008	Lower Willamette Group (LWG) Responses to EPA's October 15, 2007 Comments on the Draft Chemical Fate and Transport Model Development and Data Gaps Identification Report.
100015062	01/11/2008	Email regarding Letter from LWG on Trust Agreement.
100015063	01/11/2008	Letter regarding Portland Harbor Superfund Site RI/FS Trust Fund Revised Trust Budget Estimate.
100015079	10/28/2005	Email regarding LWG letter on agreements for Round 2B Subsurface Addendum.
100015080	10/26/2005	Letter regarding changes to the LWG's Round 2B Subsurface Addendum to the Round 2 Field Sampling Plan.
100015081	12/14/2005	Email regarding December 13 Data Gaps Clarification Questions.
100015082	12/13/2005	Data Gaps clarification Meeting.
100015089	02/10/2006	Email regarding LWG Minutes from Centralia meeting and additional questions.
100015090	12/13/2005	Portland Harbor Data Gaps Clarification Meeting Agenda.
100015091	02/07/2006	Letter regarding Portland Harbor RI/FS DRAFT Follow-up Questions Identification of Round 3 Data Gaps.
100015092	02/10/2006	Email regarding LWG response to EPA comments on QAPP 6 Benthic Tissue.
100015093	02/10/2006	Letter regarding Portland Harbor RI/FS Round 2 Quality Assurance Project Plan Addendum 6: Sampling of Benthic Invertebrate Tissue.
100015094	02/16/2006	Email regarding NRRG Letter re Portland Harbor Superfund Site and Lamprey.
100015095	02/15/2006	Letter regarding Portland Harbor Natural Resource Damage Assessment.
100015096	02/16/2006	Email regarding Updated non-LWG Data and Round 2A Archived Subsurface Data Posted on PH Portal.
100015097	02/16/2005	List of updates to Database.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100015100	03/27/2006	Email regarding Round 2 revised TZW FSP and Addenda documents.
100015101	03/07/2006	LWG Response to EPA Comments Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan: Attachment 2: Field Sampling Plan - Transitions Zone Water Sampling.
100015102	03/27/2006	Portland Harbor RI/FS Field Sampling Plan Addendum 1.
100015103	03/27/2006	Portland Harbor RI/FS Field Sampling Plan Addendum 2.
100015104	03/27/2006	Portland Harbor RI/FS Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan Attachment 2.
100015107	04/14/2006	Email regarding Comprehensive Round 2 Report - Outline.
100015108	04/14/2006	Outline Comprehensive Round 2 Site Characterization Summary and Data Gaps Report.
100015109	05/09/2006	Email regarding CSM Questions - LWG Response.
100015110	04/14/2006	Outline Comprehensive Round 2 Site Characterization Summary and Data Gaps Report.
100015248	05/05/2006	LWG Response to EPA CSM Questions dated April 14, 2006.
100015113	11/16/2006	Email Regarding Draft Stormwater Matrix.
100015114	11/16/2006	DEQ/EPA/LWG Technical Stormwater Team Sampling Methods Concepts Matrix.
100015115	12/01/2006	Email Regarding Updated Stormwater Table.
100015116	12/01/2006	Storm Water Outfall Summary - Outfalls Targeted for 2006/2007 Water Year.
100015117	01/04/2007	Email Regarding Draft email.
100015118	01/04/2007	Draft EPA Memo to LWG Regarding Stormwater Data (~\$aft EPA memo to LWG).

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100015119	06/15/2007	Email Regarding Linnton survey.
100015121	05/03/2006	Memo Regarding Summary of the Linnton Community Center fish consumption survey and health education activities for the Portland Harbor Superfund Site.
100015122	12/10/2007	Email Regarding Table of Key Issues and Priorities.
100015123	12/04/2007	Key Issues for Portland Harbor RI, BRA, and FS (adapted from E. Blischke's email of 11-27-2007).
100015124	10/30/2008	Email Regarding RI Resolutions.
100015125	10/30/2008	Figure Regarding Proposed bioassay reference stations.
100015126	10/30/2008	Memorandum Regarding Review of benthic behavioral studies and acceptance/rejection criteria.
100015127	10/30/2008	Memorandum Regarding Criteria for Identifying Reference Sediment Samples.
100015128	11/03/2008	Email Regarding R3B Bioassay Sampling FSR.
100015129	03/21/2008	PORTLAND HARBOR RI/FS: DRAFT ROUND 3B COMPREHENSIVE SEDIMENT AND BIOASSAY TESTING FIELD SAMPLING REPORT.
100015135	12/01/2010	Email Regarding Potential Impacts to Revised RI and RAs Schedule.
100015136	12/01/2010	Table 1: Level of Additional Effort Resulting from "New" Information or Analysis Requested in EPA Comments on the Draft RI Report, Baseline Human Health Risk Assessment, and Baseline Ecological Risk Assessment.
100015137	12/15/2010	Email Regarding Request for Extension to Invoke Dispute; EPA Directed Comments of December 8, 2010.
100015138	12/15/2010	Letter Regarding EPA December 8, 2010 Directed RI, BHHRA and BERA Comments Letter.
100015157	02/29/2008	Email regarding Round 3 sturgeon tissue data report to EPA.
100015159	02/29/2008	Portland Harbor RI/FS Round 3 Pre-Breeding White Sturgeon ( <i>Acipenser Transmontanus</i> ) Tissue Data Report.
100015171	02/29/2008	Memorandum regarding Portland Harbor RI/FS Round 3 Pre-Breeding White Sturgeon ( <i>Acipenser Transmontanus</i> ) Tissue Data Report.

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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100015158	11/06/2006	Email regarding Draft Agenda 11/8 PH Managers' Meeting.
100015173	11/03/2006	Agenda Development Notes for the Portland Harbor Managers' Meeting on November 8, 2006.
100015160	03/10/2008	Email regarding February Progress Report for Transmittal to EPA.
100015162	03/10/2008	Lower Willamette River, Portland Harbor Superfund Site: Monthly Progress Report for February 2008.
100015164	01/21/2008	Email regarding Posting for LWG website.
100015165	01/01/2008	Portland Harbor RI/FS Round 3B Side-Scan Sonar Field Sampling Plan.
