

TABLE OF CONTENTS
COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD (ASSAR)

August 1, 2000

0.0 - TABLE OF CONTENTS/INDEX

1.0 - SITE IDENTIFICATION (Pre-1983) - See ASARCO Administrative Record

2.0 - REMEDIAL INVESTIGATION/FEASIBILITY STUDY

2.1 - Correspondence

2.1.1 - Formal Correspondence

2.1.2 - Handwritten Notes

2.1.3 - Meeting Summaries

2.1.4 - Progress Reports

2.2 - Work Plan

2.3 - Sampling and Analysis Plans/Quality Assurance Project Plans

2.3.1 - Correspondence

2.3.2 - Sampling Activities

2.3.2.1 - Schedules

2.3.2.2 - Results/Chain of Custody/Validation (2 Volumes)

2.3.2.3 - EPA Field Oversights

2.3.2.4 - Sampling and Analysis Plan Modifications

2.3.2.5 - Quality Assurance Project Plan

2.3.2.6 - Sampling and Analysis Plan

2.4 - Sampling and Analysis Data Summaries

2.4.1 - Correspondence

2.4.2 - Field Audits/Validations

2.4.3 - Split Sample Results (2 Volumes)

2.5 - Health and Safety Plans (See Asarco Smelter AR, Sec. 2.3.2.3)

2.7 - Remedial Investigation/Feasibility Study Reports

2.7.1 - Correspondence

2.7.2 - Data Evaluation Technical Memorandum

2.7.3 - Natural Recovery Technical Memorandum

2.7.4 - Disposal Site Inventory Report

2.7.5 - Phase 1 Expanded RI/FS Report (7 Volumes)

2.7.6 - Phase 2 Expanded RI/FS Report (3 Volumes)

TABLE OF CONTENTS
COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD (ASSAR)

August 1, 2000

- 2.7.7 - Thin-Layer Cap Pilot Project
 - 2.7.7.1 - Correspondence (2 Volumes)
 - 2.7.7.2 - Sampling and Analysis Plan
 - 2.7.7.3 - Raw Data (4 Volumes)
 - 2.7.7.4 - Monitoring Reports (4 Volumes)

- 2.7.8 - Risk Assessment
- 2.7.9 - Refinement of Options Report

- 2.8 - Other Technical Reports
 - 2.8.1 - Correspondence
 - 2.8.3 - Sediment Studies
 - 2.8.4 - Dive Reports
 - 2.8.5 - Cleanup Goals
 - 2.8.6 - Marine Copper Study
 - 2.8.7 - Borehole Mineralogical Study

- 2.9 - Proposed Plan

3.0 - RECORD OF DECISION

- 3.2 - Record of Decision

8.0 - COORDINATION WITH OTHER AGENCIES

- 8.1 - Correspondence
- 8.3 - State Certification of ARARs
- 8.5 - Sediments Disposal Forum
- 8.10 - Sediments/Groundwater Task Force (2 Volumes)

10.0 - TRIBAL COORDINATION

- 10.1 - Correspondence
- 10.2 - Tribal Certification of ARARs

12.0 - ENFORCEMENT

- 12.1 - Correspondence
 - 12.1.1 - Formal Correspondence
 - 12.1.2 - Handwritten Notes
 - 12.1.3 - CONFIDENTIAL

TABLE OF CONTENTS
COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD (ASSAR)

August 1, 2000

12.6 - Administrative Orders

14.0 - NATURAL RESOURCE TRUSTEES

14.1 - Correspondence

16.0 - PUBLIC PARTICIPATION

16.1 - Correspondence

16.1.1 - Formal Correspondence

16.1.2 - Transmittal of Public Information

16.2 - Community Relations Plan

16.3 - Notices of Availability of Information/Notices of Meetings

16.3.1 - Meeting Agendas

16.4 - Fact Sheets/Press Releases

16.6 - Newspaper/Journal/Magazine Articles

18.0 - TECHNICAL SOURCES AND GUIDANCE DOCUMENTS

18.1 - EPA Guidance

18.3 - Technical Sources

HEADING: 0. 0. . . TABLE OF CONTENTS/INDEX

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

HEADING: 1. 0. . . SITE IDENTIFICATION (Pre-1983) - See ASARCO Administrati

1. 0. . . Vol. 1 - 1013939 DOC ID: 29010
DATE: 10/25/1994 PAGES: 9

AUTHOR(S):
Tod A. Gold/EPA

ADDRESSEE(S):
Lynn Williams/EPA

DESCRIPTION: Memorandum requesting that documents listed on attachments be transferred or referenced from the Asarco Smelter administrative record to the Asarco Marine Sediments administrative record.

HEADING: 2. 0. . . REMEDIAL INVESTIGATION/FEASIBILITY STUDY

SUB-HEAD: 2. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 2. 1. 1. . Vol. 1 - Formal Correspondence

2. 1. 1. . Vol. 1 - 1047664 DOC ID: 43268
DATE: 5/12/1989 PAGES: 20
AUTHOR(S): Catherine Krueger/EPA
ADDRESSEE(S): Keith A. Rose/EPA

DESCRIPTION: Comments regarding the Remedial Investigation Report addressing the biological and chemical characterization of the nearshore sediments.

2. 1. 1. . Vol. 1 - 1047665 DOC ID: 43269
DATE: 5/12/1989 PAGES: 4
AUTHOR(S): Bruce Duncan/EPA
ADDRESSEE(S): Keith A. Rose/EPA

DESCRIPTION: Comments regarding the Remedial Investigation, Biological Investigations.

2. 1. 1. . Vol. 1 - 1047666 DOC ID: 43270
DATE: 5/12/1989 PAGES: 3
AUTHOR(S): Lewis Consiglieri/NOAA
ADDRESSEE(S): Keith A. Rose/EPA

DESCRIPTION: Comments regarding the final Remedial Investigation Report.

2. 1. 1. . Vol. 1 - 012150 DOC ID: 28663
DATE: 9/11/1989 PAGES: 2
AUTHOR(S): Allan B. Bakalian/EPA
ADDRESSEE(S): Michael R. Thorp/Heller Ehrman White & McAullife

DESCRIPTION: Clarifies EPA's position of Asarco's submission of the marine sediments evaluation in the Asarco smelter Site Feasibility Study to be submitted on September 15.

2. 1. 1. . Vol. 1 - 1013034 DOC ID: 28664
DATE: 1/3/1990 PAGES: 2
AUTHOR(S): Michael R. Thorp/Heller Ehrman White & McAullife
ADDRESSEE(S): Keith A. Rose/EPA

DESCRIPTION: Comments regarding the Asarco Offshore Feasibility Study.

2. 1. 1. . Vol. 1 - 1013033 DOC ID: 28665
DATE: 1/9/1990 PAGES: 1
AUTHOR(S):
ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Michael Stoner/EPA

Lewis Consiglieri/NOAA

DESCRIPTION: Transmits and discusses the Offshore Marine Sediments Feasibility Study. (Less enclosure)

2. 1. 1. . Vol. 1 - 1013032 DOC ID: 28666
DATE: 1/31/1990 PAGES: 4

AUTHOR(S):
George W. Anderson/Asarco, Inc.

ADDRESSEE(S):
Charles E. Findley/EPA

DESCRIPTION: Describes Asarco's preferred alternative for remedial cleanup of Operable Unit 06, Tacoma Smelter Offshore Area, from the six presented in the Feasibility Study.

2. 1. 1. . Vol. 1 - 1062861 DOC ID: 28640
DATE: 7/6/1990 PAGES: 1

AUTHOR(S):
Tom Schadt/Parametrix, Inc.

ADDRESSEE(S):
Michael Stoner/EPA

DESCRIPTION: Transmits fourth round of marine biology/sediment chemistry sampling data. (Less enclosure)

2. 1. 1. . Vol. 1 - 1002154 DOC ID: 28702
DATE: 9/21/1990 PAGES: 1

AUTHOR(S):
Tom Schadt/Parametrix, Inc.

ADDRESSEE(S):
Jeff Webb/EPA

DESCRIPTION: Transmits the supplemental Marine Sediment Survey report. (Less enclosure)

2. 1. 1. . Vol. 1 - 1013031 DOC ID: 28667
DATE: 6/26/1991 PAGES: 1

AUTHOR(S):
Tom Schadt/Parametrix, Inc.

ADDRESSEE(S):
Michael Stoner/EPA

DESCRIPTION: Transmits the Marine Sediment Report. (Less enclosure)

2. 1. 1. . Vol. 1 - 1013029 DOC ID: 28668
DATE: 8/9/1991 PAGES: 3

AUTHOR(S):
Rachel Friedman-Thomas/Washington State Dept. of Ecology

ADDRESSEE(S):
Marian L. Abbett/Washington State Dept. of Ecology

DESCRIPTION: Comments regarding the Draft Feasibility Study for Asarco Sediments.

2. 1. 1. . Vol. 1 - 1013019 DOC ID: 28671
DATE: 12/2/1992 PAGES: 1

AUTHOR(S):
Tom Schadt/Parametrix, Inc.

ADDRESSEE(S):
Chip Bartholomay/EPA

DESCRIPTION: Transmits one disk containing requested aquatic data. (Disk not attached)

2. 1. 1. . Vol. 1 - 1013018 DOC ID: 28673
DATE: 12/7/1992 PAGES: 1

AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Chip Bartholomay/EPA

Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Transmits diskette from Parametrix containing echinoderm bioassay raw data for the Asarco Sediments problem area. (Diskette not attached)

2. 1. 1. . Vol. 1 - 1013375 DOC ID: 28771
DATE: 4/7/1993 PAGES: 1

AUTHOR(S):
Chip Bartholomay/EPA

ADDRESSEE(S):
William Sullivan/Puyallup Tribe of Indians

DESCRIPTION: Letter transmits the Draft Final Supplemental Feasibility Study for the Asarco Sediments Problem Area. (Less enclosure)

2. 1. 1. . Vol. 1 - 012781 DOC ID: 28706
DATE: 4/19/1993 PAGES: 1

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Rick Singer/DOT

DESCRIPTION: Letter discusses work the Department of Transportation will conduct at the Point Defiance ferry terminal.

2. 1. 1. . Vol. 1 - 1105911 DOC ID: 28707
DATE: 4/26/1993 PAGES: 1

AUTHOR(S):
Thomas L. Aldrich/Asarco, Inc.

ADDRESSEE(S):
Chip Bartholomay/EPA

DESCRIPTION: Letter discusses transmittal of the Supplemental Marine Survey, Yacht Basin Survey Results.

2. 1. 1. . Vol. 1 - 1013015 DOC ID: 28689
DATE: 5/17/1993 PAGES: 1

AUTHOR(S):
Chip Bartholomay/EPA

ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Transmits additional data for the Asarco Sediments Supplemental Feasibility Study, and requests that testing methods be reviewed to determine if the tests were conducted correctly (less enclosure).

2. 1. 1. . Vol. 1 - 1013047 DOC ID: 23330
DATE: 10/7/1993 PAGES: 22

AUTHOR(S):
Bruce A. Cochran/Washington State Dept. of Ecology

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Packet of letters regarding data inputs required to use the WASP 4 model, and copies of the Sediment Standard Users Manuals.

2. 1. 1. . Vol. 1 - 1013042 DOC ID: 23295
DATE: 11/9/1993 PAGES: 5

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Bruce A. Cochran/Washington State Dept. of Ecology

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter recaps the highlights of the EPA/Ecology sediments modeling meeting regarding the smelter facility and offshore sediments projects.

2. 1. 1. . Vol. 1 - 1013592 DOC ID: 28774
DATE: 12/7/1993 PAGES: 2
AUTHOR(S): Thomas L. Aldrich/Asarco, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Requests additional information from Weston; Parametrix to review the Supplemental Feasibility Study prepared by Weston.

2. 1. 1. . Vol. 1 - 1013035 DOC ID: 28709
DATE: 12/21/1993 PAGES: 3
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Supplemental letter to the Supplemental Feasibility Study regarding technical difficulty of dredging and capping contaminated sediment in water over 60 meters and on a greater than 20% slope.

2. 1. 1. . Vol. 1 - 1013293 DOC ID: 28710
DATE: 1/24/1994 PAGES: 5
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S): Margaret Spence/Parametrix, Inc.

DESCRIPTION: Working notes and assumptions used for the engineering design of the remedial alternatives and the geographic information system volume and area estimates in the Supplemental Feasibility Study.

2. 1. 1. . Vol. 1 - 1013323 DOC ID: 25012
DATE: 2/1/1994 PAGES: 2
AUTHOR(S): Carl E. Samuelson/State of Washington ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Discusses the Ruston/Tacoma Asarco Site aquatic habitat remediation.

2. 1. 1. . Vol. 1 - 1013611 DOC ID: 28712
DATE: 2/10/1994 PAGES: 13
AUTHOR(S): Don Weitkamp/Parametrix, Inc. ADDRESSEE(S): Asarco Sediment Sampling Group

DESCRIPTION: Summary (updated) of previous sampling results, map of previously sampled stations, and memo to Jim Good on sampling gear test at Asarco.

2. 1. 1. . Vol. 1 - 1013324 DOC ID: 25013
DATE: 2/28/1994 PAGES: 3
AUTHOR(S): Carl E. Samuelson/State of Washington ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Discusses the Asarco Site nearshore aquatic habitat restoration.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - 1013612 DOC ID: 28713
DATE: 3/11/1994 PAGES: 2

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Nancy A. Musgrove/Roy F. Weston, Inc.

DESCRIPTION: Discusses materials to help develop a more comprehensive and appropriate program for the sediments offshore. (Less enclosures)

2. 1. 1. . Vol. 1 - 1013613 DOC ID: 28714
DATE: 3/11/1994 PAGES: 1

AUTHOR(S):
Allan Chartrand/Kleinfelder, Inc.

ADDRESSEE(S):
Don Weitkamp/Parametrix, Inc.

DESCRIPTION: Memo discusses thoughts on how to approach distinguishing chemical from physical effects of arsenic in aqueous solution.

2. 1. 1. . Vol. 1 - 1013588 DOC ID: 28770
DATE: 3/11/1994 PAGES: 2

AUTHOR(S):
Rens Verburg/Hydrometrics, Inc.

ADDRESSEE(S):
Nancy A. Musgrove/Roy F. Weston, Inc.

DESCRIPTION: Memo discusses analytical parameters for sediments and porewater.

2. 1. 1. . Vol. 1 - 1013616 DOC ID: 28715
DATE: 3/28/1994 PAGES: 1

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Nancy A. Musgrove/Roy F. Weston, Inc.

DESCRIPTION: Letter transmits two protocols for conducting interstitial bioassays. (Less enclosures)

2. 1. 1. . Vol. 1 - 1013752 DOC ID: 28660
DATE: 5/5/1994 PAGES: 33

AUTHOR(S):
Nancy A. Musgrove/Roy F. Weston, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Draft Statement of Work for the Expanded Remedial Investigation/Feasibility Study.

2. 1. 1. . Vol. 1 - 1013745 DOC ID: 28641
DATE: 5/17/1994 PAGES: 1

AUTHOR(S):
Michael Isensee/Citizens for a Healthy Bay

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter of thanks regarding the opportunity to review the draft Statement of Work and a request to receive Phase I Data Evaluation Report upon its completion.

2. 1. 1. . Vol. 1 - 1013747 DOC ID: 28642
DATE: 5/20/1994 PAGES: 6

AUTHOR(S):
Celia Barton/Washington State Dept. of Natural Resources

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Comments following a review of the Statement of Work for the Asarco sediments site.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - 1013749 DOC ID: 28643
DATE: 5/27/1994 PAGES: 12

AUTHOR(S):
Leslie C. Nellermoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Asarco comments on the Statement of Work for the expanded Remedial Investigation/Feasibility Study for the Asarco Sediments site.

2. 1. 1. . Vol. 1 - 1013905 DOC ID: 28594
DATE: 7/8/1994 PAGES: 3

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Responds to comments on the draft Statement of Work, dated May 27, 1994, for Asarco Off-Shore Sediments.

2. 1. 1. . Vol. 1 - 1013906 DOC ID: 28595
DATE: 7/18/1994 PAGES: 5

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Responds to Technical Comments on the Draft Statement of Work, dated May 23, May 17, March 11 and May 16, 1994, for Asarco Off-Shore Sediments.

2. 1. 1. . Vol. 1 - 1013907 DOC ID: 28596
DATE: 7/26/1994 PAGES: 33

AUTHOR(S):
Leslie C. Nellermoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Materials pertaining to the Sediments Work Group, the Interagency and Intergovernmental Agreement, the invitation to participate, and the summary prepared after the first meeting including "ground rules."

2. 1. 1. . Vol. 1 - 1013913 DOC ID: 28606
DATE: 8/31/1994 PAGES: 3

AUTHOR(S):
Leslie C. Nellermoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Comments regarding the manner of inclusion of a proposed addition to the Statement of Work for the Expanded Remedial Investigation/Feasibility Study.

2. 1. 1. . Vol. 1 - 1013914 DOC ID: 28607
DATE: 9/2/1994 PAGES: 9

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Reviews the draft Work Plan and provides technical review comments for the Sediments Expanded Remedial Investigation/Feasibility Study Work Plan.

2. 1. 1. . Vol. 1 - 1029417 DOC ID: 40950
DATE: 10/15/1994 PAGES: 3

AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Carl Stivers/Parametrix, Inc.

Piper L. Peterson/EPA

DESCRIPTION: Memo responds to comments made on the draft Asarco Sediments Expanded Remedial Investigation/Feasibility Study Work Plan.

2. 1. 1. . Vol. 1 - 1029427 DOC ID: 40817
DATE: 11/3/1994 PAGES: 1

AUTHOR(S):
Leslie C. Nellerhoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Transmits documents requested by the sediment design group members. (Less enclosures)

2. 1. 1. . Vol. 1 - 1029419 DOC ID: 40952
DATE: 11/3/1994 PAGES: 2

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments regarding the draft final Asarco Sediments Expanded Remedial Investigation/Feasibility Study Work Plan and approval of Asarco's Work Plan for the project.

2. 1. 1. . Vol. 1 - 1029362 DOC ID: 40820
DATE: 11/22/1994 PAGES: 5

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter transmits a revised data evaluation proposal.

2. 1. 1. . Vol. 1 - 1029365 DOC ID: 40823
DATE: 11/28/1994 PAGES: 5

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses evaluation of Phase 1 sediments data.

2. 1. 1. . Vol. 1 - 1029369 DOC ID: 40827
DATE: 12/12/1994 PAGES: 7

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter clarifies expectations regarding potential disposal site inventory for confinement of contaminated sediments.

2. 1. 1. . Vol. 1 - 1029401 DOC ID: 40829
DATE: 1/24/1995 PAGES: 3

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusse the review of the draft Data Evaluation Technical Memorandum.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - 1029384 DOC ID: 40832
DATE: 2/3/1995 PAGES: 1
AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Discussion items for the draft Disposal Site Inventory Ranking Criteria.

2. 1. 1. . Vol. 1 - 1029374 DOC ID: 40833
DATE: 2/16/1995 PAGES: 2
AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Draft letter discusses the final Data Evaluation Memorandum for Sediments Site Expanded Remedial Investigation/Feasibility Study. (Less enclosure)

2. 1. 1. . Vol. 1 - 1029375 DOC ID: 40875
DATE: 3/3/1995 PAGES: 14
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Michael R. Thorp/Heller Ehrman White & McAullife
Bruce A. Cochran/Washington State Dept. of Ecology
Thomas L. Aldrich/Asarco, Inc.

Bill Sullivan/Puyallup Tribe of Indians

Michael Isensee/Citizens for a Healthy Bay

DESCRIPTION: Letter discusses disposal site inventory ranking criteria for off-shore sediments.
Note: Document has 22 addressees.

2. 1. 1. . Vol. 1 - 1029376 DOC ID: 40876
DATE: 3/6/1995 PAGES: 3
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Michael R. Thorp/Heller Ehrman White & McAullife
Russ McMillan/Washington State Dept. of Ecology
Joanne M. Snarski/Washington State Dept. of Natural Resources
Don Weitkamp/Parametrix, Inc.

Michael Isensee/Citizens for a Healthy Bay

DESCRIPTION: Letter discusses planning a Phase 2 objectives meeting for Expanded Remedial Investigation/Feasibility Study, off-shore sediments.
Note: Document has 21 addressees.

2. 1. 1. . Vol. 1 - 1029377 DOC ID: 40877
DATE: 3/13/1995 PAGES: 8
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Comments regarding the draft final Data Evaluation Memorandum, Phase 1.

2. 1. 1. . Vol. 1 - 1029380 DOC ID: 40880
DATE: 3/20/1995 PAGES: 11
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Christopher A. Beaverson/NOAA

Joanne M. Snarski/Washington State Dept.
of Natural Resources
Michael Isensee/Citizens for a Healthy Bay

Carl Samuelson/Washington State Dept. of
Fisheries
Jeff Krausmann/U. S. Fish & Wildlife
Service

DESCRIPTION: Letter discusses the update on project documents and review schedule for the draft Disposal Site Inventory.

2. 1. 1. . Vol. 1 - 1029383 DOC ID: 40883
DATE: 3/30/1995 PAGES: 2
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Michael R. Thorp/Heller Ehrman White &
McAullife
Russ McMillan/Washington State Dept. of
Ecology
Joanne M. Snarski/Washington State Dept.
of Natural Resources
Don Weitkamp/Parametrix, Inc.

Michael Isensee/Citizens for a Healthy Bay

DESCRIPTION: Letter anticipates distribution next week of the Final Data Evaluation and Draft Final Natural Recovery Reports.
Note: Document has 21 addressees.

2. 1. 1. . Vol. 1 - 1044030 DOC ID: 42495
DATE: 5/9/1995 PAGES: 3
AUTHOR(S):
Joanne M. Snarski/Washington State Dept. of Natural
Resources

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter comments on the Draft Disposal Site Inventory.

2. 1. 1. . Vol. 1 - 1029769 DOC ID: 40885
DATE: 6/14/1995 PAGES: 2
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Leslie Nellerhoe/Heller Ehrman White &
McAullife

DESCRIPTION: Letter discusses the draft Phase 1 Data Evaluation Report, and Phase 2 Sampling and Analysis Approach.
Note: Document has 23 addressees.

2. 1. 1. . Vol. 1 - 1029890 DOC ID: 41373
DATE: 2/13/1996 PAGES: 4
AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Allison Hiltner/EPA

Paul F. Fuglevand/Dalton Olmsted & Fuglevand, Inc.

DESCRIPTION: Discusses remediation of wood waste in the Hylebos Waterway.

2. 1. 1. . Vol. 1 - 1105912 DOC ID: 43271
DATE: 5/3/1996 PAGES: 2
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Russ McMillan/EPA

Joanne M. Snarski/Washington State Dept.
of Natural Resources
Stephanie Lund/Citizens for a Healthy Bay

Rob Wolotina/NOAA

Jeff Krausmann/U. S. Fish & Wildlife
Service

DESCRIPTION: Letter requests persons on attached list to submit comments on the draft Natural Recovery Report by May 28, 1996.
Note: Document has 16 addressees.

2. 1. 1. . Vol. 1 - 1044132 DOC ID: 43273
DATE: 5/6/1996 PAGES: 1
AUTHOR(S):
U. S. Army Corps of Engineers

ADDRESSEE(S):
Unknown

DESCRIPTION: Additional comments regarding the draft Pilot Project Technical Approach.