100015167	02/07/2008	Email regarding Request for Verification of Completion of Round 3B Field Efforts.
100015168	02/07/2008	Round 3B Completion Summary Supporting Tables.
100015169	02/07/2008	Email regarding Select Points of Clarification on EPA's January 15 Round 2 Report Comments.
100015170	02/07/2008	Select List of Requested Clarifications from EPA's January 15, 2008 Comments on the Round 2 Report.
100015176	11/16/2006	Email regarding Draft Stormwater Matrix.
100015177	11/16/2006	DRAFT DEQ/EPA/LWG Technical Stormwater Team Sampling Methods Concepts.
100015178	02/27/2006	Email Regarding Letter from NRD Trustees.
100015179	02/27/2006	Trustee Information Needs Related to Integrated Remedial Investigation and Natural Resource Damage Assessment Efforts.
100015180	02/27/2006	Sturgeon and Lamprey Information Issues Lower Willamette River NPL Site Response & Restoration.
100015181	11/24/2008	Email Regarding Archived Samples Request from Trustee Council.
100015182	11/24/2008	Letter Regarding Lower Willamette Group's (LWG) archived samples from the data collection for the Remedial Investigation and Feasibility Study (RI/FS).

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
100015184	11/07/2006	Email regarding LWG Transmittal of Technical Review of SQV for TPH.
100015174	11/03/2006	Letter regarding Transmittal of "A Review of Proposed TPH Sediment Quality Values and an Alternative Method to Define Hydrocarbon Values for Portland Harbor".
100015175	11/03/2006	A Review of Proposed TPH Sediment Quality Values and an Alternative Method to Define Hydrocarbon Values for Portland Harbor.
100015212	03/28/2008	Email regarding Archived Sample PCB congener analysis letter - for transmittal to EPA.
100015234	03/28/2008	Letter regarding Archived PCB Congener Samples.
100015213	04/01/2009	Email Regarding Trustee comments regarding RAOs.
100015214	04/01/2009	Portland Harbor Trustees review comments pertaining to the LWGs February 27, 2009 Memorandum regarding Work Plan RAOs Revision and Potential New "Management Goals" and EPA's March 6, 2009 Draft RAOs for the Portland Harbor Site.
100015215	05/10/2010	Email Regarding Portland Harbor Trustee Council Letter re: Diver Assistance for Lamprey Bioassays.
100015216	05/10/2010	Letter Regarding Portland Harbor Trustee Council planning of an initial sediment bioassay study on Pacific Lamprey as part of the natural resource damage assessment at the Portland Harbor Superfund Site.
100015217	05/11/2010	Email Regarding Revised Lamprey Study Letter.
100015218	05/11/2010	Letter Regarding Portland Harbor Trustee Council planning of an initial sediment bioassay study on Pacific Lamprey as part of the natural resource damage assessment at the Portland Harbor Superfund Site.
100015221	12/09/2010	Email Regarding FS Habitat Values.
100015222	12/09/2010	LWG follow up letter FS habitat values.
100015223	09/27/2011	Email Regarding Letter regarding LWG request for FS extension.
100015224	09/28/2011	Letter Regarding Portland Harbor Natural Resources Trustee Council response to a request by the Lower Willamette Group (LWG) to delay the date for delivery of the Portland Harbor Draft Feasibility Study.

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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100015225	10/26/2012	Email Regarding final study.
100015226	10/23/2012	FISH CONSUMPTION IN PORTLAND HARBOR.
100015229	11/17/2006	Email regarding LWG Lamprey Tissue Analysis Proposal.
100015231	11/14/2006	Letter regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240. Round 3 Sampling for Lamprey (Lampetra sp.) Ammocoete Tissue.
100015235	04/03/2008	Email regarding PH Background Issue Resolution Status - Revised per April 3 Meeting.
100015232	04/03/2008	Status of Issues from March 12, 2008 EPA-DEQ-LWG Background Approach Technical Meeting, Revised April 3, 2008.
100015243	12/13/2006	Email regarding Materials for Today's Managers Meeting.
100015246	12/13/2006	Memo regarding Framework for Collecting Stormwater Data to Support the Portland Harbor RI/FS.
100015244	04/09/2008	Email regarding March 2008 Portland Harbor Monthly Progress Report.
100015245	04/09/2008	Lower Willamette River, Portland Harbor Superfund Site: Monthly Progress Report for March 2008.
100015253	06/05/2008	Email regarding Background sediment data/revised Data Rules Summary for EPA.
100015255	06/05/2008	Table: Post SCRA Data Treatment Summary for the RI and BLRAs.
100015280	05/30/2008	Sed Bckgr Aroclors for EPA.
100015274	09/29/2006	Email regarding Revised Selenium Result - Clam Tissue Sample LW2-BTFC015.
100015275	09/27/2006	Inorganic Analysis Data Sheet.
100015284	12/15/2006	Email regarding LWG Lamprey Field Sampling Report 1 of 2.
100015288	12/15/2006	DRAFT Portland Harbor RI/FS: Round 3 Sampling for Lamprey (Lampetra sp.) Tissue Field Sampling Report.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100015284	12/15/2006	Email regarding LWG Lamprey Field Sampling Report 1 of 2.
100015294	12/15/2006	DRAFT Figure 2-1: Round 3 Lamprey (Lampetra sp.) Sampling Locations.
100015289	12/20/2006	Email regarding 12-20 Memo from Tech Team to Managers.
100015297	12/20/2006	Memo regarding Feedback from Tech Team on Remaining Methodology Questions and the List of Sampling Sites.
100015296	07/24/2008	Email regarding Degradation Rate Summary.
100015299	07/24/2008	Degradation half lives for select chemicals in soils, sediments and surface waters.
100015300	01/19/2007	Email regarding Comprehensive Round 2 Report Table of Contents.
100015314	01/11/2007	DRAFT Portland Harbor RI/FS Comprehensive Round 2 Report Table of Contents.
100015304	07/25/2008	Email regarding LWG Response to EPA Comments on Upland Source Table.
100015302	07/25/2008	Table 5.1-2: Upland Site Pathway Assessment Summary.
100015305	07/25/2008	Response to January 15, 2008 EPA Comments 127-175.
100015322	02/14/2007	Email regarding EPA Request for R2R List of Appendices.
100015323	02/21/2007	Portland Harbor RI/FS Comprehensive Round 2 Report Table of Contents.
100015324	02/27/2007	Email regarding Location and Agenda for March 1 Round 2 Report Briefing.
100015325	03/01/2007	Agenda for Comprehensive Round 2 Report Briefing Meeting on March 1, 2007.
100015331	06/08/2007	Email regarding Progress Report.
100015340	06/08/2007	Monthly Progress Report for May 2007 - Lower Willamette River, Portland Harbor Superfund Site - USEPA Docket No: CERCLA-10-2001-0240.

**Portland Harbor AR Related Documents**  
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<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100015332	06/21/2007	Email regarding Stormwater Sample Matrix.
100015343	06/16/2007	Stormwater Sample Matrix.
100015342	07/05/2007	Email regarding LWG Application for Section 10 Permit.
100015353	07/03/2007	Application for a Permit for Scientific Purposes Under the Endangered Species Act of 1973, Section 10(a)(1)(A).
100015344	06/27/2007	Email regarding LWG Sediment Sample Disposal.
100015341	06/22/2007	List of LWG Sediment Samples for Disposal.
100015346	12/17/2007	Email regarding LWG Letter to EPA and Trustees re: Lamprey Toxicity Proposal.
100015347	12/12/2007	Letter to EPA Regarding Lamprey Ammonoete Sediment Bioassay Recommendation, Portland Harbor Natural Resource Trustee Council Fish Committee, November 9, 2007 - Portland Harbor Superfund Site USEPA Docket No: CERCLA-10-2001-0240.
100015348	12/20/2007	Email regarding Q4 Sediment Trap Limited Volume Prioritization.
100015364	12/17/2007	Q4 Sediment Trap Limited Volume Prioritization: Table.
100015354	11/09/2007	Email regarding October Progress Report for Transmittal to EPA.
100015355	11/09/2007	Monthly Progress Report for October 2007 - Lower Willamette River, Portland Harbor Superfund Site - USEPA Docket No: CERCLA-10-2001-0240.
100015362	12/18/2007	Email regarding LWG Letter on Sampling above RM 11.
100015363	12/17/2007	Letter Regarding Round 3b Sediment Sampling Between River Miles 11 and 12.
100015365	12/31/2007	Email regarding LWG Trust Agreement.
100015349	12/31/2007	Letter Regarding Portland Harbor Superfund Site RI/FS Trust Fund - Lower Willamette Group.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100015934	01/31/2013	Email transmitting Revised Portland Harbor BHHRA text.
100015937	01/31/2013	Appendix F: Baseline Human Health Risk Assessment (revised main text working draft).
100016027	02/04/2016	Email regarding Environmental Justice Task Force Meeting.
100016029	02/01/2016	Flyer: Get Ready, Engaged & Informed US EPA Holds Community Information Sessions on Portland Harbor.
100016051	04/30/2013	Email regarding Attendees/ Portland Harbor Stakeholders Meeting on 5.1.
100016052	05/01/2013	Portland Harbor Stakeholders Meeting Agenda.
100016057	09/30/2013	Email regarding Portland Harbor Stipulated Penalty Dispute Resolution.
100016058	09/30/2013	Letter regarding Combined Notice of Objection to and Request for Dispute Resolution of EPA's Notice of Demand for Payment of Stipulated Penalties Regarding Baseline Human Health Risk Assessment and Request for Determination.
100016059	09/30/2013	EPA Decision Regarding Portland Harbor Superfund Site.
100016062	12/15/2015	Email regarding Follow-up information for November Portland Harbor calls, part 1 of 3.
100016063	11/18/2015	Portland Harbor Remedial Investigation Presentation to the CSTAG/NRRB.
100016064	01/06/2016	Email regarding Follow-up information for November Portland Harbor calls, part 2 of 3 [Sen. Merkley office inquiry].
100016065	08/17/2015	Figure 4.1-2 Sediment Decision Unites and Key COCOs.
100016066	12/15/2015	Email regarding Follow-up information for November Portland Harbor calls, part 2 of 3.
100016067	11/18/2015	Portland Harbor Feasibility Study Presentation.
100016068	12/15/2015	Email regarding Follow-up information for November Portland Harbor calls, part 3 of 3.
100016069	11/18/2015	Portland Harbor Preferred Alternative Presentation.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
100016068	12/15/2015	Email regarding Follow-up information for November Portland Harbor calls, part 3 of 3.
100016070	10/23/2015	Figure 11-X Selected Technology Assignments, Site-Wide.
100016071	11/17/2015	Email regarding Nov 18 Portland Harbor Congressional Call: Outline & Figures--updated.
100016072	11/18/2015	Portland Harbor Congressional Briefing Outline.
100016073	11/18/2015	Portland Harbor Congressional Briefing Presentation.
100016074	05/28/2014	Email regarding Portland Harbor Superfund site update.
100016075	05/08/2014	Portland Harbor Project Timeline.
100016076	01/28/2016	Email regarding January 29 Portland Harbor call with Sen. Merkley"s office.
100016077	08/17/2015	Figure 4.1-2 Sediment Decision Unites and Key COCs.
100016078	05/15/2014	Email regarding PH schedule.
100016079	05/08/2014	Portland Harbor Project Timeline.
100016080	01/29/2016	Email regarding Portland Harbor figures from FS for Senator Merkley"s office.
100016235	03/18/2015	Rolling Averages All COCs Graphs.
100016236	08/18/2015	Figure 4. 1-3 Comparison of Measured and Predicted Changes in Portland Harbor Sediment Bed Elevation on an SDU Basis.
100016237	08/17/2015	Figures 4.2-1a-b Residual Human Health Cancer Risk for RAO1.
100016238	08/17/2015	Figure 4.2-2a-b Residual Cancer Risk for RAO2.
100016239	08/17/2015	Figures 4.2 3a-3J(2) Residual human Health Non-Cancer Risk for RAO 2 for Child (Year 0 )- TCDF.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100016080	01/29/2016	Email regarding Portland Harbor figures from FS for Senator Merkley's office.