2. 1. 1. . Vol. 1 - 1062114 DOC ID: 43272
DATE: 5/7/1996 PAGES: 4
AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Responds to comments regarding the second draft of the Expanded Remedial Investigation/Feasibility Study, Phase 1, Data Report.

2. 1. 1. . Vol. 1 - 1062116 DOC ID: 68664
DATE: 1/8/1997 PAGES: 1
AUTHOR(S):
Peter Stoltz/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Apologizes for recent errors on monthly progress reports 25 and 27 and transmits corrected versions. (Less enclosures)
Note: Corrections have been inserted into the progress reports.

2. 1. 1. . Vol. 1 - 1047001 DOC ID: 96867
DATE: 6/11/1997 PAGES: 3
AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Transmits and discusses the visual survey portion of the draft Work Plan for Shoreline Stabilization.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - 1105413 DOC ID: 128999
DATE: 10/24/1997 PAGES: 2
AUTHOR(S):
Lee Marshall/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter transmits comments on Progress Report No. 36 for the sediments expanded Remedial Investigation/Feasibility Study.

SUB-HEAD: 2. 1. 2. . Vol. 1 - Handwritten Notes

2. 1. 2. . Vol. 1 - 1105198 DOC ID: 67407
DATE: 4/27/1988 PAGES: 7
AUTHOR(S):
Michael Stoner/EPA

ADDRESSEE(S):
EPA

DESCRIPTION: Handwritten notes from Asarco meeting.

2. 1. 2. . Vol. 1 - 1105199 DOC ID: 67408
DATE: 11/30/1990 PAGES: 5
AUTHOR(S):
Michael Stoner/EPA

ADDRESSEE(S):
EPA

DESCRIPTION: Handwritten notes regarding current status of sediments.

2. 1. 2. . Vol. 1 - 1105200 DOC ID: 67409
DATE: 6/11/1991 PAGES: 13
AUTHOR(S):
Michael Stoner/EPA

ADDRESSEE(S):
EPA

DESCRIPTION: Handwritten notes from sediments meeting. Includes attendee sheet.

2. 1. 2. . Vol. 1 - 1062983 DOC ID: 96840
DATE: 7/16/1997 PAGES: 1
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
File

DESCRIPTION: List of attendees at the Sediments Modeling meeting.

SUB-HEAD: 2. 1. 3. . Vol. 1 - Meeting Summaries

2. 1. 3. . Vol. 1 - 1013310 DOC ID: 28716
DATE: 11/13/1991 PAGES: 3
AUTHOR(S):
EPA

ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Summary of EPA/Asarco Sediments Informational Meeting of November 13, 1991.

2. 1. 3. . Vol. 1 - 1013028 DOC ID: 28670
DATE: 11/21/1991 PAGES: 4
AUTHOR(S):
Lori G. Cohen/EPA

ADDRESSEE(S):
Unknown

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Summary of EPA/Ecology meeting on the Asarco Sediments Supplemental Feasibility Study.

2. 1. 3. . Vol. 1 - 1013059 DOC ID: 28717
DATE: 12/11/1992 PAGES: 15
AUTHOR(S): Tom Schadt/Parametrix, Inc. ADDRESSEE(S):
Chip Bartholomay/EPA

DESCRIPTION: Agenda for a meeting scheduled for 12/15/92.

2. 1. 3. . Vol. 1 - 1013586 DOC ID: 28768
DATE: 1/31/1994 PAGES: 2
AUTHOR(S): Nancy A. Musgrove/Roy F. Weston, Inc. ADDRESSEE(S):
John Malek/EPA

DESCRIPTION: Transmits and discusses a summary of topics discussed by the Sediment Sampling Design Group meeting held January 19, 1994. (Less enclosure)

2. 1. 3. . Vol. 1 - 1013587 DOC ID: 28769
DATE: 2/15/1994 PAGES: 4
AUTHOR(S): Unknown ADDRESSEE(S):
Unknown

DESCRIPTION: Summary of Sampling Design Group meeting held February 15, 1994, titled Sampling Design to Address Data Gaps at the Asarco Sediments Site.

2. 1. 3. . Vol. 1 - 1029358 DOC ID: 40814
DATE: 10/14/1994 PAGES: 3
AUTHOR(S): Piper L. Peterson/EPA ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

Michael R. Thorp/Heller Ehrman White &
McAullife
Rachel Friedman-Thomas/Washington State
Dept. of Ecology
Carl Samuelson/Washington State Dept. of
Fisheries
Mike Salazar/NOAA

DESCRIPTION: Discusses agenda for upcoming data evaluation kick-off meeting.
Note: Document has 17 addressees.

2. 1. 3. . Vol. 1 - 1029736 DOC ID: 40815
DATE: 10/19/1994 PAGES: 1
AUTHOR(S): Unknown ADDRESSEE(S):
Unknown

DESCRIPTION: Attendee list for data evaluation meeting.

2. 1. 3. . Vol. 1 - 1029360 DOC ID: 40818
DATE: 11/17/1994 PAGES: 1
AUTHOR(S): ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Roy F. Weston, Inc.

Unknown

DESCRIPTION: Sign-in sheet for sediments data evaluation meeting.

2. 1. 3. . Vol. 1 - 1029381 DOC ID: 40881
DATE: 3/21/1995 PAGES: 1
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: List of participants for the Phase 2 objectives meeting.

2. 1. 3. . Vol. 1 - 1044683 DOC ID: 67410
DATE: 11/5/1996 PAGES: 1
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S): EPA

DESCRIPTION: List of attendees at the pilot cap meeting.

SUB-HEAD: 2. 1. 4. . Vol. 1 - Progress Reports

2. 1. 4. . Vol. 1 - 1013904 DOC ID: 28597
DATE: 2/27/1985 PAGES: 25
AUTHOR(S): Dale Norton/Washington State Dept. of Ecology ADDRESSEE(S): James Krull/Washington State Dept. of Ecology
Art Johnson/Washington State Dept. of Ecology

DESCRIPTION: Completion Report on WQIS Project 1 for Commencement Bay Nearshore/Tideflats Remedial Investigation: Assessment of Log Sort Yards as Metals Sources to Commencement Bay Waterways, November 1983-June 1984.

2. 1. 4. . Vol. 1 - 1115596 DOC ID: 137772
DATE: 10/31/1994 PAGES: 4
AUTHOR(S): Asarco, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Progress Report No. 1 for the Sediments Expanded Remedial Investigation/Feasibility Study.

2. 1. 4. . Vol. 1 - 1029391 DOC ID: 40888
DATE: 11/23/1994 PAGES: 2
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Comments regarding Progress Report No. 1.

2. 1. 4. . Vol. 1 - 1029392 DOC ID: 40890
DATE: 11/30/1994 PAGES: 7
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Progress Report No. 2. Transmitted December 20, 1994.

2. 1. 4. . Vol. 1 - 1029385 DOC ID: 40889
DATE: 12/30/1994 PAGES: 3
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 3. Received January 17, 1995.

2. 1. 4. . Vol. 1 - 1029386 DOC ID: 40891
DATE: 1/31/1995 PAGES: 2
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Changes to Progress Reports 2 and 3.

2. 1. 4. . Vol. 1 - 1029387 DOC ID: 40893
DATE: 1/31/1995 PAGES: 4
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Progress Report No. 4. Transmitted February 9, 1995.

2. 1. 4. . Vol. 1 - 1029738 DOC ID: 40892
DATE: 2/28/1995 PAGES: 3
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 5.

2. 1. 4. . Vol. 1 - 1029388 DOC ID: 40895
DATE: 3/6/1995 PAGES: 3
AUTHOR(S): Piper L. Peterson/EPA ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments regarding Progress Report No. 4

2. 1. 4. . Vol. 1 - 1029739 DOC ID: 40894
DATE: 3/31/1995 PAGES: 3
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 6.

2. 1. 4. . Vol. 1 - 1029740 DOC ID: 40896
DATE: 3/31/1995 PAGES: 4
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Progress Report No. 4. (Revised) Transmitted March 31, 1995.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 4. . Vol. 1 - 1029742 DOC ID: 40898
DATE: 4/4/1995 PAGES: 3
AUTHOR(S): ADDRESSSEE(S):
Piper L. Peterson/EPA Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments regarding Progress Report No. 5.

2. 1. 4. . Vol. 1 - 1029741 DOC ID: 40897
DATE: 4/30/1995 PAGES: 2
AUTHOR(S): ADDRESSSEE(S):
Parametrix, Inc. EPA

DESCRIPTION: Progress Report No. 7.

2. 1. 4. . Vol. 1 - 1029743 DOC ID: 40899
DATE: 5/30/1995 PAGES: 2
AUTHOR(S): ADDRESSSEE(S):
Parametrix, Inc. EPA

DESCRIPTION: Progress Report No. 8.

2. 1. 4. . Vol. 1 - 1029854 DOC ID: 41326
DATE: 6/30/1995 PAGES: 3
AUTHOR(S): ADDRESSSEE(S):
Peter Stoltz/Parametrix, Inc. Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 9. Transmitted July 7, 1995.

2. 1. 4. . Vol. 1 - 1029745 DOC ID: 40886
DATE: 7/31/1995 PAGES: 3
AUTHOR(S): ADDRESSSEE(S):
Carl Stivers/Parametrix, Inc. Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 10. Transmitted August 10, 1995.

2. 1. 4. . Vol. 1 - 1029855 DOC ID: 41327
DATE: 8/31/1995 PAGES: 3
AUTHOR(S): ADDRESSSEE(S):
Carl Stivers/Parametrix, Inc. Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 11. Transmitted September 12, 1995.

2. 1. 4. . Vol. 1 - 1029856 DOC ID: 41328
DATE: 9/30/1995 PAGES: 3
AUTHOR(S): ADDRESSSEE(S):
Carl Stivers/Parametrix, Inc. Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 12. Transmitted October 9, 1995.

2. 1. 4. . Vol. 1 - 1029857 DOC ID: 41329
DATE: 10/31/1995 PAGES: 7
AUTHOR(S): ADDRESSSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Carl Stivers/Parametrix, Inc.

Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 13. Transmitted November 10, 1995.

2. 1. 4. . Vol. 1 - 1105913 DOC ID: 67411
DATE: 11/30/1995 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 14. Transmitted December 7, 1995.

2. 1. 4. . Vol. 1 - 1105914 DOC ID: 67412
DATE: 12/31/1995 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 15. Transmitted January 10, 1996.

2. 1. 4. . Vol. 1 - 1105915 DOC ID: 67413
DATE: 1/31/1996 PAGES: 4
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 16. Transmitted February 12, 1996.

2. 1. 4. . Vol. 1 - 1105916 DOC ID: 67615
DATE: 2/29/1996 PAGES: 4
AUTHOR(S): Shannon Dietrich/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Draft Progress Report No. 17. Transmitted March 11, 1996.

2. 1. 4. . Vol. 1 - 1029858 DOC ID: 41330
DATE: 3/26/1996 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Request for information based on Parametrix's observations in Progress Report No. 17.

2. 1. 4. . Vol. 1 - 1029860 DOC ID: 41332
DATE: 3/31/1996 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 18. Transmitted April 5, 1996.

2. 1. 4. . Vol. 1 - 1029859 DOC ID: 41331
DATE: 4/1/1996 PAGES: 2
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Responds to comment on Progress Report No. 17.

2. 1. 4. . Vol. 1 - 1105918 DOC ID: 67419
DATE: 4/30/1996 PAGES: 2
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 19. Received May 9, 1996.

2. 1. 4. . Vol. 1 - 1105919 DOC ID: 67414
DATE: 5/31/1996 PAGES: 3
AUTHOR(S): Peter Stoltz/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 20. Transmitted June 12, 1996.

2. 1. 4. . Vol. 1 - 1105920 DOC ID: 67415
DATE: 6/30/1996 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 21. Transmitted July 10, 1996.

2. 1. 4. . Vol. 1 - 1105921 DOC ID: 67616
DATE: 7/31/1996 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 22. Transmitted August 9, 1996.

2. 1. 4. . Vol. 1 - 1105922 DOC ID: 67416
DATE: 8/31/1996 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 23. Transmitted September 6, 1996.

2. 1. 4. . Vol. 1 - 1105923 DOC ID: 67417
DATE: 9/30/1996 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Progress Report No. 24. Transmitted October 9, 1996.

2. 1. 4. . Vol. 1 - 1105924 DOC ID: 68665
DATE: 10/31/1996 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 25. Transmitted January 7, 1997.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 4. . Vol. 1 - 1105925 DOC ID: 68666
DATE: 12/2/1996 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 26. Transmitted December 11, 1996.

2. 1. 4. . Vol. 1 - 1105926 DOC ID: 68667
DATE: 12/31/1996 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 27. Transmitted January 8, 1997.

2. 1. 4. . Vol. 1 - 1105927 DOC ID: 68669
DATE: 1/31/1997 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 28. Transmitted February 10, 1997.

2. 1. 4. . Vol. 1 - 1048138 DOC ID: 68668
DATE: 2/3/1997 PAGES: 1

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses Progress Report No. 27.

2. 1. 4. . Vol. 1 - 1062125 DOC ID: 92671
DATE: 2/28/1997 PAGES: 2

AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 29. Received March 12, 1997.

2. 1. 4. . Vol. 1 - 1062126 DOC ID: 92672
DATE: 3/17/1997 PAGES: 1

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Discusses a correction to Progress Report No. 29.

2. 1. 4. . Vol. 1 - 1062127 DOC ID: 92673
DATE: 3/31/1997 PAGES: 2

AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 30.

2. 1. 4. . Vol. 1 - 1062128 DOC ID: 92674
DATE: 4/30/1997 PAGES: 2

AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Parametrix, Inc.

EPA

DESCRIPTION: Progress Report No. 31.

2. 1. 4. . Vol. 1 - 1062971 DOC ID: 96764
DATE: 5/30/1997 PAGES: 2
AUTHOR(S):
Peter Stoltz/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 32.

2. 1. 4. . Vol. 1 - 1062972 DOC ID: 96798
DATE: 6/30/1997 PAGES: 2
AUTHOR(S):
Peter Stoltz/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 33.

2. 1. 4. . Vol. 1 - 1105383 DOC ID: 128902
DATE: 7/31/1997 PAGES: 3
AUTHOR(S):
Peter Stoltz/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Progress Report No. 34.

2. 1. 4. . Vol. 1 - 1105384 DOC ID: 128904
DATE: 8/31/1997 PAGES: 3
AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 35.

2. 1. 4. . Vol. 1 - 1105385 DOC ID: 128905
DATE: 9/30/1997 PAGES: 4
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 36.

2. 1. 4. . Vol. 1 - 1105386 DOC ID: 128908
DATE: 10/20/1997 PAGES: 2
AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Comments on Progress Report No. 36.

2. 1. 4. . Vol. 1 - 1105388 DOC ID: 128915
DATE: 10/30/1997 PAGES: 5
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Progress Report No. 37.

2. 1. 4. . Vol. 1 - 1105387 DOC ID: 128911
DATE: 11/24/1997 PAGES: 3
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Response to comments on Progress Report No. 36.

2. 1. 4. . Vol. 1 - 1105389 DOC ID: 128916
DATE: 11/30/1997 PAGES: 5
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 38.

2. 1. 4. . Vol. 1 - 1105390 DOC ID: 128919
DATE: 12/31/1997 PAGES: 5
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 39.

2. 1. 4. . Vol. 1 - 1105391 DOC ID: 128921
DATE: 1/30/1998 PAGES: 12
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 40.

2. 1. 4. . Vol. 1 - 1105392 DOC ID: 128926
DATE: 2/28/1998 PAGES: 5
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.
Dave Nation/Hydrometrics, Inc.
Thomas L. Aldrich/Asarco, Inc.
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 41.

2. 1. 4. . Vol. 1 - 1105393 DOC ID: 128928
DATE: 3/31/1998 PAGES: 6
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 42.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 4. . Vol. 1 - 1105394 DOC ID: 128929
DATE: 4/30/1998 PAGES: 4
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 43.

2. 1. 4. . Vol. 1 - 1105395 DOC ID: 128931
DATE: 5/31/1998 PAGES: 5
AUTHOR(S):
Peter Stoltz/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 44.

2. 1. 4. . Vol. 1 - 1105396 DOC ID: 128932
DATE: 6/30/1998 PAGES: 5
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

Dena Hughes/Roy F. Weston, Inc.

DESCRIPTION: Progress Report No. 45.

2. 1. 4. . Vol. 1 - 1105397 DOC ID: 128934
DATE: 7/31/1998 PAGES: 4
AUTHOR(S):
Unknown

ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 46.

2. 1. 4. . Vol. 1 - 1105398 DOC ID: 128935
DATE: 8/31/1998 PAGES: 5
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 47.

2. 1. 4. . Vol. 1 - 1105399 DOC ID: 128936
DATE: 9/30/1998 PAGES: 4
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 48.

2. 1. 4. . Vol. 1 - 1105400 DOC ID: 128938
DATE: 10/31/1998 PAGES: 5
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION:

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 1. 4. . Vol. 1 - 1105401 DOC ID: 128939
DATE: 11/30/1998 PAGES: 4
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Leslie C. Nellerhoe/Heller Ehrman White &
McAullife

DESCRIPTION: Progress Report No. 50.

2. 1. 4. . Vol. 1 - 1105402 DOC ID: 128961
DATE: 12/31/1998 PAGES: 4
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 51.

2. 1. 4. . Vol. 1 - 1105403 DOC ID: 128942
DATE: 1/31/1999 PAGES: 3
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 52.

2. 1. 4. . Vol. 1 - 1105404 DOC ID: 128944
DATE: 2/28/1999 PAGES: 4
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 53.

2. 1. 4. . Vol. 1 - 1105405 DOC ID: 128945
DATE: 3/31/1999 PAGES: 5
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 54.

2. 1. 4. . Vol. 1 - 1105406 DOC ID: 128948
DATE: 4/30/1999 PAGES: 3
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION:

2. 1. 4. . Vol. 1 - 1105407 DOC ID: 128949
DATE: 5/31/1999 PAGES: 3
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 56.

2. 1. 4. . Vol. 1 - 1105408 DOC ID: 128951
DATE: 6/30/1999 PAGES: 3
AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Jim Good/Parametrix, Inc.

Lee Marshall/EPA

DESCRIPTION: Progress Report No. 57.

2. 1. 4. . Vol. 1 - 1105409 DOC ID: 128952
DATE: 7/31/1999 PAGES: 3
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 58.

2. 1. 4. . Vol. 1 - 1105410 DOC ID: 128955
DATE: 8/31/1999 PAGES: 3
AUTHOR(S):
Unknown

ADDRESSEE(S):
EPA

DESCRIPTION: Progress Report No. 59.

2. 1. 4. . Vol. 1 - 1105411 DOC ID: 128956
DATE: 9/30/1999 PAGES: 3
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

Marian L. Abbett/Washington State Dept. of Ecology

Thomas L. Aldrich/Asarco, Inc.

Gayle Garman/NOAA

Scott Mason/Hydrometrics, Inc.

DESCRIPTION:

2. 1. 4. . Vol. 1 - 1105412 DOC ID: 128957
DATE: 10/31/1999 PAGES: 3
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Progress Report No. 61.

SUB-HEAD: 2. 2. . . Vol. 1 - Work Plan

2. 2. . . Vol. 1 - 1029432 DOC ID: 40900
DATE: 11/1/1994 PAGES: 78
AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Final Work Plan, Expanded Remedial Investigation and Feasibility Study, Asarco Sediments.

SUB-HEAD: 2. 3. . . Vol. 1 - Sampling and Analysis Plans/Quality Assurance Project Plans

SUB-HEAD: 2. 3. 1. . Vol. 1 - Correspondence

2. 3. 1. . Vol. 1 - 1013605 DOC ID: 28659
DATE: 3/10/1994 PAGES: 4
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Draft description of the interstitial porewater sampling method to obtain the whole-core interstitial porewater, titled Interstitial Porewater Whole Core Squeeze Method.

2. 3. 1. . Vol. 1 - 1013606 DOC ID: 28652
DATE: 4/20/1994 PAGES: 10
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Parametrix Experimental Protocol: Bioassay Procedures for Conducting Static Acute Toxicity Tests on Interstitial Water Using the Amphipod *Ampelisca abdita*.

2. 3. 1. . Vol. 1 - 1013607 DOC ID: 28654
DATE: 4/20/1994 PAGES: 11
AUTHOR(S): Unknown ADDRESSEE(S):
EPA

DESCRIPTION: Parametrix Experimental Protocol: Bioassay Procedures for Conducting Static Sediment Acute Toxicity Tests Using the Amphipod *Ampelisca agassizi*.

2. 3. 1. . Vol. 1 - 1013608 DOC ID: 28655
DATE: 4/20/1994 PAGES: 12
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Parametrix Experimental Protocol: Bioassay Procedures for Conducting Static Acute Toxicity Tests Using the Sand Dollar (*Dendraster excentricus*).

2. 3. 1. . Vol. 1 - 1013609 DOC ID: 28656
DATE: 4/20/1994 PAGES: 4
AUTHOR(S): Unknown ADDRESSEE(S):
EPA

DESCRIPTION: Standard Operating Procedure: Separation of slag particles to determine the contribution of slag to metals concentrations in sediment samples.

2. 3. 1. . Vol. 1 - 1013908 DOC ID: 28602
DATE: 8/16/1994 PAGES: 16
AUTHOR(S): Piper L. Peterson/EPA ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Comments regarding the Draft Sampling and Analysis Plan, Quality Assurance Project Plan, and Health and Safety Plan (August 1994) for Phase 1 of the Expanded Remedial Investigation/Feasibility Study Sediment Project - Asarco Off-Shore Sediments.

2. 3. 1. . Vol. 1 - 1013909 DOC ID: 28603
DATE: 8/17/1994 PAGES: 14
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Technical review of the Draft Sampling and Analysis Plan, Quality Assurance Project Plan, and Health and Safety Plan.

2. 3. 1. . Vol. 1 - 1013910 DOC ID: 28604
DATE: 8/17/1994 PAGES: 3
AUTHOR(S): Piper L. Peterson/EPA
ADDRESSEE(S): Leslie Nellerhoe/Heller Ehrman White & McAullife

DESCRIPTION: Proposes language to be added to the Statement of Work and to the draft Sampling and Analysis Plan for an Extended Remedial Investigation/Feasibility Study.

2. 3. 1. . Vol. 1 - 1013911 DOC ID: 28605
DATE: 8/22/1994 PAGES: 5
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Discusses revisions to the Expanded Remedial Investigation/Feasibility Study, Phase I Sampling and Analysis Plan. (Less attachment)

2. 3. 1. . Vol. 1 - 1013915 DOC ID: 28608
DATE: 9/6/1994 PAGES: 5
AUTHOR(S): Piper L. Peterson/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Technical review of the revised Draft Sampling and Analysis Plan, Quality Assurance Project Plan, and Health and Safety Plan.

2. 3. 1. . Vol. 1 - 1013916 DOC ID: 28609
DATE: 9/8/1994 PAGES: 27
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Final revisions to the Expanded Remedial Investigation/Feasibility Study Sediments Phase I Sampling and Analysis Plan.

2. 3. 1. . Vol. 1 - 1013917 DOC ID: 28610
DATE: 9/14/1994 PAGES: 1
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Transmits Split Sample Analysis and Quality Assurance Project Plan. (Less enclosure)

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 3. 1. . Vol. 1 - 1029357 DOC ID: 40813
DATE: 10/6/1994 PAGES: 4

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Discusses Split Sample Analysis and Quality Assurance Project Plan.

2. 3. 1. . Vol. 1 - 1029393 DOC ID: 40901
DATE: 10/7/1994 PAGES: 1

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Confirms conversation regarding split sampling activities.

2. 3. 1. . Vol. 1 - 1029394 DOC ID: 40902
DATE: 10/11/1994 PAGES: 2

AUTHOR(S):
Nancy A. Musgrove/Roy F. Weston, Inc.

ADDRESSEE(S):
Carl Stivers/Parametrix, Inc.

DESCRIPTION: Technical memorandum discusses quantity and location of reference areas.

2. 3. 1. . Vol. 1 - 1029395 DOC ID: 40903
DATE: 10/17/1994 PAGES: 15

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Michael R. Thorp/Heller Ehrman White &
McAullife

DESCRIPTION: Discusses selection of reference stations for Phase 1 sampling. Distribution list attached.

2. 3. 1. . Vol. 1 - 1029396 DOC ID: 40904
DATE: 10/18/1994 PAGES: 2

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Confirms results of discussion regarding locations of reference areas to be sampled.

2. 3. 1. . Vol. 1 - 1029359 DOC ID: 40816
DATE: 10/28/1994 PAGES: 1

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Acknowledges receipt of a letter in response to comments on the Split Sample Analysis and Quality Assurance Project Plan, and has determined the responses provided are acceptable and accepts the plan.

2. 3. 1. . Vol. 1 - 1029361 DOC ID: 40819
DATE: 11/21/1994 PAGES: 2

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Confirms Weston's split sampling activities during fish tissue and benthic tissue sampling effort.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 3. 1. . Vol. 1 - 1029363 DOC ID: 40821
DATE: 11/23/1994 PAGES: 1

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Discusses problems encountered attempting to collect samples along the slag peninsula.

2. 3. 1. . Vol. 1 - 1029364 DOC ID: 40822
DATE: 11/23/1994 PAGES: 2

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Clarifies arsenic chemical analysis methods.

2. 3. 1. . Vol. 1 - 1029366 DOC ID: 40824
DATE: 12/5/1994 PAGES: 2

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Confirms Weston's split sampling activities during porewater chemistry sampling effort.

2. 3. 1. . Vol. 1 - 1029367 DOC ID: 40825
DATE: 12/6/1994 PAGES: 2

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Identifies difficulties encountered while conducting sampling activities at the slag peninsula.

2. 3. 1. . Vol. 1 - 1029368 DOC ID: 40826
DATE: 12/9/1994 PAGES: 1

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Laura Castrilli/EPA

DESCRIPTION: Correction to split sample paperwork error.

2. 3. 1. . Vol. 1 - 1029426 DOC ID: 40957
DATE: 12/20/1994 PAGES: 1

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses the off-shore sediments Phase 1 sampling schedule.

2. 3. 1. . Vol. 1 - 1029370 DOC ID: 40828
DATE: 1/19/1995 PAGES: 1

AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Recommended modifications to Appendix E of the Asarco Sampling and Analysis Plan; protocol for collecting sediment porewater.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 3. 1. . Vol. 1 - 1029371 DOC ID: 40830
DATE: 1/30/1995 PAGES: 1

AUTHOR(S):
Laura Castrilli/EPA

ADDRESSEE(S):
Joseph N. Blazeovich/EPA

DESCRIPTION: Discusses porewater sample collection schedule.

2. 3. 1. . Vol. 1 - 1029373 DOC ID: 40831
DATE: 2/1/1995 PAGES: 2

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter responds to comments regarding slag peninsula sampling.

2. 3. 1. . Vol. 1 - 1029746 DOC ID: 40907
DATE: 2/14/1995 PAGES: 1

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Robert J. Miller/Hydrometrics, Inc.

DESCRIPTION: Requests copy of surface water Standard Operating Procedure.

2. 3. 1. . Vol. 1 - 1029372 DOC ID: 40834
DATE: 2/21/1995 PAGES: 1

AUTHOR(S):
Paul Kastens/Soil Technology, Inc.

ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Discusses disposition of pore water samples.

2. 3. 1. . Vol. 1 - 1044762 DOC ID: 67619
DATE: 3/6/1995 PAGES: 3

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Michael R. Thorp/Heller Ehrman White &
McAullife

DESCRIPTION: Invitation to the Phase 2 sediment sampling objectives meeting for the Expanded Remedial Investigation/Feasibility Study. Distribution list attached.

2. 3. 1. . Vol. 1 - 1029378 DOC ID: 40878
DATE: 3/20/1995 PAGES: 2

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Notifies EPA of status of sampling and analysis activities.

2. 3. 1. . Vol. 1 - 1029379 DOC ID: 40879
DATE: 3/20/1995 PAGES: 2

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letterb discusses decisions regarding slag peninsula sampling strategy.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 3. 1. . Vol. 1 - 1029355 DOC ID: 41752
DATE: 3/21/1995 PAGES: 2
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Discusses validation of the post-remedial investigation long-term surface water monitoring data; semivolatile organics off-shore sediments.

2. 3. 1. . Vol. 1 - 1029382 DOC ID: 40882
DATE: 3/23/1995 PAGES: 2
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Responds to sampling and analysis activities letter dated March 10, 1995.

2. 3. 1. . Vol. 1 - 1029737 DOC ID: 40884
DATE: 4/4/1995 PAGES: 2
AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses decisions regarding slag peninsula sampling.

2. 3. 1. . Vol. 1 - 1029861 DOC ID: 41333
DATE: 8/11/1995 PAGES: 9
AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Comparison between split samples collected by Weston and Asarco.

2. 3. 1. . Vol. 1 - 1029863 DOC ID: 41335
DATE: 9/8/1995 PAGES: 2
AUTHOR(S):
U. S. Army Corps of Engineers

ADDRESSEE(S):
EPA

DESCRIPTION: Comments regarding the Phase 2 Sampling and Analysis Plan, Expanded Remedial Investigation and Feasibility Study.

2. 3. 1. . Vol. 1 - 1029864 DOC ID: 41336
DATE: 9/11/1995 PAGES: 11
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments regarding the Phase 2 Sampling and Analysis Plan and the Quality Assurance Project Plan.

2. 3. 1. . Vol. 1 - 1029865 DOC ID: 41337
DATE: 9/13/1995 PAGES: 1
AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Acknowledges receipt of two Phase 2 documents: Off-Shore Sediments and Disposal Sites and Off-Shore Sediments.

2. 3. 1. . Vol. 1 - 1029883 DOC ID: 41360
DATE: 9/29/1995 PAGES: 1
AUTHOR(S): Leslie C. Nellerhoe/Heller Ehrman White & McAullife
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses initiation date of the habitat survey work and the bathymetric survey.

2. 3. 1. . Vol. 1 - 1029867 DOC ID: 41339
DATE: 10/3/1995 PAGES: 12
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Sediments Expanded Remedial Investigation/Feasibility Study Final Phase 2 Sampling and Analysis Plan.

2. 3. 1. . Vol. 1 - 1044766 DOC ID: 67623
DATE: 10/11/1995 PAGES: 3
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Leslie C. Nellerhoe/Heller Ehrman White & McAullife

DESCRIPTION: Acknowledges receipt of Asarco's draft final Phase 2 Sampling and Analysis Plan and approves Asarco's request to begin sampling activities regarding habitat survey and site bathymetry.

2. 3. 1. . Vol. 1 - 1105929 DOC ID: 43274
DATE: 10/19/1995 PAGES: 3
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Comments regarding the draft final Phase 2 Sampling and Analysis Plan.

2. 3. 1. . Vol. 1 - 1105693 DOC ID: 43283
DATE: 10/20/1995 PAGES: 5
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter approves the final Phase 2 Sampling and Analysis Plan.

2. 3. 1. . Vol. 1 - 1044767 DOC ID: 67624
DATE: 11/1/1995 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Transmits the final Phase 2 Sampling and Analysis Plan and discusses EPA comments. (Less enclosure)

2. 3. 1. . Vol. 1 - 1044134 DOC ID: 43275
DATE: 11/21/1995 PAGES: 1
AUTHOR(S):
ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Karen M. Stash/Roy F. Weston, Inc.

Piper L. Peterson Lee/EPA

DESCRIPTION: Additional comments regarding the final Phase 2 Sampling and Analysis Plan.

2. 3. 1. . Vol. 1 - 1044135 DOC ID: 43276
DATE: 11/29/1995 PAGES: 1
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments regarding the final Phase 2 Sampling and Analysis Plan.

2. 3. 1. . Vol. 1 - 1044768 DOC ID: 67626
DATE: 12/5/1996 PAGES: 2
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION:

2. 3. 1. . Vol. 1 - 1048268 DOC ID: 70152
DATE: 2/17/1997 PAGES: 1
AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Transmits the final Thin-Layer Cap Pilot Project Sampling and Analysis Plan and discusses the revised orientation. (Less enclosures)

2. 3. 1. . Vol. 1 - 1047015 DOC ID: 96885
DATE: 6/2/1997 PAGES: 1
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter approves the final Thin-Layer Cap Pilot Project Sampling and Analysis Plan.

2. 3. 1. . Vol. 1 - 1062973 DOC ID: 96805
DATE: 7/7/1997 PAGES: 1
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Discusses the necessity for additional sampling near the ferry terminal.

2. 3. 1. . Vol. 1 - 1105447 DOC ID: 129057
DATE: 8/26/1997 PAGES: 133
AUTHOR(S):
Lee Marshall/EPA

ADDRESSEE(S):
Michael R. Thorp/Heller Ehrman White & McAullife

DESCRIPTION: Letter transmits and discusses modifications to the sediments Statement of Work and Monitoring Plan.

2. 3. 1. . Vol. 1 - 1105448 DOC ID: 129060
DATE: 10/14/1997 PAGES: 1
AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Jim Good/Parametrix, Inc.

Lee Marshall/EPA

DESCRIPTION: Letter discusses ferry terminal and yacht basin supplemental sampling and analysis.

2. 3. 1. . Vol. 1 - 1105449 DOC ID: 129062
DATE: 11/5/1997 PAGES: 1
AUTHOR(S):
Lee Marshall/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses the supplemental work plan for off-shore sampling near the ferry terminal and yacht basin.

2. 3. 1. . Vol. 1 - 1105443 DOC ID: 129048
DATE: 9/3/1999 PAGES: 2
AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Memo transmits the Nearshore Marine Water Final Sampling and Analysis Plan for Copper - September 1999 Monitoring Event. (Less attachment)

SUB-HEAD: 2. 3. 2. . Vol. 1 - Sampling Activities

2. 3. 2. . Vol. 1 - 1013618 DOC ID: 28658
DATE: 1/14/1994 PAGES: 2
AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Table 1 from the Sediment Sampling Plan showing stations in the benthic assemblages sampled off-shore of the Asarco site and the characteristic taxa found in them.

SUB-HEAD: 2. 3. 2. 1. Vol. 1 - Schedules

2. 3. 2. 1. Vol. 1 - 1013750 DOC ID: 28649
DATE: 5/24/1994 PAGES: 15
AUTHOR(S):
Robert A. Taylor/U. S. Dept. of Commerce

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Cruise instructions and schedule for the Trustees' sampling/survey work regarding the Commencement Bay-wide damage assessment and restoration survey.

2. 3. 2. 1. Vol. 1 - 1029398 DOC ID: 40908
DATE: 10/14/1994 PAGES: 2
AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION: Sediments sampling schedule.

2. 3. 2. 1. Vol. 1 - 1062975 DOC ID: 96811
DATE: 7/14/1997 PAGES: 2
AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Discusses plans to conduct a visual survey of the Asarco shoreline.

2. 3. 2. 1. Vol. 1 - 1062976 DOC ID: 96814
DATE: 7/14/1997 PAGES: 1
AUTHOR(S): Don Weitkamp/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Discusses plans to conduct a second visual survey of the Asarco shoreline.

2. 3. 2. 1. Vol. 1 - 1062977 DOC ID: 96815
DATE: 7/15/1997 PAGES: 1
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Discusses changing the schedule for sediment sampling near the ferry terminal.

2. 3. 2. 1. Vol. 1 - 1062978 DOC ID: 96817
DATE: 7/24/1997 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Approves the new schedule to begin sampling sediments near the ferry terminal.

SUB-HEAD: 2. 3. 2. 2. Vol. 1 - Results/Chain of Custody/Validation

2. 3. 2. 2. Vol. 1 - 1029406 DOC ID: 40909
DATE: 10/27/1994 PAGES: 2
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Field sample data and chain of custody sheet.

2. 3. 2. 2. Vol. 1 - 1047388 DOC ID: 99216
DATE: 1/9/1995 PAGES: 325
AUTHOR(S): Kate Stegemoeller/Analytical Resources, Inc. ADDRESSEE(S):
Roger McGinnis/Roy F. Weston, Inc.

DESCRIPTION: Chain of custody records and results of sediment samples.

2. 3. 2. 2. Vol. 1 - 1029400 DOC ID: 40911
DATE: 1/18/1995 PAGES: 18
AUTHOR(S): Gerald H. Dodo/EPA ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Review of data package regarding the Polynuclear Aromatic Hydrocarbon Analyses of Tissue Samples.

2. 3. 2. 2. Vol. 1 - 1029403 DOC ID: 40913
DATE: 1/30/1995 PAGES: 3
AUTHOR(S): ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Carl Stivers/Parametrix, Inc.

Piper L. Peterson/EPA

DESCRIPTION: Chemistry results for reference station REF-3.

2. 3. 2. 2. Vol. 1 - 1029404 DOC ID: 40914
DATE: 3/9/1995 PAGES: 13
AUTHOR(S):
Gerald H. Dodo/EPA

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: BNA results from oversight project.

SUB-HEAD: 2. 3. 2. 2. Vol. 2 - Results/Chain of Custody/Validation

2. 3. 2. 2. Vol. 2 - 1047389 DOC ID: 99217
DATE: 3/22/1995 PAGES: 303
AUTHOR(S):
Kate Stegemoeller/Analytical Resources, Inc.

ADDRESSEE(S):
Roger McGinnis/Roy F. Weston, Inc.

DESCRIPTION: Chain of custody records and results of a porewater sample.

2. 3. 2. 2. Vol. 2 - 1047390 DOC ID: 99218
DATE: 7/20/1995 PAGES: 4
AUTHOR(S):
Kate Stegemoeller/Analytical Resources, Inc.

ADDRESSEE(S):
Jennifer M. Baier/Roy F. Weston, Inc.

DESCRIPTION: Report of metals results for one sample.

SUB-HEAD: 2. 3. 2. 3. Vol. 1 - EPA Field Oversights

2. 3. 2. 3. Vol. 1 - 1029405 DOC ID: 40915
DATE: 1/11/1995 PAGES: 3
AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Slag Distribution Audit.

2. 3. 2. 3. Vol. 1 - 1044031 DOC ID: 42496
DATE: 6/13/1995 PAGES: 5
AUTHOR(S):
Jennifer M. Baier/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

Roger McGinnis/Roy F. Weston, Inc.

DESCRIPTION: Quality Assurance review of Case Arsenic Speciation.

2. 3. 2. 3. Vol. 1 - 1044692 DOC ID: 67421
DATE: 11/3/1995 PAGES: 3
AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Oversight report for column settling test water collection activities.

SUB-HEAD: 2. 3. 2. 4. Vol. 1 - Sampling and Analysis Plan Modifications

2. 3. 2. 4. Vol. 1 - 1013918 DOC ID: 28611
DATE: 9/14/1994 PAGES: 2
AUTHOR(S): Piper L. Peterson/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Discusses proposed issues and resolutions to the revised sampling and analysis plan.

2. 3. 2. 4. Vol. 1 - 1029397 DOC ID: 40905
DATE: 10/31/1994 PAGES: 1
AUTHOR(S): Piper L. Peterson/EPA
ADDRESSEE(S): Donald Matheny/EPA

DESCRIPTION: Porewater Quality Control Sample Alteration Form.

2. 3. 2. 4. Vol. 1 - 1029431 DOC ID: 40906
DATE: 11/15/1994 PAGES: 2
AUTHOR(S): Don Weitkamp/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Discusses sampling and analysis plan modification for benthic tissue collection.

2. 3. 2. 4. Vol. 1 - 1044136 DOC ID: 43277
DATE: 10/31/1995 PAGES: 1
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Discusses methods for the Dredging Elutriate Test on the Expanded Remedial Investigation/Feasibility Study.

2. 3. 2. 4. Vol. 1 - 1029868 DOC ID: 41340
DATE: 11/6/1995 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Describes subsurface sampling conducted for Phase 2 of the Asarco Sediments Sampling.

2. 3. 2. 4. Vol. 1 - 1029869 DOC ID: 41341
DATE: 11/13/1995 PAGES: 2
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Responds to Parametrix's letter dated November 6, 1995 describing the subsurface sampling conducted for Phase 2 of the Asarco sediments project.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 3. 2. 4. Vol. 1 - 1044138 DOC ID: 43279
DATE: 2/5/1996 PAGES: 6
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Describes preliminary results of subsurface sampling and additional action taken due to the content of those results.

SUB-HEAD: 2. 3. 2. 5. Vol. 1 - Quality Assurance Project Plan

2. 3. 2. 5. Vol. 1 - 1013922 DOC ID: 28599
DATE: 9/21/1994 PAGES: 2
AUTHOR(S): Piper L. Peterson/EPA ADDRESSEE(S): EPA

DESCRIPTION: EPA Region 10 RAP Request: Asarco Sediment, Pore Water and Tissue Oversight.

2. 3. 2. 5. Vol. 1 - 1013923 DOC ID: 28600
DATE: 9/26/1994 PAGES: 2
AUTHOR(S): Laura Castrilli/EPA ADDRESSEE(S): EPA

DESCRIPTION: EPA Region 10 RAP Request: Asarco Sediment, Pore Water and Tissue Oversight.

2. 3. 2. 5. Vol. 1 - 1029870 DOC ID: 41342
DATE: 9/25/1995 PAGES: 1
AUTHOR(S): Patrick Newingham/EPA ADDRESSEE(S): EPA

DESCRIPTION: EPA Region 10 RAP Request: Asarco Sediment.

SUB-HEAD: 2. 3. 2. 6. Vol. 1 - Sampling and Analysis Plan

2. 3. 2. 6. Vol. 1 - 1013355 DOC ID: 28657
DATE: 9/10/1993 PAGES: 85
AUTHOR(S): Leslie C. Nellerhoe/Heller Ehrman White & McAullife ADDRESSEE(S): Chip Bartholomay/EPA

DESCRIPTION: Sampling and Analysis Plans for Asarco off-shore Sediment Investigation at Ruston, includes sampling and analysis plan material.

2. 3. 2. 6. Vol. 1 - 1013965 DOC ID: 30456
DATE: 9/14/1994 PAGES: 196 MICROFILM: ASF101 BEGIN: 290 END: 4
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S): Asarco, Inc.

DESCRIPTION: Sampling and Analysis Plan: Expanded Remedial Investigation and Feasibility Study - Asarco Sediments Superfund site.

2. 3. 2. 6. Vol. 1 - 1013930 DOC ID: 28625
DATE: 10/5/1994 PAGES: 120
AUTHOR(S): ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Hydrometrics, Inc.

Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Post-Remedial Investigation, Long Term Monitoring Sampling and Analysis Plan for Asarco smelter site.

SUB-HEAD: 2. 4. . . Vol. 1 - Sampling and Analysis Data Summaries

2. 4. . . Vol. 1 - 1013542 DOC ID: 28661
DATE: PAGES: 1
AUTHOR(S): ADDRESSEE(S):
Unknown Unknown

DESCRIPTION: Target sheet for three 5x3 floppy disks titled: Parametrix Raw Data - Asarco Sediments.

2. 4. . . Vol. 1 - 1013585 DOC ID: 28701
DATE: PAGES: 1
AUTHOR(S): ADDRESSEE(S):
Unknown Unknown

DESCRIPTION: Table showing concentrations of metals (ppm wet weight) in tissue of mussels (*Mytilus trossulus*) collected along the Asarco shoreline.

2. 4. . . Vol. 1 - 1013926 DOC ID: 28613
DATE: 4/19/1979 PAGES: 11
AUTHOR(S): ADDRESSEE(S):
Greg Cloud/Washington State Dept. of Ecology Rick Pierce/Unknown

DESCRIPTION: Memo discusses the Asarco Class II Industrial Survey.

2. 4. . . Vol. 1 - 1013925 DOC ID: 28612
DATE: 6/19/1989 PAGES: 2
AUTHOR(S): ADDRESSEE(S):
Donald Matheny/EPA Keith A. Rose/EPA

DESCRIPTION: Oversight review of inorganic data validation reports performed by Parametrix.

2. 4. . . Vol. 1 - 1047546 DOC ID: 28662
DATE: 7/6/1990 PAGES: 336
AUTHOR(S): ADDRESSEE(S):
Tom Schadt/Parametrix, Inc. Michael Stoner/EPA

DESCRIPTION: Benthic, bioassay and chemistry data from latest round of sampling.

2. 4. . . Vol. 1 - 1002160 DOC ID: 28737
DATE: 3/1/1993 PAGES: 81
AUTHOR(S): ADDRESSEE(S):
Parametrix, Inc. Asarco, Inc.

DESCRIPTION: Asarco Supplemental Marine Survey, Yacht Basin Survey Results.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 4. . . Vol. 1 - 1013622 DOC ID: 28738
DATE: 4/11/1994 PAGES: 1
AUTHOR(S): Unknown ADDRESSEE(S):
Unknown

DESCRIPTION: List of Potential Bioaccumulation Species collected from on-site grabs in March 1994.

SUB-HEAD: 2. 4. 1. . Vol. 1 - Correspondence

2. 4. 1. . Vol. 1 - 1029770 DOC ID: 40916
DATE: 9/20/1994 PAGES: 1
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Summary of split sampling events.
Note: Date of document is approximate.

2. 4. 1. . Vol. 1 - 1029862 DOC ID: 41334
DATE: 8/22/1995 PAGES: 1
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Discusses data verification of Asarco Sediment Data.

2. 4. 1. . Vol. 1 - 1029866 DOC ID: 41338
DATE: 9/28/1995 PAGES: 3
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Chemistry data regarding toxicity characteristics leaching procedure.

2. 4. 1. . Vol. 1 - 1105928 DOC ID: 43281
DATE: 10/13/1995 PAGES: 2
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter compares EP Toxicity test procedures to TCLP test procedures.

2. 4. 1. . Vol. 1 - 1044036 DOC ID: 43050
DATE: 1/23/1996 PAGES: 22
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter reviews the analytical data from the draft data report Site-Specific Residue Levels in Edible Seafood.

SUB-HEAD: 2. 4. 2. . Vol. 1 - Field Audits/Validations

2. 4. 2. . Vol. 1 - 1029409 DOC ID: 40917
DATE: 9/20/1994 PAGES: 52
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S):
EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Field Audit Report: Sediment Triad Sampling.

2. 4. 2. . Vol. 1 - 1029410 DOC ID: 40918
DATE: 10/27/1994 PAGES: 4
AUTHOR(S): ADDRESSSEE(S):
Jim Good/Parametrix, Inc. EPA

DESCRIPTION: Field Audit Report: Sediment Triad Sampling.

2. 4. 2. . Vol. 1 - 1105930 DOC ID: 43282
DATE: 11/29/1995 PAGES: 3
AUTHOR(S): ADDRESSSEE(S):
Karen M. Stash/Roy F. Weston, Inc. Piper L. Peterson Lee/EPA

DESCRIPTION: Oversight report for current meter deployment activities.