100016240	08/17/2015	Figure 4.2-4a-g Residual Human Health Non-Cancer for RAO2 for Infant (Year 0) -DDx.
100016241	08/17/2015	Figure 4.2- 5a-k Residual Ecological Risk for RAO 5 (Year 0) - BEHP.
100016242	08/17/2015	Figures 4.2-6a-i Residual Ecological Risk for RAO 6 (Year 0) - DDx.
100016133	12/08/2010	Email Regarding EPA Direction on Non-Directed RI/RA Comment Resolution.
100016136	12/08/2010	Letter Regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240 - General Responses to EPA Non-Directed RI, BHHRA and BERA Comments.
100016138	12/08/2010	Attachment 1 - EPA Response to Non-Directed Comment Resolution Tables.
100016144	03/01/2012	Email Regarding Back Into the Fish Consumption Pool.
100016146	02/11/2004	Letter Regarding Portland Harbor Superfund Site; Administrative Order on Consent for Remedial Investigation and Feasibility Study; Docket No. CERCLA-10-2001-0240 - RI/FS Work Plan.
100016167	02/11/2004	EPA Review Comments on Portland Harbor RI/FS Revised Draft Final Programmatic Work Plan.
100016172	02/11/2004	Portland Harbor RI/FS - Summary of Fish Consumption Issues and Their Resolution.
100016149	08/19/2009	Email Regarding Simulation Results.
100016150	08/19/2009	Data Regarding Simulation Results.
100016151	09/11/2009	Email Regarding Simulation Results.
100016152	09/11/2009	Email Regarding Yang Model Results.
100016153	08/27/2009	Yang Lactation Model Results.
100016154	08/27/2009	Yang Mother Loading Model Results.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100016156	09/11/2009	Email Regarding BF Exposure and Risk and Results Spreadsheets.
100016155	09/01/2009	Data Regarding DRAFT Risk Assessment Model, Calculation of Potential Risks from Consumption of Human Milk, BF Exposure and Risk 09/2009.
100016157	09/01/2009	Model Results.
100016159	09/11/2009	Email Regarding Half-Life Used for Simulation.
100016160	09/10/2009	Data Regarding Breastfeeding Results.
100016164	09/22/2009	Email Regarding Key to Shorthand and Units in Data Set, Measured Versus Simulations.
100016165	09/22/2009	Data Regarding Measured Versus Simulations (With Highlighted Text).
100016243	07/24/2013	Email regarding Portland Harbor letter to Sen. Merkley.
100016244	07/09/2013	Letter regarding Portland Harbor Superfund Site.
100016245	07/09/2013	Letter regarding Portland Harbor Superfund Site.
100016246	07/09/2013	Letter regarding Portland Harbor Superfund Site.
100016247	07/09/2013	Letter regarding Portland Harbor Superfund Site.
100016248	03/11/2016	Email regarding Portland Harbor map for Congresswoman Bonamici's office.
100016249	03/11/2016	Study Area to Portland Harbor Remedial Investigation Feasibility Study.
100016364	09/25/2009	Email Regarding Selected Subjects for Runs SOT.
100016363	09/23/2009	Data Regarding Selection of Runs.
100016371	09/25/2009	Data Regarding Selected Subjects for Runs SOT.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100016370	10/21/2009	Email Regarding Recalculations Lipid Percent BF Exposure and Risk.
100016372	10/21/2009	Data Regarding Recalculations Lipid Percent BF Exposure and Risk.
100016785	03/20/2016	Reply to NWN's response to Siltronic request for written determination regarding proper classification and handling of waste for Portland Gas and Coke facility, CERCLA Docket No. 10-2009-0255.
100016795	03/20/2016	Reply to NWN's response to Siltronic request for written determination regarding proper classification and handling of waste for Portland Gas and Coke facility, CERCLA Docket No. 10-2009-0255 Exhibit I.
100016808	03/20/2016	Reply to NWN's response to Siltronic request for written determination regarding proper classification and handling of waste for Portland Gas and Coke facility, CERCLA Docket No. 10-2009-0255 Exhibit A.
100016811	03/20/2016	Reply to NWN's response to Siltronic request for written determination regarding proper classification and handling of waste for Portland Gas and Coke facility, CERCLA Docket No. 10-2009-0255 Exhibit L.
100016789	03/29/2016	Email Regarding Portland Harbor Superfund Update.
100016803	03/31/2016	Agenda for Portland Harbor Superfund Legislators Update.
100016877	06/16/2015	Email Regarding Draft LWG Sr Leaders Agenda.
100016885	06/17/2015	Agenda for the EPA/LWG Senior Leaders Meeting on June 17, 2015.
100019891	04/06/2016	Email regarding PORTLAND HARBOR NPL SITE Letter to EPA Administrator Gina McCarthy.
100019890	03/31/2016	Letter regarding Portland Harbor NPL Site - Consultation on EPA Region 10 Proposed Plan.
100019921	02/20/2016	Email regarding Fish Advisories as ICs.
100019922	02/19/2015	Proposed Changes to FS Language on Institutional Controls.
100019933	02/20/2016	Proposed Fish Advisory Program for Portland Harbor.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
100019927	01/19/2016	Email regarding LWG FS Green Remediation.
100019928	03/30/2012	Draft Portland Harbor RI/FS Appendix N Green Remediation Draft Feasibility Study.
100019929	03/30/2012	Portland Harbor RI/FS Draft Feasibility Study Appendix N: Green Remediation Tables.
100019934	02/27/2016	Email regarding language to consider.
100019935	02/27/2016	Portland Harbor State Edits.
100019936	01/26/2016	Email regarding Top 10 Issues - Proposed Staffing Assignments.
100019937	01/26/2016	Top 10 State Issues for Proposed Plan.
100019938	01/19/2016	Email regarding Top 10 State Issues - Process Table 1-19-16.
100019939	01/19/2016	Top 10 State Issues for Proposed Plan Table.
100019940	02/09/2016	Email regarding Updated Top 10 Issues.
100019941	02/08/2016	Top 10 State Issues for Proposed Plan Table.
500001545	11/28/2012	11_28_12 email; Letter from Five Tribes regarding the BERA.
500001546	11/28/2012	11_28_12 email attachment; BERA_letter_re_species_importance_FINAL.