SUB-HEAD: 2. 4. 3. . Vol. 1 - Split Sample Results

2. 4. 3. . Vol. 1 - 1013924 DOC ID: 28601
DATE: 9/14/1994 PAGES: 39
AUTHOR(S): ADDRESSSEE(S):
Roy F. Weston, Inc. EPA

DESCRIPTION: Split Sample Analysis and Quality Assurance Project Plan: Commencement Bay Nearshore/Tideflats Asarco Sediments Site.

2. 4. 3. . Vol. 1 - 1029429 DOC ID: 40919
DATE: 10/27/1994 PAGES: 17
AUTHOR(S): ADDRESSSEE(S):
Joseph N. Blazeovich/EPA Piper L. Peterson/EPA

DESCRIPTION: Report of data validation of BNA's for Oversight Split Project; Sample 94382050.

2. 4. 3. . Vol. 1 - 1029408 DOC ID: 40922
DATE: 12/9/1994 PAGES: 17
AUTHOR(S): ADDRESSSEE(S):
Joseph N. Blazeovich/EPA Piper L. Peterson/EPA

DESCRIPTION: Report of data validation of BNA's for Oversight Split Project; Sample 94434640.

2. 4. 3. . Vol. 1 - 1029750 DOC ID: 40923
DATE: 12/9/1994 PAGES: 17
AUTHOR(S): ADDRESSSEE(S):
Joseph N. Blazeovich/EPA Piper L. Peterson/EPA

DESCRIPTION: Report of data validation of BNA's for Oversight Split Project; Sample 94402050.

2. 4. 3. . Vol. 1 - 1029751 DOC ID: 40924
DATE: 1/5/1995 PAGES: 23
AUTHOR(S): ADDRESSSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Isabel C. Chamberlain/EPA

Piper L. Peterson/EPA

DESCRIPTION: Metals analyses of sediment split sampling - total metals in soil.

2. 4. 3. . Vol. 1 - 1029399 DOC ID: 40910
DATE: 1/16/1995 PAGES: 29
AUTHOR(S):
EPA

ADDRESSEE(S):
EPA

DESCRIPTION: Oversight split sample final report.

2. 4. 3. . Vol. 1 - 1029402 DOC ID: 40912
DATE: 1/27/1995 PAGES: 11
AUTHOR(S):
Joseph N. Blazeovich/EPA

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Report of data validation of Tributyltin for the split sampling project.

2. 4. 3. . Vol. 1 - 1029752 DOC ID: 40927
DATE: 3/6/1995 PAGES: 10
AUTHOR(S):
Jennifer M. Baier/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

Roger McGinnis/Roy F. Weston, Inc.

DESCRIPTION: Quality assurance review of four sediment samples analyzed for inorganics.

2. 4. 3. . Vol. 1 - 1029753 DOC ID: 40928
DATE: 3/6/1995 PAGES: 8
AUTHOR(S):
Jennifer M. Baier/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

Roger McGinnis/Roy F. Weston, Inc.

DESCRIPTION: Quality assurance review of four tissue samples analyzed for inorganics.

2. 4. 3. . Vol. 1 - 1029754 DOC ID: 40929
DATE: 3/6/1995 PAGES: 9
AUTHOR(S):
Jennifer M. Baier/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

Roger McGinnis/Roy F. Weston, Inc.

DESCRIPTION: Quality assurance review of four sediment samples analyzed for acid volatile sulfide and total organic carbon.

2. 4. 3. . Vol. 1 - 1029755 DOC ID: 40930
DATE: 4/18/1995 PAGES: 6
AUTHOR(S):
Jennifer M. Baier/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Roger McGinnis/Roy F. Weston, Inc.

Piper L. Peterson/EPA

DESCRIPTION: Quality assurance review of one porewater sample analyzed for inorganics.

SUB-HEAD: 2. 4. 3. . Vol. 2 - Split Sample Results

2. 4. 3. . Vol. 2 - 1047342 DOC ID: 99119

DATE: 4/28/1995 PAGES: 577

AUTHOR(S):

Anne Falke/Frontier Geosciences Corp.

ADDRESSEE(S):

Roger McGinnis/Roy F. Weston, Inc.

DESCRIPTION: Arsenic Speciation in Tissue and Porewater.

SUB-HEAD: 2. 5. . . Vol. 1 - Health and Safety Plans (See Asarco Smelter AR, Sec. 2.3.2.3)

SUB-HEAD: 2. 7. . . Vol. 1 - Remedial Investigation/Feasibility Study Reports

2. 7. . . Vol. 1 - 1105931 DOC ID: 28719

DATE: 12/1/1989 PAGES: 138

AUTHOR(S):

Parametrix, Inc.

ADDRESSEE(S):

Asarco, Inc.

Ogden Beeman & Associates, Inc.

DESCRIPTION: Offshore Marine Sediments Feasibility Study.

2. 7. . . Vol. 1 - 1105932 DOC ID: 28722

DATE: 9/1/1990 PAGES: 317

AUTHOR(S):

Ronald L. Shimek/Parametrix, Inc.

ADDRESSEE(S):

Asarco, Inc.

DESCRIPTION: Supplementary Marine Sediment Survey, Benthic Survey Results.

2. 7. . . Vol. 1 - 1047264 DOC ID: 28732

DATE: 6/1/1991 PAGES: 38

AUTHOR(S):

Hartman Associates, Inc.

ADDRESSEE(S):

Asarco, Inc.

Parametrix, Inc.

DESCRIPTION: Supplemental Offshore Feasibility Study.

2. 7. . . Vol. 1 - 1002192 DOC ID: 28700

DATE: 10/1/1993 PAGES: 169

AUTHOR(S):

Roy F. Weston, Inc.

ADDRESSEE(S):

EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Supplemental Feasibility Study for the Asarco Sediments.

SUB-HEAD: 2. 7. 1. . Vol. 1 - Correspondence

2. 7. 1. . Vol. 1 - 1029872 DOC ID: 41345
DATE: 3/2/1990 PAGES: 1

AUTHOR(S):
Michael Stoner/EPA

ADDRESSEE(S):
John Malek/EPA

Marian L. Abbett/Washington State Dept. of Ecology

Lewis Consiglieri/NOAA

William Sullivan/Puyallup Tribe of Indians

D. S. Becker/PTI Environmental Services

DESCRIPTION: Transmits interim draft Supplemental Feasibility Study for Asarco Sediments March 1990 (PTI). (Less enclosures)

2. 7. 1. . Vol. 1 - 1013017 DOC ID: 28681
DATE: 12/16/1992 PAGES: 2

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Chip Bartholomay/EPA

DESCRIPTION: 70% version of the Supplemental Feasibility Study for the Asarco Sediment problem area, requiring substantial revisions.

2. 7. 1. . Vol. 1 - 1013016 DOC ID: 28688
DATE: 4/7/1993 PAGES: 1

AUTHOR(S):
Chip Bartholomay/EPA

ADDRESSEE(S):
Bruce A. Cochran/Washington State Dept. of Ecology

DESCRIPTION: Transmits the Draft Final Supplemental Feasibility Study for the Asarco Sediments Problem Area. (Less enclosure)

2. 7. 1. . Vol. 1 - 1013292 DOC ID: 28639
DATE: 1/20/1994 PAGES: 11

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Margaret Spence/Parametrix, Inc.

DESCRIPTION: Working notes and assumptions used for biological statistical analyses of the Supplemental Feasibility Study.

2. 7. 1. . Vol. 1 - 1029414 DOC ID: 40938
DATE: 3/13/1995 PAGES: 5

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter transmits and discusses comments regarding the draft Natural Recovery Memorandum.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 1. . Vol. 1 - 1029756 DOC ID: 40931
DATE: 3/30/1995 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Discusses the final Data Evaluation Memorandum for Phase 1 for the Expanded Remedial Investigation/Feasibility Study, and responds to EPA comments regarding the Memorandum. (Less enclosure)

2. 7. 1. . Vol. 1 - 1029757 DOC ID: 40932
DATE: 4/5/1995 PAGES: 7

AUTHOR(S):
Piper L. Peterson/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses the draft Disposal Site Inventory Report dated March 1995.

2. 7. 1. . Vol. 1 - 1029873 DOC ID: 41347
DATE: 4/6/1995 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter comments on the final Natural Recovery Memorandum and responds to EPA comments. (Less enclosure)

2. 7. 1. . Vol. 1 - 1029758 DOC ID: 40933
DATE: 4/19/1995 PAGES: 4

AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter regarding the Natural Recovery Memorandum: Phase 1 Investigations; Expanded Remedial Investigation and Feasibility Study.

2. 7. 1. . Vol. 1 - 1029874 DOC ID: 41349
DATE: 4/26/1995 PAGES: 8

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments regarding the final Data Evaluation Memorandum, and the draft final Natural Recovery Memorandum.

2. 7. 1. . Vol. 1 - 1029875 DOC ID: 41350
DATE: 6/5/1995 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Comments regarding the natural recovery evaluation procedures and the data evaluation procedures.

2. 7. 1. . Vol. 1 - 1029876 DOC ID: 41351
DATE: 6/14/1995 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter discusses the draft Phase 1 Data Report, and the Phase 2 Sampling and Analysis Approach. (Less enclosures)

2. 7. 1. . Vol. 1 - 1044769 DOC ID: 67627
DATE: 6/14/1995 PAGES: 2

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Leslie C. Nellerhoe/Heller Ehrman White & McAullife

DESCRIPTION: Letter informs addressees the draft Phase 1 Data Evaluation Report and the Phase 2 Sampling and Analysis Approach have been mailed, and requests comments.
Note: Document sent to 19 addressees.

2. 7. 1. . Vol. 1 - 1029871 DOC ID: 41343
DATE: 7/1/1995 PAGES: 4

AUTHOR(S):
U. S. Army Corps of Engineers

ADDRESSEE(S):
Unknown

DESCRIPTION: Comments regarding the Asarco Site Phase 1 Data Evaluation Report and the Phase 2 Sampling and Analysis Approach.

2. 7. 1. . Vol. 1 - 1029877 DOC ID: 41352
DATE: 7/5/1995 PAGES: 2

AUTHOR(S):
David C. Frederick/U. S. Fish & Wildlife Service

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Draft comments regarding the draft Phase 1 Data Evaluation Report and the Phase 2 Sampling and Analysis Approach.

2. 7. 1. . Vol. 1 - 1029878 DOC ID: 41353
DATE: 7/6/1995 PAGES: 2

AUTHOR(S):
David C. Frederick/U. S. Fish & Wildlife Service

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Comments regarding the draft Phase 1 Data Evaluation Report and the Phase 2 Sampling and Analysis Approach.

2. 7. 1. . Vol. 1 - 1029879 DOC ID: 41354
DATE: 7/6/1995 PAGES: 6

AUTHOR(S):
Michael Isensee/Citizens for a Healthy Bay

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on the Phase 1 Data Evaluation Report.

2. 7. 1. . Vol. 1 - 1029880 DOC ID: 41356
DATE: 7/6/1995 PAGES: 3

AUTHOR(S):
Joanne M. Snarski/Washington State Dept. of Natural Resources

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Comments regarding the Phase 1 Data Evaluation Report and Phase 2 Sampling and Analysis Approach.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 1. . Vol. 1 - 1029881 DOC ID: 41357
DATE: 7/12/1995 PAGES: 29

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses concerns regarding the Expanded Remedial Investigation/Feasibility Study Phase 1 Data Evaluation Report, Phase 2 Sampling and Analysis Approach, and the Natural Recovery Assessment Review.

2. 7. 1. . Vol. 1 - 1029762 DOC ID: 40949
DATE: 7/26/1995 PAGES: 2

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Rachel Friedman-Thomas/Washington State
Dept. of Ecology

DESCRIPTION: Arranges a meeting to discuss the Phase 1 Data Report and the Phase 2 Sampling and Analysis Plan sediments information which needs to be reviewed.

2. 7. 1. . Vol. 1 - 1029888 DOC ID: 41368
DATE: 9/8/1995 PAGES: 10

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter responds to proposed scenarios for disposal of sediments.

2. 7. 1. . Vol. 1 - 1029882 DOC ID: 41358
DATE: 9/11/1995 PAGES: 21

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter transmits the final Phase 1 Data Report (less enclosure) and responses to EPA's comments on the draft report.

2. 7. 1. . Vol. 1 - 1029889 DOC ID: 41370
DATE: 10/3/1995 PAGES: 3

AUTHOR(S):
Leslie C. Nellerhoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter responds to certain comments regarding the Disposal Site Inventory, and the Phase 2 Sampling and Analysis Plan.

2. 7. 1. . Vol. 1 - 1029884 DOC ID: 41361
DATE: 11/9/1995 PAGES: 7

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments regarding the draft final Expanded Remedial Investigation/Feasibility Study Phase 1 Data Report.

2. 7. 1. . Vol. 1 - 1029885 DOC ID: 41363
DATE: 2/21/1996 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Leslie C. Nellerhoe/Heller Ehrman White &
McAullife

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Outline for the Phase 2 Data Evaluation Report.

2. 7. 1. . Vol. 1 - 1029886 DOC ID: 41365
DATE: 3/18/1996 PAGES: 5
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Christopher A. Beaverson/NOAA

DESCRIPTION: Letter discusses the schedule for Asarco Sediment project deliverables, review times and meetings (address list attached).

2. 7. 1. . Vol. 1 - 1029887 DOC ID: 41367
DATE: 3/29/1996 PAGES: 2
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter transmits the Phase 2 draft Data Evaluation Report. (Less enclosures)

2. 7. 1. . Vol. 1 - 1044770 DOC ID: 67628
DATE: 4/8/1996 PAGES: 14
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Handwritten notes regarding information from the Phase 2 Data Evaluation Report meeting.

2. 7. 1. . Vol. 1 - 1044771 DOC ID: 67629
DATE: 4/23/1996 PAGES: 4
AUTHOR(S): Thomas Poole/U. S. Army Corps of Engineers
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Faxed annotated letter with comments regarding the Remedial Investigation/Feasibility Study Phase 2 Data Report.

2. 7. 1. . Vol. 1 - 1044772 DOC ID: 67630
DATE: 4/24/1996 PAGES: 3
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Bruce A. Cochran/Washington State Dept. of Ecology

DESCRIPTION: Invitation to attend a meeting to discuss the Phase 2 Data Evaluation Report for the Asarco Sediments Expanded Remedial Investigation/Feasibility Report and the Pilot Project Technical Approach.

2. 7. 1. . Vol. 1 - 1044773 DOC ID: 67632
DATE: 5/6/1996 PAGES: 2
AUTHOR(S): EPA
ADDRESSEE(S): Michael R. Thorp/Heller Ehrman White & McAullife

DESCRIPTION: Agenda for the Sediments Design Group meeting scheduled for May 6, 1996.

2. 7. 1. . Vol. 1 - 1105898 DOC ID: 67635
DATE: 5/13/1996 PAGES: 2
AUTHOR(S):
ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

David C. Frederick/U. S. Fish & Wildlife Service

Piper L. Peterson Lee/EPA

DESCRIPTION: Letter with comments regarding the Phase 2 Data Evaluation Report for the Asarco Sediments Expanded Remedial Investigation/Feasibility Report and Pilot Project Technical Approach.

2. 7. 1. . Vol. 1 - 1105171 DOC ID: 127673
DATE: 5/15/1996 PAGES: 3

AUTHOR(S):
Carl Samuelson/Washington State Dept. of Fisheries

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses the Phase 2 Data Evaluation Report for the Sediments Expanded Remedial Investigation/Feasibility Report; Pilot Project Technical Approach.

2. 7. 1. . Vol. 1 - 1105897 DOC ID: 67637
DATE: 5/16/1996 PAGES: 2

AUTHOR(S):
Joanne M. Swift/Washington State Dept. of Natural Resources

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter with comments regarding the Phase 2 Data Evaluation Report, ASARCO Sediments Superfund Site Expanded Remedial Investigation and Feasibility Study (March 1996).

2. 7. 1. . Vol. 1 - 1044775 DOC ID: 67638
DATE: 5/16/1996 PAGES: 4

AUTHOR(S):
Carl Samuelson/Washington State Dept. of Fisheries

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Fax comments on the Phase 2 Data Evaluation Report for the Asarco Sediments Expanded Remedial Investigation/Feasibility Report, and the Pilot Project Technical Approach.

Note: Document contains marginalia.

2. 7. 1. . Vol. 1 - 1044776 DOC ID: 67639
DATE: 5/16/1996 PAGES: 8

AUTHOR(S):
Doug Pierce/Citizens for a Healthy Bay

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter transmits comments regarding the Phase 2 Data Evaluation Report on the Asarco Sediments site in Commencement Bay.

2. 7. 1. . Vol. 1 - 1105172 DOC ID: 127674
DATE: 5/17/1996 PAGES: 8

AUTHOR(S):
Doug Pierce/Citizens for a Healthy Bay

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses the Phase 2 Data Evaluation Report and asks questions regarding the conclusions and statements made therein.

2. 7. 1. . Vol. 1 - 1044777 DOC ID: 67640
DATE: 5/21/1996 PAGES: 6

AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Fax transmits draft comments regarding the Phase 2 Data Evaluation Report, Volume 1.

2. 7. 1. . Vol. 1 - 1105899 DOC ID: 67641
DATE: 5/21/1996 PAGES: 7
AUTHOR(S): Christopher A. Beaverson/NOAA
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on the Asarco Phase 2 Data Evaluation Report, Vol. I; Asarco Sediments Superfund Site, Expanded Remedial Investigation, and Feasibility Study and Pilot Capping Project.

2. 7. 1. . Vol. 1 - 1105900 DOC ID: 43284
DATE: 5/24/1996 PAGES: 1
AUTHOR(S): Carl E. Samuelson/State of Washington
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on a review of the April 1996 draft Natural Recovery Report.

2. 7. 1. . Vol. 1 - 1044779 DOC ID: 67642
DATE: 5/28/1996 PAGES: 10
AUTHOR(S): Thomas Poole/U. S. Army Corps of Engineers
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Fax transmits comments regarding the Asarco Phase 2 Report.

2. 7. 1. . Vol. 1 - 1044144 DOC ID: 43285
DATE: 5/31/1996 PAGES: 4
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter comments regarding the final Phase 1 Data Evaluation Report.

2. 7. 1. . Vol. 1 - 1044145 DOC ID: 43286
DATE: 6/3/1996 PAGES: 2
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Michael R. Thorp/Heller Ehrman White & McAullife
Thomas L. Aldrich/Asarco, Inc.
Bill Sullivan/Puyallup Tribe of Indians
Thomas N. Poole/U. S. Army Corps of Engineers
Bruce A. Cochran/Washington State Dept. of Ecology

DESCRIPTION: Invitation to a meeting to discuss the Phase 2 Data Evaluation Report comments.
Note: This document has 22 addressees.

2. 7. 1. . Vol. 1 - 1062115 DOC ID: 43287
DATE: 6/4/1996 PAGES: 29
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Technical review of the draft Phase 2 Data Evaluation Report, Asarco Sediments.

2. 7. 1. . Vol. 1 - 1044147 DOC ID: 43288
DATE: 6/7/1996 PAGES: 29
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Technical review of the draft Phase 2 Data Evaluation Report, and draft Pilot Project Technical Approach.

2. 7. 1. . Vol. 1 - 1105901 DOC ID: 43289
DATE: 6/21/1996 PAGES: 6
AUTHOR(S): Christopher A. Beaverson/NOAA
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter with comments regarding the draft Natural Recovery and Long-term Contaminant Mobility Methods; Technical Memorandum Phase 2 Expanded Remedial Investigation/Feasibility Study.

2. 7. 1. . Vol. 1 - 1044149 DOC ID: 43290
DATE: 6/28/1996 PAGES: 39
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter transmits comment letters regarding the Phase 2 Data Evaluation.

2. 7. 1. . Vol. 1 - 1044150 DOC ID: 43291
DATE: 6/28/1996 PAGES: 10
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses the draft Natural Recovery and Long-Term Contaminant Mobility Methods Technical Memorandum.

2. 7. 1. . Vol. 1 - 1105173 DOC ID: 127675
DATE: 8/5/1996 PAGES: 2
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter transmits the draft Phase 2 Refinement of Options Report for the Sediments Expanded Remedial Investigation/Feasibility Study. (Less enclosures)

2. 7. 1. . Vol. 1 - 1044780 DOC ID: 67643
DATE: 8/7/1996 PAGES: 4
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Bruce A. Cochran/Washington State Dept. of Ecology

DESCRIPTION: Letter solicits comments regarding the draft Phase 2 Refinement of Options Report Review.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 1. . Vol. 1 - 1105175 DOC ID: 127677
DATE: 8/15/1996 PAGES: 2
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Rachel Friedman-Thomas/Washington State
Dept. of Ecology
Jeff Krausmann/U. S. Fish & Wildlife
Service
Russ McMillan/Washington State Dept. of
Ecology
Carl Samuelson/Washington State Dept. of
Fisheries
Joanne M. Snarski-Swift/Washington State
Dept. of Natural Resources

DESCRIPTION: Letter invites addressees to a Pilot Cap Scoping Meeting, and a Phase 2 Refinement of Options Report Overview.

2. 7. 1. . Vol. 1 - 1044693 DOC ID: 67424
DATE: 8/28/1996 PAGES: 19
AUTHOR(S):
Thomas N. Poole/U. S. Dept. of Defense

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Comments on the Expanded Remedial Investigation/Feasibility Study, Phase 2 Refinement of Options Report.

2. 7. 1. . Vol. 1 - 1044694 DOC ID: 67426
DATE: 8/30/1996 PAGES: 3
AUTHOR(S):
Doug Pierce/Citizens for a Healthy Bay

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on the Refinement of Options Report.

2. 7. 1. . Vol. 1 - 1044695 DOC ID: 67428
DATE: 9/3/1996 PAGES: 8
AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on the Phase 2 Refinement of Remedial Options Report.

2. 7. 1. . Vol. 1 - 1044696 DOC ID: 67429
DATE: 9/5/1996 PAGES: 4
AUTHOR(S):
Joanne M. Swift/Washington State Dept. of Natural
Resources

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on the Phase 2 Refinement of Options Report.

2. 7. 1. . Vol. 1 - 1048257 DOC ID: 67434
DATE: 9/26/1996 PAGES: 2
AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Russ McMillan/Washington State Dept. of
Ecology

DESCRIPTION: Letter advises addressee of the pilot cap meeting schedule.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 1. . Vol. 1 - 1048258 DOC ID: 67436
DATE: 10/10/1996 PAGES: 21
AUTHOR(S): Cara Steiner-Riley/EPA
ADDRESSEE(S): Glen St. Amant/Muckleshoot Indian Tribe

DESCRIPTION: Letter discusses results of the pilot cap study meeting.
Note: Letter sent to eight other addressees.

2. 7. 1. . Vol. 1 - 1101980 DOC ID: 67446
DATE: 10/15/1996 PAGES: 1
AUTHOR(S): Leslie C. Nellermoe/Heller Ehrman White & McAullife
ADDRESSEE(S): Cara Steiner-Riley/EPA

DESCRIPTION: Letter responds to EPA comments on the Phase 2 Refinement of Options Report on Asarco Sediments.

2. 7. 1. . Vol. 1 - 1048259 DOC ID: 67437
DATE: 10/29/1996 PAGES: 1
AUTHOR(S): Carl Stivers/Parametrix, Inc.
ADDRESSEE(S): Asarco Sediments Design Group

DESCRIPTION: Memo transmits a revised Pilot Project Approach for the Asarco Tacoma sediments site.
(Less enclosure)

2. 7. 1. . Vol. 1 - 1044697 DOC ID: 67431
DATE: 10/30/1996 PAGES: 3
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter comments on the Final Phase 2 Refinement of Options Report.

2. 7. 1. . Vol. 1 - 1082952 DOC ID: 67432
DATE: 11/8/1996 PAGES: 1
AUTHOR(S): Leslie C. Nellermoe/Heller Ehrman White & McAullife
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses the deadline for delivery of the final Refinement of Options Report.

2. 7. 1. . Vol. 1 - 1105902 DOC ID: 67644
DATE: 11/13/1996 PAGES: 1
AUTHOR(S): Doug Pierce/Citizens for a Healthy Bay
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter with comments regarding the proposed pilot cap project.

2. 7. 1. . Vol. 1 - 1044798 DOC ID: 67645
DATE: 11/18/1996 PAGES: 2
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Bruce A. Cochran/Washington State Dept. of Ecology

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter transmits EPA's draft final Ecological Risk Assessment and Seafood Consumption Screening Risk Assessment and requests comments; also informs addressee of date and time of the next meeting. (Less enclosure)

2. 7. 1. . Vol. 1 - 1082955 DOC ID: 67646
DATE: 11/25/1996 PAGES: 4
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses cost estimates for sediments dredging and upland disposal for the Asarco Sediments Expanded Remedial Investigation/Feasibility Study.

2. 7. 1. . Vol. 1 - 1044784 DOC ID: 67647
DATE: 11/25/1996 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter informs addressee that EPA is sending Carl Stivers, Parametrix, a disk with the agency's comments on the Phase 2 Refinement of Options Report.

2. 7. 1. . Vol. 1 - 1082957 DOC ID: 70172
DATE: 12/2/1996 PAGES: 79
AUTHOR(S): Carl Stivers/Parametrix, Inc. ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Responses to EPA comments on the revised Phase 2 Refinement of Options Report.

2. 7. 1. . Vol. 1 - 1082958 DOC ID: 67648
DATE: 12/4/1996 PAGES: 8
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): William C. Sullivan/Puyallup Tribe of Indians
Jeff Krausmann/U. S. Fish & Wildlife Service
Carl Samuelson/Washington State Dept. of Fisheries
Joanne M. Snarski-Swift/Washington State Dept. of Natural Resources
Glen St. Amant/Muckleshoot Indian Tribe

DESCRIPTION: Letter transmits the Draft Ecological Risk Assessment, and the Seafood Consumption Screening Risk Assessment, and requests comments. (Less enclosure)

2. 7. 1. . Vol. 1 - 1044786 DOC ID: 67649
DATE: 12/7/1996 PAGES: 7
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter with consolidated comments regarding the proposed pilot cap project.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 1. . Vol. 1 - 1044787 DOC ID: 67650
DATE: 12/11/1996 PAGES: 7

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Rachel Friedman-Thomas/Washington State
Dept. of Ecology

DESCRIPTION: Comments regarding Asarco's Cost Estimate Memorandum, and Revised Phase 2 Refinement of Options Report review.

2. 7. 1. . Vol. 1 - 1044788 DOC ID: 67651
DATE: 12/18/1996 PAGES: 2

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Asarco Sediments Design Group

DESCRIPTION: Letter sets date for a meeting to discuss the draft Pilot Project Sampling and Analysis Plan.

2. 7. 1. . Vol. 1 - 1105904 DOC ID: 68670
DATE: 1/3/1997 PAGES: 1

AUTHOR(S):
Joanne M. Swift/Washington State Dept. of Natural
Resources

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on the Thin-Layer Cap Pilot Project Sampling and Analysis Plan.

2. 7. 1. . Vol. 1 - 1105905 DOC ID: 68671
DATE: 1/8/1997 PAGES: 2

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter transmits the final Pilot Project Approach and discusses further revisions. (Less attachments)

2. 7. 1. . Vol. 1 - 1105906 DOC ID: 68672
DATE: 1/13/1997 PAGES: 33

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter responds to EPA comments regarding the Thin-Layer Cap Pilot Project Sampling and Analysis Plan.

2. 7. 1. . Vol. 1 - 1105907 DOC ID: 68673
DATE: 1/14/1997 PAGES: 1

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
File

DESCRIPTION: Handwritten notes from the Pilot Cap Project meeting.

2. 7. 1. . Vol. 1 - 1105908 DOC ID: 68674
DATE: 1/16/1997 PAGES: 4

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Memo transmits an Invitation to Bid on the Thin-Layer Cap Pilot Project.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 1. . Vol. 1 - 1105909 DOC ID: 68675
DATE: 1/27/1997 PAGES: 3

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Karen M. Stash/Roy F. Weston, Inc.

DESCRIPTION: Memo discusses Pilot Project erosion.

2. 7. 1. . Vol. 1 - 1048145 DOC ID: 68676
DATE: 1/28/1997 PAGES: 1

AUTHOR(S):
Barbara A. Smolko/Citizens for a Healthy Bay

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter comments on the Ecological Risk Assessment, and the Seafood Consumption Screening Risk Assessment.

2. 7. 1. . Vol. 1 - 1048146 DOC ID: 68677
DATE: 1/28/1997 PAGES: 2

AUTHOR(S):
Barbara A. Smolko/Citizens for a Healthy Bay

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Comments regarding the Refinement of Options Responsiveness Summary.

2. 7. 1. . Vol. 1 - 1048147 DOC ID: 68678
DATE: 2/5/1997 PAGES: 1

AUTHOR(S):
Dave Nation/Hydrometrics, Inc.

ADDRESSEE(S):
Bruce A. Cochran/Washington State Dept. of Ecology
Piper L. Peterson Lee/EPA

DESCRIPTION: Memo discusses the draft topical agenda for the sediments meeting.

2. 7. 1. . Vol. 1 - 1048148 DOC ID: 68680
DATE: 2/11/1997 PAGES: 2

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter documents the agreement between the EPA and Asarco regarding placement of the pilot cap.

2. 7. 1. . Vol. 1 - 1105910 DOC ID: 68681
DATE: 2/18/1997 PAGES: 2

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Asarco Sediments Design Group

DESCRIPTION: Letter notifies members of meeting to discuss the Thin-Layer Pilot Project status.
Note: There are 27 addressees to this letter.

2. 7. 1. . Vol. 1 - 1047002 DOC ID: 96868
DATE: 3/3/1997 PAGES: 13

AUTHOR(S):
Leslie C. Nellerhoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter comments on the Ecological Risk Assessment, and the Seafood Consumption Screening Risk Assessment.

2. 7. 1. . Vol. 1 - 1047003 DOC ID: 96871
DATE: 3/18/1997 PAGES: 1

AUTHOR(S):
Philip J. Hertzog/Washington State Dept. of Natural
Resources

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses meeting attendance and transmits a Mineralogy Study conducted by the author's Geology Division. (Less enclosure)

2. 7. 1. . Vol. 1 - 1047004 DOC ID: 96872
DATE: 3/25/1997 PAGES: 4

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Kathy Marshall/Washington State Dept. of
Natural Resources

DESCRIPTION: Letter transmits Exhibits A and B of the Aquatic Land Use Authorization application for the Thin-Layer Cap Pilot Project.

2. 7. 1. . Vol. 1 - 1047006 DOC ID: 96875
DATE: 3/31/1997 PAGES: 8

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter reviews the draft Final Thin-Layer Cap Pilot Project Sampling and Analysis Plan dated February 1997.

2. 7. 1. . Vol. 1 - 1047007 DOC ID: 96876
DATE: 4/4/1997 PAGES: 5

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Loren C. McPhillips/EPA

Piper L. Peterson Lee/EPA

DESCRIPTION: Fax discusses the proposed purchase of Puyallup Delta material for the thin cap pilot project.

2. 7. 1. . Vol. 1 - 1047008 DOC ID: 96877
DATE: 4/9/1997 PAGES: 2

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter responds to Asarco's Joint Aquatic Resource Permit Application, and request for a Hydraulic Project Approval.

2. 7. 1. . Vol. 1 - 1047009 DOC ID: 96879
DATE: 4/10/1997 PAGES: 2

AUTHOR(S):
Thomas L. Aldrich/Asarco, Inc.

ADDRESSEE(S):
Ron Landon/Washington State Dept. of
Transportation

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter discusses the availability of A. H. Powers Construction Company to construct a thin-layer cap.

2. 7. 1. . Vol. 1 - 1047010 DOC ID: 96880
DATE: 4/21/1997 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
John Boettner/Washington State Dept. of
Fish & Wildlife

DESCRIPTION: Letter discusses the substantive requirements pertaining to the Hydraulic Project Approval for the Asarco Sediments Pilot Project.

2. 7. 1. . Vol. 1 - 1047011 DOC ID: 96881
DATE: 5/8/1997 PAGES: 3

AUTHOR(S):
Bernard Shanks/Washington State Dept. of Fish &
Wildlife

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses the review of the Joint Aquatic Resource Permit Application.

2. 7. 1. . Vol. 1 - 1047012 DOC ID: 96882
DATE: 5/8/1997 PAGES: 6

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter transmits responses to Asarco's comments on the draft Thin-Layer Cap Pilot Project Sampling and Analysis Plan.

2. 7. 1. . Vol. 1 - 1047013 DOC ID: 96883
DATE: 5/15/1997 PAGES: 2

AUTHOR(S):
Cara Steiner-Riley/EPA

ADDRESSEE(S):
Leslie C. Nellerhoe/Heller Ehrman White &
McAullife

DESCRIPTION: Letter discusses the Substantive Requirements for the Thin-Layer Cap Pilot Project.

2. 7. 1. . Vol. 1 - 1047014 DOC ID: 96884
DATE: 5/19/1997 PAGES: 1

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses scheduling conflicts of the Sediments Pilot Project.

2. 7. 1. . Vol. 1 - 1047005 DOC ID: 96873
DATE: 5/28/1997 PAGES: 23

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: EPA's reply to Asarco's "Response to Comments," Refinement of Options Report, and Phase 2 Data Evaluation Report (December 1996) Asarco Off-Shore Sediments.

2. 7. 1. . Vol. 1 - 1062980 DOC ID: 96825
DATE: 7/8/1997 PAGES: 9

AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Piper L. Peterson Lee/EPA

Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Discusses the revised Phase 2 Refinement of Options Report, and discrepancies between the EPA's and Asarco's modeling results.

2. 7. 1. . Vol. 1 - 1062974 DOC ID: 96808
DATE: 7/10/1997 PAGES: 1

AUTHOR(S):
Peter Stoltz/Parametrix, Inc.

ADDRESSEE(S):
A. H. Powers/A. H. Powers, Inc.

DESCRIPTION: Confirms the schedule for constructing the cap for the Thin-Layer Pilot Project.

2. 7. 1. . Vol. 1 - 1062994 DOC ID: 96861
DATE: 7/22/1997 PAGES: 1

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Christopher A. Beaverson/NOAA

Jeff Krausmann/U. S. Fish & Wildlife
Service
Thomas Poole/U. S. Army Corps of Engineers

Carl Samuelson/Washington State Dept. of
Fisheries
Glen St. Amant/Muckleshoot Indian Tribe

DESCRIPTION: Review of the Shoreline Stabilization and Protection Field Investigation Work Plan.

2. 7. 1. . Vol. 1 - 1105422 DOC ID: 129064
DATE: 8/13/1997 PAGES: 1

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits the Natural Recovery and Sediment/Groundwater Issues Memo. (Less enclosure)

2. 7. 1. . Vol. 1 - 1072996 DOC ID: 114837
DATE: 5/12/1999 PAGES: 4

AUTHOR(S):
Lee Marshall/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Comments on the Thin-Layer Cap Pilot Project: Year 1 Monitoring Report.

2. 7. 1. . Vol. 1 - 1105535 DOC ID: 129340
DATE: 8/30/1999 PAGES: 1

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits the draft report, Refinement of the Proposed Remedy. (Less enclosures)

2. 7. 1. . Vol. 1 - 1105536 DOC ID: 129341
DATE: 9/6/1999 PAGES: 2

AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Jim Good/Parametrix, Inc.

Lee Marshall/EPA

DESCRIPTION: Letter transmits the raw data appendices to the draft report, Refinement of the Proposed Remedy. (Less attachments)

SUB-HEAD: 2. 7. 2. . Vol. 1 - Data Evaluation Technical Memorandum

2. 7. 2. . Vol. 1 - 1029411 DOC ID: 40934
DATE: 12/26/1994 PAGES: 33

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Memo transmits the draft Data Evaluation Memorandum, Phase 1 Investigations.

2. 7. 2. . Vol. 1 - 1029761 DOC ID: 40936
DATE: 3/1/1995 PAGES: 36

AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Final Data Evaluation Memorandum, Phase 1 Investigations.

SUB-HEAD: 2. 7. 3. . Vol. 1 - Natural Recovery Technical Memorandum

2. 7. 3. . Vol. 1 - 1029413 DOC ID: 40937
DATE: 2/15/1995 PAGES: 22

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Draft Natural Recovery Memorandum: Phase 1 Investigations.

2. 7. 3. . Vol. 1 - 1029891 DOC ID: 41374
DATE: 4/1/1995 PAGES: 25

AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Natural Recovery Memorandum: Phase 1 Investigations.

2. 7. 3. . Vol. 1 - 1105933 DOC ID: 43292
DATE: 1/1/1996 PAGES: 14

AUTHOR(S):
B. Pippin/Parametrix, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION: Draft summary - WASP5, Recovery, Sedcam, Fundamental Statements.

2. 7. 3. . Vol. 1 - 1105934 DOC ID: 43293
DATE: 4/29/1996 PAGES: 41

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Technical Memorandum: Natural Recovery and Long-Term Contaminant Mobility Methods.

SUB-HEAD: 2. 7. 4. . Vol. 1 - Disposal Site Inventory Report

2. 7. 4. . Vol. 1 - 1029415 DOC ID: 40939
DATE: 3/15/1995 PAGES: 146
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION:

SUB-HEAD: 2. 7. 5. . Vol. 1 - Phase 1 Expanded RI/FS Report

2. 7. 5. . Vol. 1 - 1029729 DOC ID: 40940
DATE: 6/1/1995 PAGES: 1,270
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Phase 1 Data Evaluation Report and Phase 2 Sampling and Analysis Approach, Expanded Remedial Investigation and Feasibility Study, Appendix F, Chemistry, Bioassay, and Benthic Community Data, Volume 4a.

SUB-HEAD: 2. 7. 5. . Vol. 2 - Phase 1 Expanded RI/FS Report

2. 7. 5. . Vol. 2 - 1029730 DOC ID: 40941
DATE: 6/1/1995 PAGES: 1,400
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Phase 1 Data Evaluation Report and Phase 2 Sampling and Analysis Approach, Expanded Remedial Investigation and Feasibility Study, Appendix F, Chemistry, Bioassay, and Benthic Community Data, Volume 4b.

SUB-HEAD: 2. 7. 5. . Vol. 3 - Phase 1 Expanded RI/FS Report

2. 7. 5. . Vol. 3 - 1029734 DOC ID: 40942
DATE: 6/1/1995 PAGES: 1,052
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Phase 1 Data Evaluation Report and Phase 2 Sampling and Analysis Approach, Expanded Remedial Investigation and Feasibility Study, Appendix F, Chemistry, Bioassay, and Benthic Community Data, Volume 4c.

SUB-HEAD: 2. 7. 5. . Vol. 4 - Phase 1 Expanded RI/FS Report

2. 7. 5. . Vol. 4 - 1029731 DOC ID: 40943
DATE: 6/1/1995 PAGES: 566
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Unknown

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Phase 1 Data Evaluation Report and Phase 2 Sampling and Analysis Approach, Expanded Remedial Investigation and Feasibility Study, Appendix F, Chemistry, Bioassay, and Benthic Community Data, Volume 4d.

SUB-HEAD: 2. 7. 5. . Vol. 5 - Phase 1 Expanded RI/FS Report

2. 7. 5. . Vol. 5 - 1029732 DOC ID: 40944
DATE: 6/1/1995 PAGES: 1,366
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S): Unknown

DESCRIPTION: Phase 1 Data Evaluation Report and Phase 2 Sampling and Analysis Approach, Expanded Remedial Investigation and Feasibility Study, Appendix G: Summary Data and Statistical Analysis and Appendix H: Field Audit and Quality Assurance Report, Volume 5a.

SUB-HEAD: 2. 7. 5. . Vol. 6 - Phase 1 Expanded RI/FS Report

2. 7. 5. . Vol. 6 - 1029735 DOC ID: 40945
DATE: 6/1/1995 PAGES: 762
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S): Unknown

DESCRIPTION: Phase 1 Data Evaluation Report and Phase 2 Sampling and Analysis Approach, Expanded Remedial Investigation and Feasibility Study, Appendix G: Summary Data and Statistical Analysis and Appendix H: Field Audit and Quality Assurance Report, Volume 5b.

SUB-HEAD: 2. 7. 5. . Vol. 7 - Phase 1 Expanded RI/FS Report

2. 7. 5. . Vol. 7 - 1105414 DOC ID: 129001
DATE: 9/1/1995 PAGES: 260
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S): Asarco, Inc.

DESCRIPTION: Final Phase 1 Data Report and Phase 2 Sampling and Analysis Approach.

SUB-HEAD: 2. 7. 6. . Vol. 1 - Phase 2 Expanded RI/FS Report

2. 7. 6. . Vol. 1 - 1105556 DOC ID: 129488
DATE: 9/15/1994 PAGES: 41
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Appendix I, Asarco Sediments, Expanded Remedial Investigation/Feasibility Study Statement of Work.

2. 7. 6. . Vol. 1 - 1044628 DOC ID: 67457
DATE: 3/1/1996 PAGES: 1,044
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S): Unknown

DESCRIPTION: Phase 2 Data Evaluation Report, Appendices A through D, Volume 2.

SUB-HEAD: 2. 7. 6. . Vol. 2 - Phase 2 Expanded RI/FS Report

2. 7. 6. . Vol. 2 - 1044629 DOC ID: 67459
DATE: 3/1/1996 PAGES: 817
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Phase 2 Data Evaluation Report, Appendix E, Volume 3a.

SUB-HEAD: 2. 7. 6. . Vol. 3 - Phase 2 Expanded RI/FS Report

2. 7. 6. . Vol. 3 - 1044630 DOC ID: 67463
DATE: 3/1/1996 PAGES: 545
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Phase 2 Data Evaluation Report, Appendix E, Volume 3b.

2. 7. 6. . Vol. 3 - 1105417 DOC ID: 129003
DATE: 8/1/1996 PAGES: 274
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Phase 2 Data Evaluation Report, Final.

SUB-HEAD: 2. 7. 7. . Vol. 1 - Thin-Layer Cap Pilot Project

SUB-HEAD: 2. 7. 7. 1. Vol. 1 - Correspondence

2. 7. 7. 1. Vol. 1 - 1105176 DOC ID: 127678
DATE: 8/28/1996 PAGES: 3
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S):
Rachel Friedman-Thomas/Washington State Dept. of Ecology
Jeff Krausmann/U. S. Fish & Wildlife Service
Russ McMillan/Washington State Dept. of Ecology
Carl Samuelson/Washington State Dept. of Fisheries
Joanne M. Snarski-Swift/Washington State Dept. of Natural Resources

DESCRIPTION: Letter invites addressees to a Sediments Pilot Cap meeting regarding off-shore sediments.
(Less attachment)

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 7. 1. Vol. 1 - 1105451 DOC ID: 129068
DATE: 10/2/1997 PAGES: 1

AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits the Final Thin-Layer Cap Pilot Project Sampling and Analysis Plan incorporating EPA comments. (Less attachment)

2. 7. 7. 1. Vol. 1 - 1105452 DOC ID: 129069
DATE: 11/4/1997 PAGES: 4

AUTHOR(S):
Rob Pedersen/EPA

ADDRESSEE(S):
Janis Hastings/EPA

Lee Marshall/EPA

DESCRIPTION: Memo discusses dive reports during a survey of the pilot cap.

2. 7. 7. 1. Vol. 1 - 1105453 DOC ID: 129070
DATE: 11/11/1997 PAGES: 1

AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter clarifies the status of the draft Technical Approach Document.

2. 7. 7. 1. Vol. 1 - 1105454 DOC ID: 129071
DATE: 11/25/1997 PAGES: 2

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter reviews the initial cap thickness information.

2. 7. 7. 1. Vol. 1 - 1105455 DOC ID: 129072
DATE: 11/26/1997 PAGES: 1

AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter discusses calculation of average cap thickness as referenced in the November 7, 1997 dive report.

2. 7. 7. 1. Vol. 1 - 1105456 DOC ID: 129073
DATE: 2/9/1998 PAGES: 20

AUTHOR(S):
Peter Stoltz/Parametrix, Inc.

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Memo describes cap depth measurement issues for the Pilot Project.

2. 7. 7. 1. Vol. 1 - 1105457 DOC ID: 129075
DATE: 2/18/1998 PAGES: 3

AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Handwritten notes memorializes a conference call regarding Pilot Cap measuring.

2. 7. 7. 1. Vol. 1 - 1105458 DOC ID: 129077
DATE: 4/13/1998 PAGES: 5
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter reviews raw data for the Pilot Cap project.

2. 7. 7. 1. Vol. 1 - 1105459 DOC ID: 129080
DATE: 6/29/1998 PAGES: 14
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

Gayle Garman/NOAA

Dena Hughes/Roy F. Weston, Inc.

Lee Marshall/EPA

Dave Nation/Hydrometrics, Inc.

DESCRIPTION: Memo transmits data summaries of sediment core arsenic and copper concentrations.

2. 7. 7. 1. Vol. 1 - 1105460 DOC ID: 129082
DATE: 7/2/1998 PAGES: 3
AUTHOR(S): Peter Stoltz/Parametrix, Inc. ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

Gayle Garman/NOAA

Dena Hughes/Roy F. Weston, Inc.

Lee Marshall/EPA

DESCRIPTION: Memo transmits figures showing locations where cores were collected for the immediate and six-month sampling events.

2. 7. 7. 1. Vol. 1 - 1105461 DOC ID: 129086
DATE: 7/2/1998 PAGES: 21
AUTHOR(S): Peter Stoltz/Parametrix, Inc. ADDRESSEE(S):
Gayle Garman/NOAA

Dena Hughes/Roy F. Weston, Inc.

DESCRIPTION: Email transmits electronic data files of chemistry data for the pre-construction, immediate, and six-month post-construction sampling events.

2. 7. 7. 1. Vol. 1 - 1105462 DOC ID: 129089
DATE: 7/14/1998 PAGES: 20
AUTHOR(S): ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Jim Good/Parametrix, Inc.

Lee Marshall/EPA

Peter Stoltz/Parametrix, Inc.

Don Weitkamp/Parametrix, Inc.

DESCRIPTION: Fax of Technical Memorandum summarizing the Pilot Cap chemistry results. (Includes data and graphs)

2. 7. 7. 1. Vol. 1 - 1105463 DOC ID: 129090
DATE: 7/14/1998 PAGES: 8

AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

Peter Stoltz/Parametrix, Inc.

Don Weitkamp/Parametrix, Inc.