500003747	03/24/2008	Email forwarding 3/5/08 letter sent to Humphrey and Blischke.
1396371	03/05/2008	Comments on the Lower Willamette Group's Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report, Portland Harbor Superfund.
500018635	10/07/2015	Email regarding Submittal of Final RM11E Porewater Characterization Report.
100006088	10/07/2015	REDACTED Email regarding Submittal of Final RM11E Porewater Characterization Report.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
500019176	02/15/2007	Email regarding Stormwater FSP & QAPP Approval.
500019177	02/15/2007	Portland Harbor RI/FS Round 3A Field Sampling Plan, Stormwater Sampling and Portland Harbor RI/FS Round 2 Quality Assurance Project Plan, Addendum 8: Round 3A Stormwater Sampling - Stormwater FSP approval letter Feb 07.
500019178	02/15/2007	Attachment A Comments on Stormwater FSP - Stormwater FSP approval letter Feb 07-Attachment A.
500019179	04/09/2007	Email regarding Reply to Stormwater Progress and Issues.
500019180	04/08/2007	OF19 Weekly Level, Velocity & Flow Rate Graph - OF19 Sample 2.
500019181	03/24/2007	OF49-COP Weekly Level, Velocity & Flow Rate Graph - OF49.
500019351	06/05/2007	Email regarding Catch Basin sampling at Arkema.
500019352	06/05/2007	Table A6-3, Analytes and Method Reporting Limits for Catch Basin Sediment Samples - Arkema CB sampling plan.
500019360	06/21/2007	Email regarding Stormwater Sample Matrix.
100006097	06/21/2007	REDACTED Email regarding Stormwater Sample Matrix.
500019361	06/19/2007	Status of Stormwater Outfall Composite Water Samples - Storm Sample Matrix_LLJ_0616007_MMT.
500019443	07/25/2007	Email regarding Stormwater Sediment Trap Sample Handling and Analysis Methods.
500019444	07/18/2007	Stormwater Sediment Trap Sample Handling and Analysis Methods - Stormwater Outfall Sed Trap Sample Mass Analytical Aliquots.
500019445	07/18/2007	Table 2. Sediment Trap Sample Prioritization Summary - Showing Target Detection Limit Factors* - Stormwater Summary.
500019451	08/20/2007	Email regarding Stormwater Data Posted.
500019452	06/09/2008	Stormwater Data - 2008-06-09_-_R3a_R3b_T4Spring_Stormwater.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
500019629	10/16/2007	Email regarding Notes from Oct. 16 Stormwater Technical Team Meeting.
500019630	10/16/2007	Table - Data Needs Summary Oct 16.
500019798	01/23/2008	Email regarding LWG Stormwater -- Summary of Fall Sediment Trap Inspections.
500019799	01/22/2008	Portland Harbor RI/FS Round 3B Upland Stormwater Sampling DRAFT -- Fall Sediment Trap Status 1-22-2008.
500020198	06/10/2008	Email regarding NW Pipe drainage basin.
500020199	06/10/2008	Figure 1 Outfall 18 Drainage Basin and Stormwater System Map Burgard Industrial Park -- LWG Stormwater - REVISED Sediment Trap Prioritization.
500020200	06/11/2008	Email regarding Portland Harbor stormwater workgroup meeting.
500020201	06/11/2008	Oregon Water Quality Division Rulemaking Instructions -- Page 1-9 WQRulemakingInstructions.
500020202	06/11/2008	Information Sheet -- Rule Factors -- ruleadoptionfactors.
500020203	06/11/2008	Start Rulemaking Proposal (SRP) -- StartRulemakingProposal.
500020204	06/12/2008	Email regarding Reply to Tomorrow's Stormwater Technical Team Meeting.
500020205	06/12/2008	Project Proposed Sample Locations -- Cascade General drainage basins.
500020206	06/12/2008	Site Features and Sampling Locations Map -- GE Drainage basins.
500020207	06/12/2008	Figure 1 Outfall 18 Drainage Basin and Stormwater System Map Burgard Industrial Park -- NW Pipe drainage basin.
500020208	06/12/2008	Figure 2 Sulzer Pumps, US), Inc. General Site Map -- Sulzer Pump 2 20 2008 SITE MAP.
500020209	06/12/2008	Email regarding Reply to Tomorrow's Stormwater Technical Team Meeting.
500020210	06/11/2008	Stormwater Loading Methods Meeting Summary - June 5, 2008 -- Stormwater June 5 Meeting Notes.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
500020271	06/19/2008	Email regarding Stormwater calculation methods.
500020272	06/16/2008	Stormwater Loading Methods Meeting Summary - June 5, 2008 - Stormwater June 5 Meeting Notes.
4940681706	09/01/2005	Email regarding Plan for Eco Team meetings.
4940681707	09/01/2005	Table Tracking Eco-Team Member Calendars 09/06/2005 - 11/04/2005.
4940681709	09/02/2005	Email regarding Initial data gaps & key questions.
4940681708	09/06/2005	Portland Harbor MOU Meeting Agenda.
4940681711	09/06/2005	Email regarding MOU meeting - briefing memo for your review.
4940681710	09/06/2005	Revised Portland Harbor MOU Meeting Agenda.
4940681715	09/29/2005	Email regarding Oct 3-4 agenda & assignments.
4940681712	09/29/2005	Eco Team Work Session Agenda.
4940681713	09/29/2005	Conceptual Aquatic Food Web Schematic.
4940681714	09/29/2005	Food Chain Image.
4940681716	10/11/2005	Email regarding USACE/NOAA SLOPES III and Environmental Drilling.
4940681717	11/30/2004	Letter regarding Programmatic Biological and Conference Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for Revised Standard Local Operating Procedures for Endangered Species (SLOPES III).
4940681719	10/11/2005	Email regarding Nov 9 meeting hold.
4940681718	10/10/2005	Calendar of Eco Sub Group Availability.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

<b>Doc ID</b>	<b>Doc Date</b>	<b>Doc Title</b>
494068172	10/13/2005	Email regarding JSCS Letter.
4940681720	10/10/2005	Letter regarding Portland Harbor Joint Source Control Strategy.