DESCRIPTION: Technical Memorandum summarizing the Pilot Cap chemistry results. (Less data and graphs)

2. 7. 7. 1. Vol. 1 - 1105464 DOC ID: 129092
DATE: 7/21/1998 PAGES: 3

AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Review Comments for the Thin-Layer Cap Pilot Project Year 1 Monitoring Report.
Note: Document date is estimated.

2. 7. 7. 1. Vol. 1 - 1105465 DOC ID: 129095
DATE: 7/21/1998 PAGES: 4

AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Technical review of the immediate and six-month post-construction Pilot Cap sediment data.

Note: Document date is estimated.

2. 7. 7. 1. Vol. 1 - 1105466 DOC ID: 129096
DATE: 8/24/1998 PAGES: 9

AUTHOR(S):
Ann Uhrich/U. S. Army Corps of Engineers

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Handwritten routing slip transmits copies of information the Corps of Engineers' Navigation Section sent to Parametrix to help them with the Cap issue.

2. 7. 7. 1. Vol. 1 - 1105467 DOC ID: 129098
DATE: 9/1/1998 PAGES: 62

AUTHOR(S):
Mark A. Fugiel/AmTest, Inc.

ADDRESSEE(S):
David Gillingham/Parametrix, Inc.

DESCRIPTION: Letter transmits analytical results for 39 sediment samples.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 7. 1. Vol. 1 - 1105468 DOC ID: 129104
DATE: 9/9/1998 PAGES: 26

AUTHOR(S):
Howard Jones/Marine Taxonomic Services

ADDRESSEE(S):
Peter Stoltz/Parametrix, Inc.

DESCRIPTION: Letter transmits Cap Pilot Project data for the six-month post cap sampling event.

2. 7. 7. 1. Vol. 1 - 1105470 DOC ID: 129106
DATE: 10/9/1998 PAGES: 2

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Memo discusses Pilot Cap Core Chemistry.

2. 7. 7. 1. Vol. 1 - 1105471 DOC ID: 129107
DATE: 10/19/1998 PAGES: 5

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter discusses Pilot Cap Project Modifications.

2. 7. 7. 1. Vol. 1 - 1105472 DOC ID: 129108
DATE: 10/27/1998 PAGES: 4

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter discusses revised Pilot Cap Project Modifications.

2. 7. 7. 1. Vol. 1 - 1105473 DOC ID: 129109
DATE: 11/16/1998 PAGES: 8

AUTHOR(S):
Keith A. Pine/Roy F. Weston, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits the Field Audit of Pilot Cap Project Verification Sampling.

2. 7. 7. 1. Vol. 1 - 1105474 DOC ID: 129110
DATE: 11/27/1998 PAGES: 2

AUTHOR(S):
Don Weitkamp/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter discusses Pilot Cap Monitoring Modifications.

2. 7. 7. 1. Vol. 1 - 1105475 DOC ID: 129111
DATE: 12/8/1998 PAGES: 3

AUTHOR(S):
Keith A. Pine/Roy F. Weston, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter reviews raw data for the Pilot Cap Project.

2. 7. 7. 1. Vol. 1 - 1072518 DOC ID: 108287
DATE: 12/18/1998 PAGES: 3

AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Lee Marshall/EPA

Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter transmits a review of the Pilot Cap Project Raw Data Report dated November 12, 1998.

2. 7. 7. 1. Vol. 1 - 1105476 DOC ID: 129112
DATE: 12/23/1998 PAGES: 1
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits tables and summarizes preliminary Pilot Project sediment core data from 14-month sampling. (Less attachment).

SUB-HEAD: 2. 7. 7. 1. Vol. 2 - Correspondence

2. 7. 7. 1. Vol. 2 - 1105477 DOC ID: 129113
DATE: 1/4/1999 PAGES: 3
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits responses to comments regarding the Pilot Cap Project Raw Data Report dated November 12, 1998.

2. 7. 7. 1. Vol. 2 - 1105478 DOC ID: 129114
DATE: 1/11/1999 PAGES: 2
AUTHOR(S): Keith A. Pine/Roy F. Weston, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter reviews the 14-month raw data for the Pilot Cap Project.

2. 7. 7. 1. Vol. 2 - 1105480 DOC ID: 129115
DATE: 1/27/1999 PAGES: 1
AUTHOR(S): Keith A. Pine/Roy F. Weston, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter reviews Asarco's responses to EPA's comments on the Pilot Cap Project 12-month sampling raw data report.

2. 7. 7. 1. Vol. 2 - 1105481 DOC ID: 129117
DATE: 3/25/1999 PAGES: 3
AUTHOR(S): Roy F. Weston, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Review Comments for the Thin-Layer Cap Pilot Project Year 1 Monitoring Report.

2. 7. 7. 1. Vol. 2 - 1105482 DOC ID: 129118
DATE: 5/4/1999 PAGES: 5
AUTHOR(S): Keith A. Pine/Roy F. Weston, Inc. ADDRESSEE(S):
Lee Marshall/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Memo transmits grids showing Pilot Cap thickness changes.

2. 7. 7. 1. Vol. 2 - 1105483 DOC ID: 129119
DATE: 5/10/1999 PAGES: 2
AUTHOR(S): Thomas L. Aldrich/Asarco, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter discusses Pilot Cap Modeling.

2. 7. 7. 1. Vol. 2 - 1105484 DOC ID: 129120
DATE: 5/11/1999 PAGES: 4
AUTHOR(S): Keith A. Pine/Roy F. Weston, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits revised review comments regarding the Pilot Cap Project Year 1 Monitoring Report.

2. 7. 7. 1. Vol. 2 - 1105486 DOC ID: 129124
DATE: 8/9/1999 PAGES: 2
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter discusses plans to begin the 24-month sampling event for the Pilot Cap Project.
(Less enclosure)

SUB-HEAD: 2. 7. 7. 2. Vol. 1 - Sampling and Analysis Plan

2. 7. 7. 2. Vol. 1 - 1047543 DOC ID: 70153
DATE: 2/1/1997 PAGES: 112
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Final Thin-Layer Cap Pilot Project Sampling and Analysis Plan.

2. 7. 7. 2. Vol. 1 - 1105421 DOC ID: 129015
DATE: 5/1/1997 PAGES: 113
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Final Thin-Layer Cap Pilot Project Sampling and Analysis Plan.

2. 7. 7. 2. Vol. 1 - 1105469 DOC ID: 129105
DATE: 9/25/1998 PAGES: 17
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: In Situ Evaluation Alternative Sediment Capping Techniques Sampling and Analysis Plan.

SUB-HEAD: 2. 7. 7. 3. Vol. 1 - Raw Data

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 7. 3. Vol. 1 - 1105496 DOC ID: 129257
DATE: 11/18/1997 PAGES: 159
AUTHOR(S): ADDRESSSEE(S):
Jim Good/Parametrix, Inc. Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values to date for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 1 - 1105497 DOC ID: 129258
DATE: 12/22/1997 PAGES: 471
AUTHOR(S): ADDRESSSEE(S):
Jim Good/Parametrix, Inc. Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values since November 18, 1997 for the Thin-Layer Cap Pilot Project.

SUB-HEAD: 2. 7. 7. 3. Vol. 2 - Raw Data

2. 7. 7. 3. Vol. 2 - 1105498 DOC ID: 129259
DATE: 1/15/1998 PAGES: 97
AUTHOR(S): ADDRESSSEE(S):
Jim Good/Parametrix, Inc. Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since December 22, 1997 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 2 - 1105499 DOC ID: 129260
DATE: 3/30/1998 PAGES: 147
AUTHOR(S): ADDRESSSEE(S):
Jim Good/Parametrix, Inc. Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since January 30, 1998 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 2 - 1105500 DOC ID: 129261
DATE: 4/15/1998 PAGES: 36
AUTHOR(S): ADDRESSSEE(S):
Jim Good/Parametrix, Inc. Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since March 30, 1998 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 2 - 1105501 DOC ID: 129262
DATE: 5/18/1998 PAGES: 231
AUTHOR(S): ADDRESSSEE(S):
Jim Good/Parametrix, Inc. Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since April 15, 1998 for the Thin-Layer Cap Pilot Project.

SUB-HEAD: 2. 7. 7. 3. Vol. 3 - Raw Data

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 7. 3. Vol. 3 - 1105423 DOC ID: 129079
DATE: 6/23/1998 PAGES: 312
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since May 18, 1998 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 3 - 1105502 DOC ID: 129263
DATE: 8/24/1998 PAGES: 52
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since June 23, 1998 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 3 - 1105503 DOC ID: 129264
DATE: 11/3/1998 PAGES: 110
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since August 24, 1998 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 3 - 1105504 DOC ID: 129265
DATE: 11/12/1998 PAGES: 94
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since November 3, 1998 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 3 - 1105505 DOC ID: 129266
DATE: 12/8/1998 PAGES: 283
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since November 12, 1998 for the Thin-Layer Cap Pilot Project.

SUB-HEAD: 2. 7. 7. 3. Vol. 4 - Raw Data

2. 7. 7. 3. Vol. 4 - 1105506 DOC ID: 129268
DATE: 3/12/1999 PAGES: 24
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since December 8, 1998 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 4 - 1105485 DOC ID: 129122
DATE: 5/18/1999 PAGES: 51
AUTHOR(S): ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Jim Good/Parametrix, Inc.

Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since March 12, 1999 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 4 - 1105507 DOC ID: 129269
DATE: 9/16/1999 PAGES: 52

AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since May 18, 1999 for the Thin-Layer Cap Pilot Project.

2. 7. 7. 3. Vol. 4 - 1105508 DOC ID: 129270
DATE: 11/9/1999 PAGES: 364

AUTHOR(S):
Jim Good/Parametrix, Inc.

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and reported values received since September 16, 1999 for the Thin-Layer Cap Pilot Project.

SUB-HEAD: 2. 7. 7. 4. Vol. 1 - Monitoring Reports

2. 7. 7. 4. Vol. 1 - 1072994 DOC ID: 114838
DATE: 3/1/1999 PAGES: 88

AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Volume 1, Thin-Layer Cap Pilot Project; Year 1 Monitoring Report.

SUB-HEAD: 2. 7. 7. 4. Vol. 2 - Monitoring Reports

2. 7. 7. 4. Vol. 2 - 1072756 DOC ID: 113056
DATE: 3/1/1999 PAGES: 559

AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION: Volume 2, Thin-Layer Cap Pilot Project; Year 1 Monitoring Report; Appendices A, B, C-1.

SUB-HEAD: 2. 7. 7. 4. Vol. 3 - Monitoring Reports

2. 7. 7. 4. Vol. 3 - 1072757 DOC ID: 113057
DATE: 3/1/1999 PAGES: 1,128

AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION: Volume 3, Thin-Layer Cap Pilot Project; Year 1 Monitoring Report; Appendix C-2.

SUB-HEAD: 2. 7. 7. 4. Vol. 4 - Monitoring Reports

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 7. 7. 4. Vol. 4 - 1072758 DOC ID: 113058
DATE: 3/1/1999 PAGES: 885
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Volume 4, Thin-Layer Cap Pilot Project; Year 1 Monitoring Report; Appendices C-3, D, E.

SUB-HEAD: 2. 7. 8. . Vol. 1 - Risk Assessment

2. 7. 8. . Vol. 1 - 1105418 DOC ID: 129006
DATE: 10/1/1996 PAGES: 94
AUTHOR(S): Roy F. Weston, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Ecological Risk Assessment and Seafood Consumption Screening Risk Assessment.

SUB-HEAD: 2. 7. 9. . Vol. 1 - Refinement of Options Report

2. 7. 9. . Vol. 1 - 1062981 DOC ID: 96822
DATE: 12/1/1996 PAGES: 161
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Final Phase 2 Refinement of Options Report, Expanded Remedial Investigation and Feasibility Study.

2. 7. 9. . Vol. 1 - 1105450 DOC ID: 129066
DATE: 8/13/1997 PAGES: 8
AUTHOR(S): Roy F. Weston, Inc. ADDRESSEE(S):
EPA

DESCRIPTION: Report regarding Natural Recovery and Sediment/Groundwater Issues in the Refinement of Options Report.

2. 7. 9. . Vol. 1 - 1105533 DOC ID: 129342
DATE: 8/1/1999 PAGES: 132
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Draft Refinement of the Proposed Remedy.
Note: For the Administrative Record, this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

2. 7. 9. . Vol. 1 - 1105534 DOC ID: 129343
DATE: 9/1/1999 PAGES: 352
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Appendices B-1 Through B-7 to the Draft Refinement of the Proposed Remedy.
Note: For the Administrative Record, this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

SUB-HEAD: 2. 8. . . Vol. 1 - Other Technical Reports

2. 8. . . Vol. 1 - 1002159 DOC ID: 28731
DATE: 5/1/1991 PAGES: 110
AUTHOR(S): Ronald L. Shimek/Parametrix, Inc. ADDRESSEE(S): Asarco, Inc.

DESCRIPTION: Marine Sediment Survey, Supplement No. 2.

2. 8. . . Vol. 1 - 1013623 DOC ID: 28740
DATE: 3/24/1994 PAGES: 82
AUTHOR(S): Don Weitkamp/Parametrix, Inc. ADDRESSEE(S): Nancy A. Musgrove/Roy F. Weston, Inc.

DESCRIPTION: Summary and model report describes water currents in Commencement Bay adjacent to the Asarco site.

2. 8. . . Vol. 1 - 1013619 DOC ID: 28718
DATE: 4/20/1994 PAGES: 13
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Species List: list of species (taxa) found in samples from the Asarco offshore site or the reference areas.

SUB-HEAD: 2. 8. 1. . Vol. 1 - Correspondence

2. 8. 1. . Vol. 1 - 1047683 DOC ID: 28614
DATE: 3/9/1990 PAGES: 3
AUTHOR(S): Lucinda Jacobs/PTI Environmental Services ADDRESSEE(S): Michael Stoner/EPA

DESCRIPTION: Addresses predicted impacts to the marine receiving environment associated with surface water runoff, and impacts associated with groundwater migration.

2. 8. 1. . Vol. 1 - 1029759 DOC ID: 40948
DATE: 8/17/1995 PAGES: 1
AUTHOR(S): Leslie C. Nellerhoe/Heller Ehrman White & McAullife ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Letter transmits the draft report: Site-Specific Residue Levels in Edible Seafood at the Asarco Tacoma Smelter Site. (Less enclosure)

2. 8. 1. . Vol. 1 - 1105437 DOC ID: 129040
DATE: 11/20/1998 PAGES: 1
AUTHOR(S): David Frank/EPA ADDRESSEE(S): Dave Nation/Hydrometrics, Inc.

DESCRIPTION: Letter transmits the mineralogical study for Borehole MW-206. (Less enclosure)

SUB-HEAD: 2. 8. 3. . Vol. 1 - Sediment Studies

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

2. 8. 3. . Vol. 1 - 1013928 DOC ID: 28622
DATE: 4/1/1986 PAGES: 6
AUTHOR(S): Eric A. Crecelius/Battelle
ADDRESSEE(S): Asarco, Inc.

DESCRIPTION: Release of Trace Metals to Water from Slag and Bioaccumulation in Marine Animals.

2. 8. 3. . Vol. 1 - 1029760 DOC ID: 40947
DATE: 1/1/1993 PAGES: 126
AUTHOR(S): Parametrix, Inc.
ADDRESSEE(S): Asarco, Inc.

DESCRIPTION: Draft Data Report: Site-Specific Residue Levels in Edible Seafood at the ASARCO Tacoma Smelter Site.

SUB-HEAD: 2. 8. 4. . Vol. 1 - Dive Reports

2. 8. 4. . Vol. 1 - 1002155 DOC ID: 28721
DATE: 1/17/1990 PAGES: 18
AUTHOR(S): EPA
ADDRESSEE(S): Unknown

DESCRIPTION: Report of Diving Activity at the Asarco Tacoma Smelter.

2. 8. 4. . Vol. 1 - 1013929 DOC ID: 28623
DATE: 6/30/1994 PAGES: 4
AUTHOR(S): Rob Pedersen/EPA
ADDRESSEE(S): Duane Karna/EPA
Ron Kreizenbeck/ESD, Inc.
Piper L. Peterson/EPA

DESCRIPTION: Memo reports dives done June 1-2, 1994, location: Commencement Bay, Ruston and Brown's Point, contaminated sediment assessment.

SUB-HEAD: 2. 8. 5. . Vol. 1 - Cleanup Goals

2. 8. 5. . Vol. 1 - 1044153 DOC ID: 43295
DATE: 12/1/1995 PAGES: 30
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Preliminary Approach For Establishing Cleanup Goals.

2. 8. 5. . Vol. 1 - 1082946 DOC ID: 68682
DATE: 10/8/1996 PAGES: 11
AUTHOR(S): Karen M. Stash/Roy F. Weston, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Revised Technical Memorandum: Justification For Exclusion of Minimally Impacted Stations From Potential Remedial Action Areas.

SUB-HEAD: 2. 8. 6. . Vol. 1 - Marine Copper Study

2. 8. 6. . Vol. 1 - 1105438 DOC ID: 129043
DATE: 5/26/1999 PAGES: 20
AUTHOR(S): Jim Good/Parametrix, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits raw data logs and analytical data reports for the copper in the nearshore marine water project.

2. 8. 6. . Vol. 1 - 1105439 DOC ID: 129044
DATE: 8/3/1999 PAGES: 4
AUTHOR(S): Lee Marshall/EPA ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter transmits comments regarding sampling for the copper in the nearshore marine water project.

2. 8. 6. . Vol. 1 - 1105440 DOC ID: 129045
DATE: 8/20/1999 PAGES: 19
AUTHOR(S): Thomas L. Aldrich/Asarco, Inc. ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter transmits response to EPA comments regarding sampling for the copper in the nearshore marine water project.

2. 8. 6. . Vol. 1 - 1105441 DOC ID: 129046
DATE: 8/30/1999 PAGES: 1
AUTHOR(S): Bruce A. Cochran/Washington State Dept. of Ecology ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Email discusses sampling for the copper in the nearshore marine water project.

2. 8. 6. . Vol. 1 - 1105442 DOC ID: 129047
DATE: 9/1/1999 PAGES: 5
AUTHOR(S): Parametrix, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Marine Water Final Sampling and Analysis Plan for Copper, September 1999 Monitoring Event.

SUB-HEAD: 2. 8. 7. . Vol. 1 - Borehole Mineralogical Study

2. 8. 7. . Vol. 1 - 1105434 DOC ID: 129031
DATE: 6/1/1998 PAGES: 32
AUTHOR(S): Asarco Sediments/Ground Water Task Force ADDRESSEE(S):
Unknown

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Bart Cannon/Cannon Microprobe

Unknown

Lee Marshall/EPA

John Mefford/Hydrometrics, Inc.

Bernard Zavala/EPA

DESCRIPTION: Draft Mineralogical Study of Borehole MW-206.

Note: For the Administrative Record this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

2. 8. 7. . Vol. 1 - 1105380 DOC ID: 129037
DATE: 10/1/1998 PAGES: 255

AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION: Mineralogical Study of Borehole MW-206.

SUB-HEAD: 2. 9. . . Vol. 1 - Proposed Plan

2. 9. . . Vol. 1 - 1105607 DOC ID: 129812
DATE: 1/21/2000 PAGES: 39

AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION: Proposed Plan for the Sediments/Groundwater Operable Unit.

HEADING: 3. 0. . . RECORD OF DECISION

SUB-HEAD: 3. 2. . . Vol. 1 - Record of Decision

3. 2. . . Vol. 1 -	1115592	DOC ID: 137751	
DATE: 7/14/2000		PAGES: 274	
AUTHOR(S): Charles E. Findley/EPA		ADDRESSEE(S): Unknown	

DESCRIPTION: Record of Decision regarding the Sediments and Groundwater, Operable Unit 6.

HEADING: 8. 0. . . COORDINATION WITH OTHER AGENCIES

SUB-HEAD: 8. 1. . . Vol. 1 - Correspondence

8. 1. . . Vol. 1 - 1105935 DOC ID: 28757
DATE: 12/12/1991 PAGES: 5
AUTHOR(S): Bruce A. Cochran/Washington State Dept. of Ecology
ADDRESSEE(S): Lori G. Cohen/EPA

DESCRIPTION: Letter discusses the use of Sediment Management Standards in the Supplemental Feasibility Study for Sediments.

8. 1. . . Vol. 1 - 1002021 DOC ID: 28746
DATE: 7/12/1993 PAGES: 2
AUTHOR(S): Bruce A. Cochran/Washington State Dept. of Ecology
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Recommendation of a compromise solution regarding the Sediment Management Standards, WAC 173-204, as ARARs for the Asarco Tacoma Smelter Site.

8. 1. . . Vol. 1 - 1013074 DOC ID: 23507
DATE: 11/22/1993 PAGES: 1
AUTHOR(S): Piper L. Peterson/EPA
ADDRESSEE(S): Bruce A. Cochran/Washington State Dept. of Ecology

DESCRIPTION: Discussion of intentions for upcoming meeting regarding Asarco Off-shore Sediments as the identification of a conceptual model for the project.

8. 1. . . Vol. 1 - 1013071 DOC ID: 28749
DATE: 12/22/1993 PAGES: 6
AUTHOR(S): Bruce A. Cochran/Washington State Dept. of Ecology
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Ecology expectations regarding the sediment management standards for the Asarco site.

8. 1. . . Vol. 1 - 1013583 DOC ID: 28751
DATE: 3/24/1994 PAGES: 3
AUTHOR(S): Brett Betts/Washington State Dept. of Ecology
ADDRESSEE(S): Unknown

DESCRIPTION: Clarification Paper regarding use of alternate technologies under the sediment management standards, Chapter WAC 173-204 with attached handwritten note from "Teresa to Barry, Bob".

8. 1. . . Vol. 1 - 1013919 DOC ID: 28620
DATE: 9/29/1994 PAGES: 2
AUTHOR(S): Piper L. Peterson/EPA
ADDRESSEE(S): Thomas L. Aldrich/Asarco, Inc.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter suggests topics to be addressed by all interested and involved parties of the Sediment Design Group.

8. 1. . . . Vol. 1 - 1013920 DOC ID: 28621
DATE: 9/30/1994 PAGES: 4
AUTHOR(S): Piper L. Peterson/EPA
ADDRESSEE(S): Asarco Sediments Design Group

DESCRIPTION: Letter discusses the next steps for the Asarco Sediments Project.
Note: Document sent to 17 addressees.

8. 1. . . . Vol. 1 - 1044702 DOC ID: 67438
DATE: 1/17/1996 PAGES: 7
AUTHOR(S): James Goche/Commencement Bay Cleanup Action Committee
ADDRESSEE(S): Commencement Bay Cleanup Action Committee

DESCRIPTION: Announces CBCAC's first meeting of the New Year, and proposed agenda.

8. 1. . . . Vol. 1 - 1044703 DOC ID: 67439
DATE: 2/13/1996 PAGES: 13
AUTHOR(S): James Goche/Commencement Bay Cleanup Action Committee
ADDRESSEE(S): Commencement Bay Cleanup Action Committee

DESCRIPTION: Discusses hiring a facilitator to assist with sediment disposal issues, agenda for next meeting, and draft meeting minutes.

8. 1. . . . Vol. 1 - 1048261 DOC ID: 67443
DATE: 2/14/1996 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA
ADDRESSEE(S): Christopher A. Beaverson/NOAA

DESCRIPTION: Requests comments on the draft request for proposal for the Sediments Disposal Site Workgroup.

8. 1. . . . Vol. 1 - 1044704 DOC ID: 67440
DATE: 2/16/1996 PAGES: 1
AUTHOR(S): Margaret V. Justus/EPA
ADDRESSEE(S): Mary L. Henley/City of Tacoma

DESCRIPTION: Discusses initiation of a Commencement Bay Sediments Disposal Workgroup and requests comments on the draft request for proposal.

8. 1. . . . Vol. 1 - 1044705 DOC ID: 67442
DATE: 2/20/1996 PAGES: 1
AUTHOR(S): Doug Pierce/Citizens for a Healthy Bay
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Comments on the proposal for a neutral facilitator for the Sediments Disposal Site Workgroup.

8. 1. . . . Vol. 1 - 1029892 DOC ID: 41375
DATE: 3/6/1996 PAGES: 2
AUTHOR(S):
ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

James Goche/Commencement Bay Cleanup Action
Committee

Piper L. Peterson Lee/EPA

DESCRIPTION: Comments regarding the request for proposal for mediation of sediment disposal sites.

8. 1. . . . Vol. 1 - 1029893 DOC ID: 41377
DATE: 3/18/1996 PAGES: 1

AUTHOR(S):
Isabel Ragland/League of Women Voters

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Comments regarding the draft request for proposal related to the disposal site selection.

8. 1. . . . Vol. 1 - 1029894 DOC ID: 41378
DATE: 4/4/1996 PAGES: 3

AUTHOR(S):
Ray E. Corpuz/City of Tacoma

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

Dave McEntee/Port of Tacoma

Doug Pierce/Commencement Bay Cleanup Action
Committee

DESCRIPTION: Discusses request for proposal for mediation of sediment disposal sites.

8. 1. . . . Vol. 1 - 1044154 DOC ID: 43296
DATE: 5/8/1996 PAGES: 11

AUTHOR(S):
Randall F. Smith/EPA

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Discusses the Commencement Bay Nearshore/Tideflats Sediments Disposal
Communication Strategy.

8. 1. . . . Vol. 1 - 1105177 DOC ID: 127679
DATE: 6/17/1996 PAGES: 8

AUTHOR(S):
Gary D. Brackett/Tacoma-Pierce County Chamber of
Commerce

ADDRESSEE(S):
Jeanne O'Dell/EPA

DESCRIPTION: Letter transmits comments regarding the program the EPA is taking to assess sediment
disposal options.

8. 1. . . . Vol. 1 - 1105174 DOC ID: 127676
DATE: 7/25/1996 PAGES: 15

AUTHOR(S):
Michelle Pirzadeh/EPA

ADDRESSEE(S):
Ann Essko/Washington State Dept. of
Natural Resources
Paul Fuglevand/Hylebos Cleanup Committee

Gayle Garman/NOAA

Richard Gilmur/Port of Tacoma

James Goche/Commencement Bay Cleanup
Action Committee

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter follows up on previous discussions and invites addressees to a technical study session where disposal sites will be evaluated in more detail.

8. 1. . . . Vol. 1 - 1048260 DOC ID: 67652
DATE: 12/16/1996 PAGES: 18
AUTHOR(S): Dave Nation/Hydrometrics, Inc. ADDRESSEE(S): Asarco Sediments Design Group

DESCRIPTION: Topical Agenda for the next Sediments Design Group meeting.
Note: Document sent to 15 addressees.

8. 1. . . . Vol. 1 - 1048152 DOC ID: 68683
DATE: 2/6/1997 PAGES: 13
AUTHOR(S): Jeanne O'Dell/EPA ADDRESSEE(S): EPA

DESCRIPTION: Draft summary of presentations, issues, questions, and comments regarding sediment cleanup and disposal activities raised by concerned parties at a public meeting of the Sediment Disposal Forum.

8. 1. . . . Vol. 1 - 1062984 DOC ID: 96843
DATE: 7/7/1997 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): Steve Knaner/Metropolitan Park District of Tacoma

DESCRIPTION: Invites addressee to a meeting to discuss cleanup of the breakwater and the Tacoma Yacht Club's marinas.

8. 1. . . . Vol. 1 - 1062985 DOC ID: 96844
DATE: 7/7/1997 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): Michael Marchetti/Breakwater Marina, Inc.

DESCRIPTION: Invites addressee to a meeting to discuss cleanup of the breakwater and the Tacoma Yacht Club's marinas.

8. 1. . . . Vol. 1 - 1062986 DOC ID: 96846
DATE: 7/7/1997 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): John F. Shaw/Tacoma Yacht Club, Inc.

DESCRIPTION: Invites addressee to a meeting to discuss cleanup of the breakwater and the Tacoma Yacht Club's marinas.

8. 1. . . . Vol. 1 - 1062987 DOC ID: 96847
DATE: 7/16/1997 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S): File

DESCRIPTION: List of attendees at the Marina meeting.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

8. 1. . . . Vol. 1 - 1047976 DOC ID: 104986
DATE: 12/5/1997 PAGES: 1

AUTHOR(S):
Kevin L. Rochlin/EPA

ADDRESSEE(S):
Bruce A. Cochran/Washington State Dept. of Ecology

DESCRIPTION: Letter clarifies the EPA's position on the current drainage design as it relates to the Edwards Street and City outfalls.

8. 1. . . . Vol. 1 - 1105445 DOC ID: 129052
DATE: 1/28/1998 PAGES: 2

AUTHOR(S):
Corinne L. Murphy/U. S. Army Corps of Engineers

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter informs addressee of a change in Project Manager.

8. 1. . . . Vol. 1 - 1072508 DOC ID: 108267
DATE: 11/16/1998 PAGES: 2

AUTHOR(S):
Lee Marshall/EPA

ADDRESSEE(S):
Bruce A. Cochran/Washington State Dept. of Ecology

DESCRIPTION: Letter discusses estimates of groundwater discharge and contaminant loading.

8. 1. . . . Vol. 1 - 1105446 DOC ID: 129055
DATE: 2/17/1999 PAGES: 2

AUTHOR(S):
Mark Ohlstrom/U. S. Army Corps of Engineers

ADDRESSEE(S):
Lee Marshall/EPA

DESCRIPTION: Letter informs addressee of a change in Project Manager.

8. 1. . . . Vol. 1 - 1105444 DOC ID: 129049
DATE: 2/26/1999 PAGES: 1

AUTHOR(S):
Thomas L. Aldrich/Asarco, Inc.

ADDRESSEE(S):
Kelly Craig/Washington State Dept. of Natural Resources

DESCRIPTION: Letter updates addressee on the progress made by the Groundwater/Sediments Task Force. (Less attachment)

SUB-HEAD: 8. 3. . . . Vol. 1 - State Certification of ARARs

8. 3. . . . Vol. 1 - 1002161 DOC ID: 12825
DATE: 7/9/1991 PAGES: 2

AUTHOR(S):
Michael Stoner/EPA

ADDRESSEE(S):
Marian L. Abbett/Washington State Dept. of Ecology

DESCRIPTION: Letter requests the State identify requirements that may be applicable or relevant and appropriate, or that should otherwise be considered in evaluating potential cleanup measures for Op Unit 06. (Less enclosures)

8. 3. . . . Vol. 1 - 1002163 DOC ID: 28753
DATE: 7/22/1991 PAGES: 3

AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Marian L. Abbett/Washington State Dept. of Ecology

Michael Stoner/EPA

DESCRIPTION: Letter comments regarding compliance with State ARARs in the draft Supplemental Feasibility Study for Asarco Sediments.

8. 3. . . . Vol. 1 - 1002162 DOC ID: 28755
DATE: 9/4/1991 PAGES: 52

AUTHOR(S):
Marian L. Abbett/Washington State Dept. of Ecology

ADDRESSEE(S):
Michael Stoner/EPA

DESCRIPTION: Letter identifies chemical specific, location specific, and action specific ARARs for the Asarco Off-shore Sediments, with attached ARARs.

8. 3. . . . Vol. 1 - 012296 DOC ID: 11066
DATE: 9/4/1992 PAGES: 15

AUTHOR(S):
Bruce A. Cochran/Washington State Dept. of Ecology

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Requests EPA identify to Asarco and other interested parties the laws and regulations listed in the enclosed letter as Applicable or Relevant and Appropriate Requirements.

8. 3. . . . Vol. 1 - 1013075 DOC ID: 23514
DATE: 9/13/1993 PAGES: 2

AUTHOR(S):
Carol Kraege/Washington State Dept. of Ecology

ADDRESSEE(S):
Tod A. Gold/EPA

DESCRIPTION: Discusses the statutory restriction of EHW disposal within Washington, and Sediment Management Standards.

SUB-HEAD: 8. 5. . . . Vol. 1 - Sediments Disposal Forum

8. 5. . . . Vol. 1 - 1105178 DOC ID: 127680
DATE: 7/3/1996 PAGES: 2

AUTHOR(S):
Doug Pierce/Citizens for a Healthy Bay

ADDRESSEE(S):
Jeanne O'Dell/EPA

DESCRIPTION: Letter suggests three topics which deserve further discussion regarding contaminated sediment disposal.

8. 5. . . . Vol. 1 - 1105179 DOC ID: 127681
DATE: 7/23/1996 PAGES: 2

AUTHOR(S):
Allison Hiltner/EPA

ADDRESSEE(S):
Robert C. Clark/NOAA

Paul F. Fuglevand/Dalton Olmsted & Fuglevand, Inc.

Mary L. Henley/City of Tacoma

Carl Stivers/Parametrix, Inc.

DESCRIPTION: Memo discusses a revised agenda for the August 7, 1996 Disposal Sites Forum meeting.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

8. 5. . . . Vol. 1 - 1105180 DOC ID: 127682
DATE: 8/21/1996 PAGES: 1
AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Proposed agenda for the August 21, 1996 Sediments Disposal Forum: Small Group Continuation Meeting.

8. 5. . . . Vol. 1 - 1044707 DOC ID: 67444
DATE: 10/28/1996 PAGES: 38
AUTHOR(S):
Karen M. Stash/Roy F. Weston, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Meeting summary for the Sediments Disposal Site Forum - Technical Study Group Sessions, August 7 and 21, 1996.

8. 5. . . . Vol. 1 - 1044790 DOC ID: 67653
DATE: 10/28/1996 PAGES: 4
AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION: "Common Themes" expressed during the Disposal Sites Forum, September 17, 1996.

8. 5. . . . Vol. 1 - 1044708 DOC ID: 67445
DATE: 11/1/1996 PAGES: 1
AUTHOR(S):
Michelle Pirzadeh/EPA

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Letter transmits summaries of three small group meetings of the Sediments Disposal Forum. (Less enclosures)

SUB-HEAD: 8. 10. . . . Vol. 1 - Sediments/Groundwater Task Force

8. 10. . . . Vol. 1 - 1047019 DOC ID: 96889
DATE: 1/1/1993 PAGES: 4
AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Excerpts from the Draft Data Report: Site-Specific Residue Levels in Edible Seafood at the Asarco Tacoma Smelter Site.

8. 10. . . . Vol. 1 - 1047016 DOC ID: 96886
DATE: 1/1/1995 PAGES: 2
AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Summary of available information regarding mercury and silver in groundwater.
Note: Document date is estimated.

8. 10. . . . Vol. 1 - 1048352 DOC ID: 68687
DATE: 1/13/1997 PAGES: 1
AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

8. 10. . . . Vol. 1 - 1047024 DOC ID: 96894
DATE: 3/14/1997 PAGES: 1
AUTHOR(S):
Unknown

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Handwritten list of attendees at the Sediments/Ground Water Task Force Meeting of March 14, 1997.

8. 10. . . . Vol. 1 - 1047025 DOC ID: 96895
DATE: 3/14/1997 PAGES: 1
AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Objective #4 Task List - Determine the extent to which pre and post remedial action concentration of contaminants in the groundwater is changing by chemical and/or physical processes.

8. 10. . . . Vol. 1 - 1047018 DOC ID: 96888
DATE: 3/28/1997 PAGES: 9
AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses the results of the Sediment/Ground Water Task Force meeting of March, 1997.
Note: There are 15 addressees to this memorandum.

8. 10. . . . Vol. 1 - 1047026 DOC ID: 96896
DATE: 4/11/1997 PAGES: 2
AUTHOR(S):
Unknown

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Handwritten list of attendees to the Sediments/Ground Water Task Force meeting of April 11, 1997.

8. 10. . . . Vol. 1 - 1047028 DOC ID: 96897
DATE: 4/11/1997 PAGES: 2
AUTHOR(S):
Hydrometrics, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: List of References.

8. 10. . . . Vol. 1 - 1062988 DOC ID: 96853
DATE: 4/25/1997 PAGES: 1
AUTHOR(S):
EPA

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Agenda for the Sediments/Groundwater Task Force meeting.

8. 10. . . . Vol. 1 - 1047029 DOC ID: 96898
DATE: 5/19/1997 PAGES: 1
AUTHOR(S):
Unknown

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Agenda for the Sediment/Groundwater Task Force meeting.

8. 10. . . . Vol. 1 - 1062989 DOC ID: 96854
DATE: 5/20/1997 PAGES: 1
AUTHOR(S): Dave Nation/Hydrometrics, Inc. ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Reschedules the Sediments/Groundwater Task Force meeting.
Note: There are 15 addressees to this memorandum.

8. 10. . . . Vol. 1 - 1062990 DOC ID: 96855
DATE: 6/27/1997 PAGES: 1
AUTHOR(S): Unknown ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Agenda for the Sediments/Groundwater Task Force meeting.

8. 10. . . . Vol. 1 - 1062991 DOC ID: 96856
DATE: 7/8/1997 PAGES: 1
AUTHOR(S): Piper L. Peterson Lee/EPA ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Transmits Section 8 of Asarco's draft Phase 2 Refinement of Options Report dated December 8, 1997 titled "Evaluation of Remedial Alternatives." (Less enclosure)

8. 10. . . . Vol. 1 - 1062992 DOC ID: 96858
DATE: 7/18/1997 PAGES: 1
AUTHOR(S): Unknown ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Handwritten agenda for the Sediments/Groundwater Task Force Meeting.

8. 10. . . . Vol. 1 - 1105487 DOC ID: 129133
DATE: 8/27/1997 PAGES: 5
AUTHOR(S): Roy F. Weston, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Handwritten notes memorialize the Sediments/Groundwater Task Force meeting of August 27, 1997.

8. 10. . . . Vol. 1 - 1105488 DOC ID: 129135
DATE: 10/28/1997 PAGES: 1
AUTHOR(S): EPA ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

DESCRIPTION: Proposed agenda for a Sediments/Groundwater Task Force meeting.

8. 10. . . . Vol. 1 - 1105489 DOC ID: 129138
DATE: 11/5/1997 PAGES: 2
AUTHOR(S): Scott Mason/Hydrometrics, Inc. ADDRESSEE(S):
Bruce A. Cochran/Washington State Dept. of Ecology

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Scott Mason/Hydrometrics, Inc.

Gayle Garman/NOAA

Jim Good/Parametrix, Inc.

Doug Holsten/CH2M Hill, Inc.

Bernard Zavala/EPA

DESCRIPTION: Memo recaps the November 4, 1997 Group conference call regarding discussions of the site conditions.

8. 10. . . . Vol. 1 - 1105490 DOC ID: 129142
DATE: 7/21/1998 PAGES: 1
AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: Handwritten attendee list for the Sediments/Groundwater Task Force meeting.

8. 10. . . . Vol. 1 - 1101717 DOC ID: 124380
DATE: 10/1/1998 PAGES: 26
AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

Roy F. Weston, Inc.

DESCRIPTION: Objective #3, Draft Technical Memorandum, Asarco Sediments/Groundwater Task Force.
Note: For the Administrative Record, this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

8. 10. . . . Vol. 1 - 1072504 DOC ID: 108263
DATE: 11/4/1998 PAGES: 56
AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

EPA

Hydrometrics, Inc.

DESCRIPTION: Technical Memorandum: Summary of "Group 1" Findings regarding groundwater discharge.

8. 10. . . . Vol. 1 - 1101718 DOC ID: 124381
DATE: 12/1/1998 PAGES: 239
AUTHOR(S):
Parametrix, Inc.

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

Roy F. Weston, Inc.

DESCRIPTION: Objective #2, Technical Memorandum for the Asarco Sediments/Groundwater Task Force.

8. 10. . . . Vol. 1 - 1105539 DOC ID: 129346
DATE: 12/8/1998 PAGES: 1
AUTHOR(S):

ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Hydrometrics, Inc.

Unknown

DESCRIPTION: Map: Draft Exhibit 3, Pre-RA and Post-RA Groundwater Flow and Discharge Conditions - Stack Hill/Arsenic Kitchen Source Area to Commencement Bay.

Note: For the Administrative Record, this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

8. 10. . . Vol. 1 - 1105537 DOC ID: 129344
DATE: 12/10/1998 PAGES: 1

AUTHOR(S):
Hydrometrics, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Map: Draft Exhibit 1, Pre-RA and Post-RA Groundwater Flow and Discharge Conditions - Parking Lot to Commencement Bay and Yacht Club Marina.

Note: For the Administrative Record, this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

8. 10. . . Vol. 1 - 1105538 DOC ID: 129345
DATE: 12/10/1998 PAGES: 1

AUTHOR(S):
Hydrometrics, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Map: Draft Exhibit 2, Pre-RA and Post-RA Groundwater Flow and Discharge Conditions - Cooling Pond Drainage Area to Commencement Bay.

Note: For the Administrative Record, this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

8. 10. . . Vol. 1 - 1105540 DOC ID: 129348
DATE: 12/10/1998 PAGES: 1

AUTHOR(S):
Hydrometrics, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Map: Draft Exhibit 4, Pre-RA and Post-RA Groundwater Flow and Discharge Conditions - Cooling Pond Drainage Area to Commencement Bay.

Note: For the Administrative Record, this document contains preliminary information or data currently relied upon by EPA. At a later date this document may be replaced by an updated version.

SUB-HEAD: 8. 10. . . Vol. 2 - Sediments/Groundwater Task Force

8. 10. . . Vol. 2 - 1101716 DOC ID: 124382
DATE: 1/1/1999 PAGES: 206

AUTHOR(S):
Bruce A. Cochran/Washington State Dept. of Ecology

ADDRESSEE(S):
Asarco Sediments/Ground Water Task Force

Gayle Garman/NOAA

Jim Good/Parametrix, Inc.

Doug Holsten/CH2M Hill, Inc.

Scott Mason/Hydrometrics, Inc.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Objective #4, Technical Memorandum for the Asarco Sediments/Groundwater Task Force.
Note: There are eight authors of this document.

8. 10. . . . Vol. 2 - 1101719 DOC ID: 124383
DATE: 3/1/1999 PAGES: 155
AUTHOR(S): ADDRESSSEE(S):
Marian L. Abbett/Washington State Dept. of Ecology EPA

Gayle Garman/NOAA

Doug Holsten/CH2M Hill, Inc.

Scott Mason/Hydrometrics, Inc.

Dave Nation/Hydrometrics, Inc.

DESCRIPTION: Group 5, Technical Memorandum for the Asarco Sediments/Groundwater Task Force.

HEADING: 10. 0. . . TRIBAL COORDINATION

SUB-HEAD: 10. 1. . . Vol. 1 - Correspondence

10. 1. . . Vol. 1 - 1044792 DOC ID: 67655
DATE: 12/11/1996 PAGES: 3
AUTHOR(S): ADDRESSSEE(S):
Piper L. Peterson Lee/EPA William C. Sullivan/Puyallup Tribe of Indians

DESCRIPTION: Letter responds to the Puyallup Tribe of Indian's request to conduct a fish consumption survey in Commencement Bay.

10. 1. . . Vol. 1 - 1105435 DOC ID: 129035
DATE: 2/20/1998 PAGES: 1
AUTHOR(S): ADDRESSSEE(S):
Wendy Wasson/EPA Herman Dillion/Puyallup Tribe of Indians

DESCRIPTION: Letter reminds addressee to send signed amendment.

10. 1. . . Vol. 1 - 1105436 DOC ID: 129036
DATE: 9/11/1998 PAGES: 1
AUTHOR(S): ADDRESSSEE(S):
Wendy Wasson/EPA Herman Dillion/Puyallup Tribe of Indians

DESCRIPTION: Letter requests addressee to send signed amendment.

SUB-HEAD: 10. 2. . . Vol. 1 - Tribal Certification of ARARs

10. 2. . . Vol. 1 - 1002165 DOC ID: 28795
DATE: 7/9/1991 PAGES: 2
AUTHOR(S): ADDRESSSEE(S):
Michael Stoner/EPA William Sullivan/Puyallup Tribe of Indians

DESCRIPTION: Letter discusses the update of Tribal ARARs for Asarco off-shore sediments. (Less enclosures)

10. 2. . . Vol. 1 - 1002164 DOC ID: 28794
DATE: 1/3/1992 PAGES: 1
AUTHOR(S): ADDRESSSEE(S):
William Sullivan/Puyallup Tribe of Indians Michael Stoner/EPA

DESCRIPTION: Letter discusses the Tribal ARARs for Asarco off-shore sediments.

HEADING: 12. 0. . . ENFORCEMENT

SUB-HEAD: 12. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 12. 1. 1. . Vol. 1 - Formal Correspondence

12. 1. 1. . Vol. 1 - 1002166 DOC ID: 28772
DATE: 9/11/1989 PAGES: 2
AUTHOR(S): Allan B. Bakalian/EPA
ADDRESSEE(S): Michael R. Thorp/Heller Ehrman White & McAullife

DESCRIPTION: Discusses Asarco's proposal to include an evaluation of remedial actions for marine sediment contamination offshore in the Feasibility Study.

12. 1. 1. . Vol. 1 - 1002167 DOC ID: 28831
DATE: 9/19/1989 PAGES: 2
AUTHOR(S): Linda R. Larson/Heller Ehrman White & McAullife
ADDRESSEE(S): Allan B. Bakalian/EPA

DESCRIPTION: Discusses the proposal to include an evaluation of remedial actions for marine sediment contamination offshore in the Feasibility Study.

12. 1. 1. . Vol. 1 - 1013340 DOC ID: 25024
DATE: 7/10/1992 PAGES: 2
AUTHOR(S): Richard A. DuBey/Stoel Rives Boely Jones & Grey
ADDRESSEE(S): Michael Stoner/EPA

DESCRIPTION: Reviews the status of the Asarco CERCLA Consent Order Site Cleanup.

12. 1. 1. . Vol. 1 - 1013095 DOC ID: 23592
DATE: 11/16/1993 PAGES: 2
AUTHOR(S): James E. Alexander/U. S. Dept. of Agriculture
ADDRESSEE(S): Piper L. Peterson/EPA
Elaine Atkinson/Washington State Dept. of Ecology
Andrew J. Lensink/EPA

DESCRIPTION: Letter discusses 2,000 tons of Anaconda material located at the Apex Mill Site.