494068172	10/13/2005	Email regarding LWG comments on JSCS.
4940681722	10/10/2005	Joint Source Control Strategy - LWG Comments.
4940681723	10/10/2005	Letter regarding Lower Willamette Group comments to the Interim Final DEQ/EPA Joint Source Control Strategy (JCS).
494068172	10/13/2005	Email regarding October 17 Eco Team agenda.
4940681725	10/13/2005	Eco Team Work Session Agenda .
4940681727	10/12/2005	Draft Memo regarding Benthic Interpretive Approach for the Lower Willamette River Ecological Risk Assessment.
494068173	10/10/2005	Email regarding Oct 24-25 Eco Team agenda & assignments.
4940681728	10/20/2005	Data Needs Table.
4940681729	10/20/2005	Eco Team Work Session Agenda - October 24-25, 2005.
4940681730	10/20/2005	Draft Proposed Management Objectives for the PH Programmatic Workplan.
4940681731	10/20/2005	Assessment Endpoint Table Changes.
494068173	10/28/2005	Email regarding Nov 1-2 Eco Team agenda & assignments.
4940681733	10/19/2005	Portland Harbor Eco Team Data Needs Table.
4940681734	10/28/2005	Eco Team Work Session Notes.
4940681735	10/28/2005	Eco Team Woirk Session Agenda.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
4940681738	10/30/2005	Email regarding October 31, 2005 Management Meeting.
4940681737	10/27/2005	Draft EPA/DEQ/LWG Managers Meeting Agenda.
4940681739	10/30/2005	LWG Management Meeting Talking Points - Status of EPA Data Gap and Issue Identification Process.
4940681740	10/31/2005	Email regarding Management Objectives and Endpoints.
4940681741	10/30/2005	Information regarding Management Objectives and Assessment Endpoints.
4940681740	11/04/2005	Email regarding Nov 7 Eco Team agenda.
4940681744	11/03/2005	Final Draft Eco CSM.
4940681745	11/04/2005	Eco Team Work Session Agenda - November 7, 2005.
4940681741	11/23/2005	Email regarding Gasco/Siltronic Groundwater Source Control.
4940681748	11/23/2005	Letter regarding Groundwater Source Control - NW Natural - Gasco/Siltronic Facilities - ECSI #84 and #183.
4940681749	12/01/2005	Email regarding Round 3 Data Gaps Memo.
4940681750	12/01/2005	Comments on Identification of Round 3 Data Gaps.
4940681751	12/14/2005	Email regarding Notes from managers meeting.
4940681754	12/13/2005	Notes from Portland Harbor Managers meeting.
4940681751	12/19/2005	Email regarding Preliminary Draft Offshore Groundwater Field Sampling Approach.
4940681756	12/19/2005	Letter regarding Preliminary Draft Offshore Groundwater Field Sampling Approach - Gasco/Siltronic Groundwater Source Evaluation - ECSI #84.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
4940681765	03/24/2006	Email regarding Milestone report.
4940681760	03/01/2006	Milestone Report for Upland Source Control at the Portland Harbor Superfund Site.
4940681761	03/24/2006	Table 1: Results of 1999 DEQ Project Manager evaluation of the potential relationship between in-water sediment contamination and upland sites already in the process of cleanup.
4940681762	03/24/2006	Table 2: Sites identified by DEQ in 1999 as part of the Portland Harbor Site Discovery Process.
4940681763	03/24/2006	Table 3: New Sites in Portland Harbor identified through the Site Discovery Process.
4940681764	03/24/2006	DEQ Milestone Report - Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor.
4940681765	04/04/2006	Email regarding Summary of Monday's meeting - review by 1:00 on Wednesday.
4940681766	04/03/2006	Eco-Human Health Subgroup meeting notes - Risk Assessment Scale and other issues.
4940681771	04/05/2006	Email regarding Portland Harbor, Breast Milk.
4940681768	11/02/2005	Pilot study of diver exposure in contaminated water.
4940681769	08/07/2007	DRAFT for Diver Dermal Exposure and Dose-2002.
4940681770	11/04/2005	Attached copy of Rothlein Email Re. Divers, Transmittal of Diver Data.
4940681772	01/03/2006	Draft Risk Assessment Approach for Evaluating Potential Risks from Consuming Breast Milk.
4940681773	04/07/2006	Email regarding Initial Draft of Meeting Facilitation Document.
4940681774	04/07/2006	Suggested changes to Meeting Facilitation Document.
4940681775	05/03/2006	Email regarding Portland Harbor Joint Source Control Strategy quarterly report.
4940681776	03/31/2006	Quarterly Report to the U.S. Environmental Protection Agency Portland Harbor Joint Source Control Strategy - Period Ending March 31, 2006.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
4940681775	05/05/2006	Email regarding Notes from 5/4 stormwater meeting.
4940681777	05/05/2006	Notes from EPA/DEQ/COP Stormwater Workgroup Meeting.
4940681778	05/03/2006	DEQ's Comprehensive Stormwater Control Strategy - Working Draft.
4940681780	05/04/2006	A Sampling of Approaches for Evaluating Recontamination.
4940681782	05/08/2006	Email regarding Materials for Meeting (May 9th) - Eco Framework Meeting.
4940681783	05/08/2006	Measurement Endpoint Table.
4940681784	05/08/2006	Draft Weighting Scheme and Matrix.
4940681786	05/19/2006	Email regarding Portland Harbor; LWG Letter.
4940681787	05/03/2006	Invitation to Participate and Cooperate in the Portland Harbor Superfund Site Remedial Investigation and Feasibility Study.
4940681792	06/13/2006	Email regarding Updated Status Report and Matrix for F/T modeling.
4940681791	06/13/2006	Suggested Revisions to Modeling Objectives Matrix based on May 17 Conference Call with EPA.
4940681793	06/13/2006	Progress Report on Fate and Transport/Food Web Modeling Approaches.
4940681794	06/28/2006	Email regarding Generating sediment PRGs with the food web model.
4940681795	06/28/2006	Food Web Model Consistent with Arnot and Gobas Template.
4940681796	07/05/2006	Public Notice: EPA Seeking Public Comment on Proposed State Consent Judgment Regarding Portland Harbor Superfund Site.
4940681798	07/10/2006	Email regarding Portland Harbor Joint Source Control Strategy quarterly report.
4940681799	06/30/2006	Quarterly Report to the U.S. Environmental Protection Agency Portland Harbor Joint Source Control Strategy - Period Ending June 30, 2006.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

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4940681800	07/20/2006	Email regarding Materials for next 7/27 stormwater strategy mtg.
4940681801	07/20/2006	Portland Harbor Stormwater Strategy.
4940681802	08/03/2006	Email regarding Gould quarterly report.
4940681802	06/30/2006	Quarterly Report to the U.S. Environmental Protection Agency Portland Harbor Joint Source Control Strategy - Period Ending June 30, 2006.
4940681803	09/16/2005	Email regarding Portland Harbor CSM.
4940681804	09/16/2005	Eco Team Work Session agenda.
4940681805	09/16/2005	Conceptual Aquatic Food Web Schematic.
4940681806	09/16/2005	Food Chain Image.
4940681808	09/16/2005	Portland Harbor Draft NMCB Eco CSM.
4940681809	09/21/2006	Email regarding Next Stormwater Strategy mtg Oct 5.
4940681810	09/20/2006	SW Strategy Presentation for 10/05/06 LWG Meeting.
4940681811	09/28/2005	Email regarding PDX Harbor draft EcoCSM.
4940681812	09/26/2005	Draft Portland Harbor Eco CSM.
4940681813	10/02/2006	Email regarding SediMite Presentation from Charlie Menzie.
4940681814	09/01/2006	Combining Engineering and Biology in a Low-Impact In-Situ Treatment System for Sediments.
4940681815	10/24/2006	Email regarding Portland Harbor JSCS quarterly report, Jul. - Sept. 06.
4940681817	09/30/2006	Quarterly Report to the U.S. Environmental Protection Agency Portland Harbor Joint Source Control Strategy - Period Ending September 30, 2006.

**Portland Harbor AR Related Documents**  
Data sorted by Main Document followed by Related Documents

Doc ID	Doc Date	Doc Title
494068181	11/06/2006	Email regarding Nov 8 mtg on Stormwater sampling methodologies.
4940681820	11/06/2006	Draft Statement of Purpose for the Stormwater Sampling Methodology Workgroup.
4940681821	11/06/2006	Sampling Methodology from T-4 Recontamination Analysis.
4940681822	11/22/2006	Email regarding Lamprey Tissue Analysis Proposal.
4940681825	11/22/2006	Lampre Tissue Analysis Proposal.
4940681827	12/28/2006	Email regarding NW Natural, Offshore Final Phase I FSA Addendum and Boring GS-06.
4940681826	12/28/2006	Letter regarding Addendum 2, Final Phase 1 Field Sampling Approach - Groundwater Source Evaluation - Northwest Natural Gas Company Site, Portland, Oregon - ECSI No. 84.
4940681829	02/14/2007	Email regarding Race track.
4940681828	01/10/2007	Portland Harbor Timeline Racetrack Graphic.
4940681837	06/13/2007	Email regarding NW Natural, Gasco Site Extraction Well Pilot Program.
4940681830	06/13/2007	Letter regarding Proposed Groundwater/NAPL Pilot Program - Northwest Natural Gas Company Site, Portland, Oregon - ECSI No. 84.
4940681836	06/28/2007	Email regarding NW Natural, Phase 2 Offshore Field Sampling Approach.
4940681832	06/28/2007	Letter regarding Phase 2 Offshore Field Sampling Approach Groundwater Source Evaluation - Northwest Natural Gas Company Site, Portland, Oregon - ECSI # 84.
4940681832	08/14/2007	Email regarding PCB Sediment Background Calculations.
4940681835	08/14/2007	Memo regarding Determining a Regional Anthropogenic Background Concentration of PCBs in Sediment Upstream of the Zidell Site.
4940681838	08/15/2007	Email regarding NW Natural - Gasco Site, Source Control Data Gaps Work Plan.
4940681836	03/03/2007	Letter regarding City Comments on Source Control Data Gaps Work Plan, NW Natural Gas Site, July 2007.

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Doc ID	Doc Date	Doc Title
4940681838	08/15/2007	Email regarding NW Natural - Gasco Site, Source Control Data Gaps Work Plan.
4940681837	08/15/2007	Letter regarding Source Control Data Gaps Work Plan - Northwest Natural Gas Company Site, Portland, Oregon - ECSI No. 84 .
4940681840	08/20/2007	Email Regarding RPAC Source Control Letter.
4940681839	08/17/2007	Letter regarding Source Control at the Rhone Poulenc Site (ESCI #155).
4940681841	08/17/2007	Letter regarding Source Control at the Rhone Poulenc Site (ESCI #155).
4940681841	08/30/2007	Email regarding NW Natural - Gasco Site, Surface Water Field Sampling Plan.
4940681842	08/30/2007	Letter regarding Re: Draft Cyanide Surface Water Field Sampling Plan - Northwest Natural Gas Company Site, Portland, Oregon - ECSI #84.
4940681841	09/14/2007	Email regarding NW Natural - Gasco Site, Seepage Meter Deployment and TZW Tidal Influence Study.
4940681844	09/14/2007	Letter regarding Proposed Groundwater Seepage Meter and Transition Zone Water Tidal Influence Study Scopes of Work - Northwest Natural Gas Company - Gasco Site Portland, Oregon - ECSI #84.
4940681841	10/02/2007	Email regarding NW Natural - Gasco Site Seepage Meter Deployment, TZW and Tidal Influence Study, and Surface Water Sampling.
4940681846	10/02/2007	Letter regarding Re: Final Cyanide Surface Water Field Sampling Plan - Northwest Natural Gas Company - Gasco Site, Portland, Oregon - ECSI No. 84.
4940681847	10/02/2007	Letter regarding Re: Groundwater Seepage Meter and Transition Zone Water - Tidal Influence Study Scopes of Work - Northwest Natural Gas Company - Gasco Site, Portland, Oregon - ECSI #84.
4940681850	01/07/2008	Email regarding NW Natural - Gasco Site, Data Gaps Work Plan (Revised Section 2).