12. 1. 1. . Vol. 1 - 1013084 DOC ID: 23573
DATE: 12/3/1993 PAGES: 2
AUTHOR(S): Michael O. Varner/Asarco, Inc.
ADDRESSEE(S): Ray E. Corpuz/City of Tacoma

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013086 DOC ID: 23576
DATE: 12/3/1993 PAGES: 2

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
Jim Montgomerie/Metropolitan Park District
of Tacoma

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013087 DOC ID: 23578
DATE: 12/3/1993 PAGES: 2

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
William Sullivan/Puyallup Tribe of Indians

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013088 DOC ID: 23584
DATE: 12/3/1993 PAGES: 2

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
Robert A. Taylor/NOAA

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013089 DOC ID: 23586
DATE: 12/3/1993 PAGES: 2

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
Phil Hertzog/Washington State Dept. of
Natural Resources

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013090 DOC ID: 23587
DATE: 12/3/1993 PAGES: 2

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
Carl Samuelson/Washington State Dept. of
Fisheries

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013091 DOC ID: 23588
DATE: 12/3/1993 PAGES: 2

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
Kate Benkert/U. S. Fish & Wildlife Service

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013092 DOC ID: 23589
DATE: 12/3/1993 PAGES: 2

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
Phil Parker/Ruston Town Council

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

12. 1. 1. . Vol. 1 - 1013093 DOC ID: 23590
DATE: 12/3/1993 PAGES: 2
AUTHOR(S): Michael O. Varner/Asarco, Inc. ADDRESSEE(S): Rod Malcolm/Muckleshoot Indian Tribe

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013094 DOC ID: 23591
DATE: 12/3/1993 PAGES: 3
AUTHOR(S): Michael O. Varner/Asarco, Inc. ADDRESSEE(S): Randall F. Smith/EPA

DESCRIPTION: Proposal to have coordinating forum to consider Tacoma Smelter offshore sediment issues.

12. 1. 1. . Vol. 1 - 1013085 DOC ID: 29619
DATE: 12/3/1993 PAGES: 2
AUTHOR(S): Michael O. Varner/Asarco, Inc. ADDRESSEE(S): Nancy McKay/Puget Sound Water Quality Authority

DESCRIPTION: Invitation to participate in a forum to address sediment issues.

12. 1. 1. . Vol. 1 - 1013081 DOC ID: 28773
DATE: 12/7/1993 PAGES: 2
AUTHOR(S): Thomas L. Aldrich/Asarco, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Request for additional information from Weston concerning the Supplemental Feasibility Study.

12. 1. 1. . Vol. 1 - 1013330 DOC ID: 28775
DATE: 2/23/1994 PAGES: 4
AUTHOR(S): Randall F. Smith/EPA ADDRESSEE(S): Bruce M. Diamond/EPA

DESCRIPTION: Letter provides background information regarding State liability at Superfund sites with contaminated marine sediments.

12. 1. 1. . Vol. 1 - 1013912 DOC ID: 28624
DATE: 8/26/1994 PAGES: 3
AUTHOR(S): Donald A. Robbins/Asarco, Inc. ADDRESSEE(S): Randall F. Smith/EPA

DESCRIPTION: Letter discusses Asarco's concerns regarding the consent order for a continuation of the investigation of the sediments offshore of the smelter site.

12. 1. 1. . Vol. 1 - 1029418 DOC ID: 40951
DATE: 10/20/1994 PAGES: 1
AUTHOR(S): Thomas L. Aldrich/Asarco, Inc. ADDRESSEE(S): Piper L. Peterson/EPA

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter notifies EPA of the supervising contractors for the groundwater monitoring work and the sediment investigation.

12. 1. 1. . Vol. 1 - 1029430 DOC ID: 40953
DATE: 11/9/1994 PAGES: 2
AUTHOR(S): Linda R. Larson/Heller Ehrman White & McAullife
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Letter transmits a certificate of insurance for Asarco Offshore Sediments Administrative Order on Consent.

12. 1. 1. . Vol. 1 - 1029420 DOC ID: 40954
DATE: 12/5/1994 PAGES: 3
AUTHOR(S): Michael O. Varner/Asarco, Inc.
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Letter advises EPA of cost estimate for work to be performed in the upcoming year.

12. 1. 1. . Vol. 1 - 1029421 DOC ID: 40955
DATE: 12/5/1994 PAGES: 7
AUTHOR(S): Linda R. Larson/Heller Ehrman White & McAullife
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Letter transmits the financial assurances for Marine Sediments Administrative Order on Consent, Docket No. 10-94-0221.

12. 1. 1. . Vol. 1 - 1029422 DOC ID: 40956
DATE: 12/13/1994 PAGES: 2
AUTHOR(S): Linda R. Larson/Heller Ehrman White & McAullife
ADDRESSEE(S): Piper L. Peterson/EPA

DESCRIPTION: Letter transmits a correction to financial assurances for Marine Sediments Administrative Order on Consent, Docket No. 10-94-0221.

12. 1. 1. . Vol. 1 - 1029763 DOC ID: 40958
DATE: 4/4/1995 PAGES: 2
AUTHOR(S): Michael R. Thorp/Heller Ehrman White & McAullife
ADDRESSEE(S): Tod A. Gold/EPA

DESCRIPTION: Amendment to the Sediments Administrative Order on Consent.

12. 1. 1. . Vol. 1 - 1029764 DOC ID: 40959
DATE: 4/28/1995 PAGES: 8
AUTHOR(S): Tod A. Gold/EPA
ADDRESSEE(S): Michael R. Thorp/Heller Ehrman White & McAullife

DESCRIPTION: Amendment One to the Administrative Order on Consent.

12. 1. 1. . Vol. 1 - 1029765 DOC ID: 40960
DATE: 5/3/1995 PAGES: 2
AUTHOR(S):
ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Lucy E. Phillips/Heller Ehrman White & McAullife

Tod A. Gold/EPA

DESCRIPTION: Discusses the outfall monitoring requirement of Amendment One to the Administrative Order on Consent.

12. 1. 1. . Vol. 1 - 1029766 DOC ID: 40961
DATE: 6/12/1995 PAGES: 1

AUTHOR(S):
Leslie C. Nellerhoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson/EPA

DESCRIPTION: Requests extension of due date to submit Phase 1 Data Report.

12. 1. 1. . Vol. 1 - 1029767 DOC ID: 40962
DATE: 6/12/1995 PAGES: 1

AUTHOR(S):
Cara Steiner-Riley/EPA

ADDRESSEE(S):
Leslie C. Nellerhoe/Heller Ehrman White & McAullife

DESCRIPTION: Approves a two-day extension for submitting Phase 1 Data Report.

12. 1. 1. . Vol. 1 - 1044623 DOC ID: 67333
DATE: 12/5/1995 PAGES: 1

AUTHOR(S):
Linda R. Larson/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Confirms financial assurance documents have been prepared for signature and will be sent in the next few days.

12. 1. 1. . Vol. 1 - 1029897 DOC ID: 41382
DATE: 12/7/1995 PAGES: 4

AUTHOR(S):
Kevin R. Morano/Asarco, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Financial assurances for the Administrative Order on Consent for groundwater, surface water, soil and marine sediments monitoring and sampling.

12. 1. 1. . Vol. 1 - 1044155 DOC ID: 43298
DATE: 1/30/1996 PAGES: 2

AUTHOR(S):
Thomas L. Aldrich/Asarco, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Requests a meeting to discuss the schedule for submitting Phase 2 investigative reports.

12. 1. 1. . Vol. 1 - 1029898 DOC ID: 41383
DATE: 2/16/1996 PAGES: 1

AUTHOR(S):
Leslie C. Nellerhoe/Heller Ehrman White & McAullife

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Letter discusses the deadline for submitting the Phase 2 Sediment Study Data Evaluation Report.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

12. 1. 1. . Vol. 1 - 1029899 DOC ID: 41384
DATE: 2/22/1996 PAGES: 2

AUTHOR(S):
Piper L. Peterson Lee/EPA

ADDRESSEE(S):
Thomas L. Aldrich/Asarco, Inc.

DESCRIPTION: Letter discusses the schedule for Phase 2 Expanded Remedial Investigation/Feasibility Study deliverables.

12. 1. 1. . Vol. 1 - 1044757 DOC ID: 67602
DATE: 12/2/1996 PAGES: 4

AUTHOR(S):
Michael O. Varner/Asarco, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Financial assurances for the Tacoma Smelter Administrative Order on Consent for Tacoma sediments and long-term groundwater, monitoring and sampling.

12. 1. 1. . Vol. 1 - 1044793 DOC ID: 67656
DATE: 12/23/1996 PAGES: 3

AUTHOR(S):
Michael R. Thorp/Heller Ehrman White & McAullife

ADDRESSEE(S):
Randall F. Smith/EPA

DESCRIPTION: Requests EPA defer its Proposed Plan and Record of Decision until remaining questions are answered.

12. 1. 1. . Vol. 1 - 1048156 DOC ID: 68689
DATE: 2/11/1997 PAGES: 2

AUTHOR(S):
Randall F. Smith/EPA

ADDRESSEE(S):
Michael R. Thorp/Heller Ehrman White & McAullife

DESCRIPTION: Response to Asarco's request to delay issuing the proposed plan and record of decision.

12. 1. 1. . Vol. 1 - 1048157 DOC ID: 68690
DATE: 2/25/1997 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Schedule of sediment remediation activities through the start of remedial action.

12. 1. 1. . Vol. 1 - 1047030 DOC ID: 96902
DATE: 3/6/1997 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Revised schedule of remediation activities.

12. 1. 1. . Vol. 1 - 1047031 DOC ID: 96906
DATE: 3/18/1997 PAGES: 3

AUTHOR(S):
Carl Stivers/Parametrix, Inc.

ADDRESSEE(S):
Piper L. Peterson Lee/EPA

DESCRIPTION: Revised schedule of remediation activities.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

12. 1. 1. . Vol. 1 - 1047032 DOC ID: 96907
DATE: 4/2/1997 PAGES: 1
AUTHOR(S): Leslie C. Nellermoe/Heller Ehrman White & McAullife
ADDRESSEE(S): Randall F. Smith/EPA

DESCRIPTION: Discusses willingness to undertake two additional studies not now required by the Administrative Order on Consent.

12. 1. 1. . Vol. 1 - 1062993 DOC ID: 96860
DATE: 11/26/1997 PAGES: 4
AUTHOR(S): Augustus Kinsolving/Asarco, Inc.
ADDRESSEE(S): Piper L. Peterson Lee/EPA

DESCRIPTION: Financial assurances for Tacoma Smelter Administrative Order on Consent for Tacoma sediments and long term groundwater monitoring and sampling.

SUB-HEAD: 12. 1. 2. . Vol. 1 - Handwritten Notes

12. 1. 2. . Vol. 1 - 1013110 DOC ID: 28776
DATE: 3/8/1990 PAGES: 1
AUTHOR(S): Michael Stoner/EPA
ADDRESSEE(S): Curtis E. Dungey/Asarco, Inc.

DESCRIPTION: Record of Communication of phone call regarding Asarco Sediments Supplemental Feasibility Study.

SUB-HEAD: 12. 1. 3. . Vol. 1 - CONFIDENTIAL

12. 1. 3. . Vol. 1 - 1013934 DOC ID: 28629 Confidential
DATE: 9/7/1994 PAGES: 2
AUTHOR(S): Unknown
ADDRESSEE(S): Unknown

DESCRIPTION: Outline of the Asarco Sediments Strategy.

12. 1. 3. . Vol. 1 - 1105555 DOC ID: 129486 Confidential
DATE: 11/19/1999 PAGES: 18
AUTHOR(S): Jackson L. Fox/EPA
ADDRESSEE(S): Lois J. Schiffer/U. S. Dept. of Justice
Michael F. Gearheard/EPA

DESCRIPTION: Letter requests a signature on Amendment Number One to the Asarco Smelter Consent Decree.
Note: For the Administrative Record, this CONFIDENTIAL document is located at the EPA Region 10 Records Center.

SUB-HEAD: 12. 6. . . Vol. 1 - Administrative Orders

12. 6. . . Vol. 1 - 012478 DOC ID: 28780
DATE: 8/29/1986 PAGES: 26
AUTHOR(S):
ADDRESSEE(S):

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

Charles E. Findley/EPA

Michael R. Thorp/Eisenhower Carlson
Newlands Reha Henriot & Quinn

DESCRIPTION: Final Administrative Order on Consent.

12. 6. . . Vol. 1 - 1013933 DOC ID: 28592
DATE: 9/1/1994 PAGES: 2
AUTHOR(S):
EPA

ADDRESSEE(S):
EPA

DESCRIPTION: Appendix III: Criteria For Financial Assurance, Administrative Order on Consent.
Note: Document date is estimated.

12. 6. . . Vol. 1 - 1013932 DOC ID: 28627
DATE: 9/15/1994 PAGES: 41
AUTHOR(S):
EPA

ADDRESSEE(S):
Asarco, Inc.

DESCRIPTION: Appendix I, Asarco Sediments, Expanded Remedial Investigation/Feasibility Study
Statement of Work.

12. 6. . . Vol. 1 - 1029088 DOC ID: 30607
DATE: 10/3/1994 PAGES: 43 MICROFILM: ASF112 BEGIN: 197 END: 2
AUTHOR(S):
Carol Rushin/EPA

ADDRESSEE(S):
Michael O. Varner/Asarco, Inc.

DESCRIPTION: Administrative Order on Consent for Ground Water, Surface Water, Soil and Marine
Sediments Monitoring and Sampling.

HEADING: 14. 0. . . NATURAL RESOURCE TRUSTEES

SUB-HEAD: 14. 1. . . Vol. 1 - Correspondence

14. 1. . . Vol. 1 - 1048153 DOC ID: 68685
DATE: 1/8/1996 PAGES: 1
AUTHOR(S): COMMENCEMENT BAY NRDA TRUSTEE COUNCIL
ADDRESSEE(S): EPA

DESCRIPTION: Proposed agenda for the upcoming Commencement Bay NRDA Trustee Council Executive Session.

14. 1. . . Vol. 1 - 1029895 DOC ID: 41380
DATE: 4/9/1996 PAGES: 1
AUTHOR(S): COMMENCEMENT BAY NRDA TRUSTEE COUNCIL
ADDRESSEE(S): EPA

DESCRIPTION: Proposed agenda for the upcoming Commencement Bay NRDA Trustee Council Executive Session.

14. 1. . . Vol. 1 - 1044794 DOC ID: 67657
DATE: 12/10/1996 PAGES: 1
AUTHOR(S): COMMENCEMENT BAY NRDA TRUSTEE COUNCIL
ADDRESSEE(S): EPA

DESCRIPTION: Proposed agenda for the upcoming Commencement Bay NRDA Trustee Council Executive Session.

14. 1. . . Vol. 1 - 1048154 DOC ID: 68686
DATE: 1/14/1997 PAGES: 1
AUTHOR(S): COMMENCEMENT BAY NRDA TRUSTEE COUNCIL
ADDRESSEE(S): EPA

DESCRIPTION: Proposed agenda for the upcoming Commencement Bay NRDA Trustee Council Executive Session.

HEADING: 16. 0. . . PUBLIC PARTICIPATION

SUB-HEAD: 16. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 16. 1. 1. . Vol. 1 - Formal Correspondence

16. 1. 1. . Vol. 1 - 1013159 DOC ID: 28786
DATE: 10/1/1993 PAGES: 30
AUTHOR(S):
Michelle Pirzadeh/EPA

ADDRESSEE(S):
Ione Clagett/Citizens for a Healthy Bay

Dave Gifford/Tacoma-Pierce County Health Dept.

Sherrie Hanson/Washington State Dept. of Ecology

Verna Holbrook/Town of Ruston

Judith Lorbeir/City of Tacoma

DESCRIPTION: Letter transmits new material to be placed in the document repository: Supplemental Feasibility Study, Table of Contents for Administrative Record, Off-Shore Sediments Supplemental Feasibility Study, Risk Assessment. (Less enclosures)
Note: Material sent to nine addressees.

SUB-HEAD: 16. 1. 2. . Vol. 1 - Transmittal of Public Information

16. 1. 2. . Vol. 1 - 1105946 DOC ID: 67447
DATE: 10/1/1996 PAGES: 6
AUTHOR(S):
Megan Niebuhr/Citizens for a Healthy Bay

ADDRESSEE(S):
Unknown

DESCRIPTION: Citizens For A Healthy Bay Fall Newsletter.

SUB-HEAD: 16. 2. . . Vol. 1 - Community Relations Plan

16. 2. . . Vol. 1 - 1105947 DOC ID: 69988
DATE: 9/1/1989 PAGES: 52
AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION:

SUB-HEAD: 16. 3. . . Vol. 1 - Notices of Availability of Information/Notices of Meetings

SUB-HEAD: 16. 3. 1. . Vol. 1 - Meeting Agendas

16. 3. 1. . Vol. 1 - 1013126 DOC ID: 28785
DATE: 12/6/1993 PAGES: 1
AUTHOR(S): ADDRESSSEE(S):
EPA Unknown

DESCRIPTION: Agenda for Commencement Bay Nearshore/Tideflats Informational meeting on sediment activities, Dec. 6, 1993 at Tacoma World Trade Center.

16. 3. 1. . Vol. 1 - 1044791 DOC ID: 67654
DATE: 12/12/1996 PAGES: 2
AUTHOR(S): ADDRESSSEE(S):
EPA Unknown

DESCRIPTION: Agenda for Commencement Bay Nearshore/Tideflats Superfund Site Public Meeting, December 12, 1996.

SUB-HEAD: 16. 4. . . Vol. 1 - Fact Sheets/Press Releases

16. 4. . . Vol. 1 - 1029423 DOC ID: 40963
DATE: 1/5/1995 PAGES: 20
AUTHOR(S): ADDRESSSEE(S):
Karen Pickett/Asarco, Inc. Unknown

DESCRIPTION: Press Release: "Asarco and Natural Resources Trustees Agree to Cooperative Study of Commencement Bay Sediments."

16. 4. . . Vol. 1 - 1029900 DOC ID: 41386
DATE: 2/1/1996 PAGES: 8
AUTHOR(S): ADDRESSSEE(S):
EPA Unknown

DESCRIPTION: Superfund Fact Sheet: Update on hazardous waste cleanup projects, Tacoma, Washington.

16. 4. . . Vol. 1 - 1044711 DOC ID: 67448
DATE: 9/1/1996 PAGES: 8
AUTHOR(S): ADDRESSSEE(S):
EPA Unknown

DESCRIPTION: Superfund Fact Sheet: Update on Hazardous Waste Cleanup Projects, Tacoma, Washington.

16. 4. . . Vol. 1 - 1044795 DOC ID: 67658
DATE: 11/25/1996 PAGES: 2
AUTHOR(S): ADDRESSSEE(S):
EPA Unknown

DESCRIPTION: Superfund Fact Sheet: You're invited to a public meeting for an update on the Commencement Bay Nearshore/Tideflats Superfund Site.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

16. 4. . . Vol. 1 - 1047033 DOC ID: 96908
DATE: 5/19/1997 PAGES: 2
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Superfund Fact Sheet: Sediments in Commencement Bay are contaminated with hazardous waste due to industrial activities dating to the 1800's. You are invited to a Public Meeting.

16. 4. . . Vol. 1 - 1105491 DOC ID: 129143
DATE: 11/24/1997 PAGES: 4
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

Washington State Dept. of Natural Resources

DESCRIPTION: Fact Sheet: The EPA and the WDNR have agreed to begin comprehensive negotiations to determine the State's contribution to the cleanup of five contaminated aquatic sites in the State.

16. 4. . . Vol. 1 - 1105578 DOC ID: 129923
DATE: 1/1/2000 PAGES: 6
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Superfund Fact Sheet: The EPA is inviting public comment on the Proposed Plan for cleanup of the sediments and groundwater at the former Asarco Smelter Facility.

SUB-HEAD: 16. 6. . . Vol. 1 - Newspaper/Journal/Magazine Articles

16. 6. . . Vol. 1 - 1029768 DOC ID: 40964
DATE: 6/7/1991 PAGES: 1
AUTHOR(S): Larry Lange/Seattle Post-Intelligencer ADDRESSEE(S):
Unknown

DESCRIPTION: Newspaper Article: Heavy metals 'runny' liver found in dead gray whale.

16. 6. . . Vol. 1 - 1105492 DOC ID: 129146
DATE: 9/2/1997 PAGES: 1
AUTHOR(S): Gestin Suttle/News Tribune ADDRESSEE(S):
Unknown

DESCRIPTION: Newspaper Article: Plan shapes up to clean, redevelop old Asarco site.

16. 6. . . Vol. 1 - 1105493 DOC ID: 129147
DATE: 10/15/1998 PAGES: 3
AUTHOR(S): Jeff Edwards/Tacoma Reporter ADDRESSEE(S):
Unknown

DESCRIPTION: Newspaper Article: Toxic Thea Foss.

(ASSAR) COMMENCEMENT BAY NT - ASARCO SEDIMENTS ADMINISTRATIVE RECORD INDEX

16. 6. . . Vol. 1 - 1101427 DOC ID: 121366
DATE: 7/19/1999 PAGES: 2
AUTHOR(S): NEWS TRIBUNE ADDRESSEE(S):
Unknown

DESCRIPTION: Newspaper Article: Delay in Asarco cleanup is logical.

16. 6. . . Vol. 1 - 1105494 DOC ID: 129149
DATE: 7/19/1999 PAGES: 1
AUTHOR(S): SANDI DOUGHTON/MORNING NEWS TRIBUNE ADDRESSEE(S):
Unknown

DESCRIPTION: Newspaper Article: Asarco asks delay in cleanup at smelter.

16. 6. . . Vol. 1 - 1105495 DOC ID: 129150
DATE: 7/22/1999 PAGES: 5
AUTHOR(S): ERIC COLLINS/NEWS TRIBUNE ADDRESSEE(S):
Unknown

DESCRIPTION: Newspaper Article: Asarco delay plan accepted.

HEADING: 18. 0. . . TECHNICAL SOURCES AND GUIDANCE DOCUMENTS

SUB-HEAD: 18. 1. . . Vol. 1 - EPA Guidance

18. 1. . . Vol. 1 - 1013621 DOC ID: 28729
DATE: 2/1/1991 PAGES: 5
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Methods for Aquatic Toxicity Identification Evaluations - Phase I Toxicity, Characterization Procedures (2nd edition) EPA/600/6-91/003.

SUB-HEAD: 18. 3. . . Vol. 1 - Technical Sources

18. 3. . . Vol. 1 - 1002173 DOC ID: 12828
DATE: 8/8/1973 PAGES: 11
AUTHOR(S): Eric A. Crecelius/University of Washington ADDRESSEE(S):
National Science Foundation

Roy Carpenter/University of Washington

DESCRIPTION: Article: Arsenic Distribution in Waters and Sediments of the Puget Sound Region.

18. 3. . . Vol. 1 - 1002172 DOC ID: 28792
DATE: 4/1/1987 PAGES: 5
AUTHOR(S): James M. Brannon/U. S. Army Corps of Engineers ADDRESSEE(S):
Marine Pollution Bulletin

R. E. Hoepfel/Naval Civil Engineering Laboratory

Douglas Gunnison/U. S. Army Corps of Engineers

DESCRIPTION: Article: Capping Contaminated Dredged Material.

18. 3. . . Vol. 1 - 1002171 DOC ID: 28793
DATE: 5/1/1989 PAGES: 17
AUTHOR(S): Alex Sumeri/U. S. Army Corps of Engineers ADDRESSEE(S):
World Dredging Congress Proceedings

DESCRIPTION: Article: Confined Aquatic Disposal and Capping of Contaminated Bottom Sediments in Puget Sound.

18. 3. . . Vol. 1 - 1013940 DOC ID: 28791
DATE: 1/1/1991 PAGES: 27
AUTHOR(S): Alex Sumeri/U. S. Army Corps of Engineers ADDRESSEE(S):
Unknown

Thomas J. Fredette/U. S. Army Corps of Engineers