4940681849	01/07/2008	Letter regarding Re: Source Control Data Gaps Work Plan (Section 2) - Northwest Natural Gas Company Site, Portland, Oregon - ECSI No. 84.
4940681851	01/14/2008	Email regarding Materials for Jan 17 stormwater mtg.
4940681851	01/14/2008	Agenda for DEQ-EPA Meeting to discuss Stormwater Source Control in Portland Harbor.

**Portland Harbor AR Related Documents**  
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Doc ID	Doc Date	Doc Title
4940681854	02/14/2008	Email regarding Portland Harbor breastfeeding risk.
4940681853	02/14/2008	Draft spreadsheet showing Calculation of Potential Risk from Consumption of Breast Milk.
4940681855	03/05/2008	Email regarding Options/Requirements for Upland Management of Contaminated Sediment.
4940681855	02/07/2008	DEQ RSET Flowchart for Sediment Management.
4940681856	02/27/2008	DEQ-NWR Clean Fill Screening Level Values Table.
4940681860	03/21/2008	Email regarding NW Natural, FFS Comments Letter.
4940681858	12/19/2007	Memo regarding Comments on Gasco Draft FFS Reports.
4940681859	02/08/2008	Letter regarding GASCO Groundwater/DNAPL Source Control Focused Feasibility Study, November 2007.
4940681860	03/21/2008	Letter regarding Groundwater/DNAPL Focused Feasibility Study - Shoreline Segments 1 and 2, NW Natural Property and the Northern Portion of the Siltronic Corporation Property - Northwest Natural Gas Company, Portland, Oregon - ECSI No. 183.
4940681860	07/15/2008	Email regarding Proposed subsurface sediment to surface sediment loading approach.
4940681862	06/18/2008	Proposed LWG Approach for Analyzing Potential Advective Loading from Subsurface Sediment to Surface Sediment.
4940681860	09/17/2008	Email regarding LWG Responses to the EPA Comments on the Round 2 Comp Report CSM.
4940681865	09/17/2008	DEQ Comments on the LWG Responses to EPA's Comments on the Conceptual Site Model in Round 2 Comp. Report.
4940681860	01/27/2006	Email regarding Portland Harbor Source Control Strategy quarterly report.
4940681868	12/31/2005	Quarterly Report to the U.S. Environmental Protection Agency Portland Harbor Joint Source Control Strategy - Period Ending December 31, 2005.
4940681870	02/05/2009	Email regarding Portland Harbor CAG RA presentation.
4940681870	02/05/2009	Risk Assessment Basics.

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Doc ID	Doc Date	Doc Title
494068187	03/25/2009	Email regarding NW Natural - Document Copies, Routing, and Soft Copy Formatting (2).
4940681874	01/02/2009	Criteria for Creating Accessible PDFs for the EPA .
494068187	04/02/2009	Email regarding NW Natural, Treatment System Discharge Limitations and Monitoring Requirements.
4940681876	04/02/2009	Letter regarding Discharge Limitations and Monitoring Requirements - NW Natural Former "Gasco" Site.
4940681877	03/31/2009	Memo regarding Discharge Limitations and Monitoring Requirements for the NW Natural/Gasco Site.
494068188	06/02/2009	Email regarding Portland Harbor ARARs.
4940681879	06/02/2009	Potential ARARs & TBCs for the Portland Harbor project.
494068188	06/12/2009	Email regarding Portland Harbor ARARs.
4940681881	06/02/2009	Potential ARARs & TBCs for the Portland Harbor project.
494068188	07/23/2009	Email regarding Portland Harbor RAOs.
4940681883	07/23/2009	Letter regarding use of the term "Groundwater" in draft Remedial Action Objectives (RAOs).
494068188	09/15/2009	Email regarding NWP-2007-195 Vigor Industrial SAP Draft TM (v2).
4940681886	08/31/2009	Project Review Group (PRG) Technical Memorandum for the Sampling and Analysis Plan (SAP) for NWP-2007-195, Vigor Industrial berth deepening.
494068188	09/24/2009	Email regarding NW Natural, Interim Design Report Contents and Submittal Schedule.
4940681887	09/24/2009	Letter regarding Interim Design Report Shoreline Segments 1 and 2, NW Natural Property and the Northern Portion of the Siltronic Corporation Property, Portland, Oregon - ECSI No. 84.
494068189	10/08/2009	Email regarding NW Natural, Segment 2 Test Plan In-water Piezometer Drilling and Installation Comments.
4940681889	10/08/2009	EPA Comments on Capture Zone Field Test Plan; GASCO, Portland, Oregon.

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494068189	10/08/2009	Email regarding NW Natural, Segment 2 Test Plan In-water Piezometer Drilling and Installation Comments.
4940681890	10/08/2009	Letter regarding Segment 2 Capture Zone Test Plan - Former Gasco Manufacture Gas Plant Site.
4940681891	10/22/2009	Email regarding Zidell Site Cleanup.
4940681892	10/09/2009	Letter regarding comments on the Proposed Cleanup Project at the Zidell Site.
4940681893	10/22/2009	Email regarding ZRZ remediation project.
4940681895	10/01/2009	Table from Draft Biological Assessment - ZRZ Waterfront Remediation Project.
4940681896	10/19/2009	Letter regarding response to recommendations for ZRZ Remedial Action methods on Willamette River.
4940681897	11/16/2009	Email regarding Portland Harbor HHRA initial comments.
4940681897	11/16/2009	Initial DEQ Comments on the Draft Baseline Human Health Risk Assessment for the Portland Harbor Site.
4940681900	12/02/2009	Email regarding Sulzer Pump.
4940681899	12/02/2009	EPA Meeting 10-09 Notes.
4940681901	12/18/2009	Email regarding PH ARARs Package.
4940681901	12/11/2009	Enclosure 2: December 2009 Identification of ARARs Letter.
4940681902	12/09/2009	Complete ARARs List.
4940681903	12/11/2009	Enclosure 3: Regulations, Guidance, Etc. Determined Not to be ARARs.
4940681904	12/11/2009	Letter regarding Portland Harbor Superfund Site; Docket No. CERCLA-10-2001-0240 - EPA's Preliminary Identification of ARARS at the Portland Harbor Site for Development of the Feasibility Study.