

TABLE OF CONTENTS  
BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD (BSGAR)

May 16, 2000

**0.0 - TABLE OF CONTENTS**

**1.0 - BOOMSNUB INTERIM ACTION ADMIN. RECORD (Referenced)**

**2.0 - REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)**

- 2.1 - Correspondence
  - 2.1.1 - Formal Correspondence
- 2.2 - RI/FS Scoping
  - 2.2.1 - Correspondence
  - 2.2.2 - Work Plan
  - 2.2.3 - Health & Safety Plan
- 2.3 - Sampling and Analysis Plans
- 2.4 - Sampling Data
  - 2.4.3 - Permalume Data
  - 2.4.4 - Boomsnub Soil Data 1997
- 2.5 - Sampling Summaries and Reports
  - 2.5.1 - Quality Assurance (QA) Memoranda
- 2.6 - Trip Reports
- 2.7 - Meetings/Agenda
- 2.9 - RI/FS Reports
  - 2.9.1 - Reports (4 Volumes)
  - 2.9.2 - Drafts & Comments
- 2.10 - Other Technical Reports
  - 2.10.1.2 - Final
  - 2.10.1.3 - Drafts & Comments
  - 2.10.2 - Site Characterization
  - 2.10.3 - Treatability Study
    - 2.10.3.1 - Correspondence
    - 2.10.3.2 - Reports
    - 2.10.3.3 - Pilot Study Data Package (2 Volumes)
  - 2.10.4 - Groundwater Modeling Report
    - 2.10.4.1 - Correspondence

TABLE OF CONTENTS  
BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD (BSGAR)

May 16, 2000

2.10.4.2 - Groundwater Modeling Report

2.11 - Proposed Plan

2.12 - Comments/Evaluations and Responses

**3.0 - RECORD OF DECISION**

3.1 - Record of Decision

**6.0 - REMEDIAL ACTION**

6.2 - Sampling Data

6.2.2 - Monthly Monitoring Reports

6.2.2.1 - Monitoring Summaries

6.2.9 - Toe of Plume Sampling

6.7 - Trip Reports (2 Volumes)

6.7.1 - Data Validation Memos

**8.0 - STATE INVOLVEMENT/COORDINATION**

8.1 - Correspondence

8.1.1 - Formal Correspondence

**9.0 - FEDERAL/MUNICIPAL/LOCAL GOVERNMENT INVOLVEMENT**

9.1 - Correspondence

**12.0 - ENFORCEMENT**

12.6 - Property Access Agreements

12.6.3 - Clark County Public Works Property Access

**14.0 - NATURAL RESOURCE TRUSTEES**

14.1 - Correspondence

**16.0 - PUBLIC PARTICIPATION**

16.1 - Correspondence

16.1.1 - Formal Correspondence

16.1.2 - Meetings/Notes

16.5 - Fact Sheets/Press Releases

16.9 - Newspaper Articles

**18.0 - GUIDANCE/REFERENCE MATERIAL**

18.1 - EPA/State Guidance

TABLE OF CONTENTS  
BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD (BSGAR)

May 16, 2000

18.3 - Technical Reference Material

**HEADING: 0. 0. . . TABLE OF CONTENTS**

**HEADING: 1. 0. . . BOOMSNUB INTERIM ACTION ADMIN. RECORD (Referenced)**

1. 0. . . Vol. 1 - 1070777 DOC ID: 119974  
DATE: 8/4/1999 PAGES: 1  
AUTHOR(S): ADDRESSSEE(S):  
Peter Contreras/EPA File

DESCRIPTION: Memo incorporating the Boomsnub Interim Action Administrative Record (BIAAR) into the Boomsnub Soils and Site-Wide Groundwater OUs Administrative Record.  
A copy of the BIAAR is available for review in the Vancouver Regional Library repository.

**HEADING: 2. 0. . . REMEDIAL INVESTIGATION/FEASIBILITY STUDY (R/FS)**

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

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

2. 1. 1. . Vol. 1 - 1030877 DOC ID: 72169 IMAGED  
DATE: 12/19/1996 PAGES: 1  
AUTHOR(S): Ann Williamson/EPA ADDRESSEE(S): Dan Alexanian/Washington State Dept. of Ecology

DESCRIPTION: Letter regarding investigatory work on BOC Gases property.

2. 1. 1. . Vol. 1 - 1080326 DOC ID: 93683 IMAGED  
DATE: 10/28/1997 PAGES: 3  
AUTHOR(S): Deborah J. Yamamoto/EPA ADDRESSEE(S): Richard Cyr/Clark County Dept. of Public Utilities

DESCRIPTION: Letter regarding abandonment of CPU Monitoring Well MW-1.

2. 1. 1. . Vol. 1 - 1070325 DOC ID: 116743 IMAGED  
DATE: 2/26/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Glenn A. Hayman/EA Engineering, Science, & Technology

DESCRIPTION: Letter inviting comment on the Remedial Investigation/Feasibility Study Status & Treatability Testing Work Plan and providing an update on the status of upcoming deliverables.

2. 1. 1. . Vol. 1 - 1070727 DOC ID: 119237 IMAGED  
DATE: 3/9/1998 PAGES: 3  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Michael Neale/Lewis & Clark Railway Co.

DESCRIPTION: Letter transmitting a map providing preliminary sampling results for chromium concentrations on addressee's property.

2. 1. 1. . Vol. 1 - 1070728 DOC ID: 119238 IMAGED  
DATE: 3/9/1998 PAGES: 3  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Peter Voorhies/Seine Creek Properties Co.

DESCRIPTION: Letter transmitting a map providing preliminary sampling results for chromium concentrations on addressee's property.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - 1070731 DOC ID: 119421 IMAGED  
DATE: 3/9/1998 PAGES: 3  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Kenneth Heuvel/Unknown

DESCRIPTION: Letter transmitting a map providing the preliminary sampling results for chromium concentrations in soils at addressee's property.  
Redacted version of Doc. No. 116744 contained in the site file.

2. 1. 1. . Vol. 1 - 1070329 DOC ID: 116750 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Columbia Veterinary Center

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.

2. 1. 1. . Vol. 1 - 1070732 DOC ID: 119424 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Paul Bennett/Unknown

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.  
Redacted version of Doc. Id. #116747 contained in the site file.

2. 1. 1. . Vol. 1 - 1070733 DOC ID: 119425 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Edrie Horn/Unknown

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.  
Redacted version of Doc No. 116748 contained in the site file.

2. 1. 1. . Vol. 1 - 1070331 DOC ID: 119426 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown Williams/Unknown

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.  
Redacted version of Doc. No. 116752 contained in the site file.

2. 1. 1. . Vol. 1 - 1070737 DOC ID: 119427 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Juanita Fitzgerald/Unknown

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.  
Redacted version of Doc. No. 116754 contained in the site file.

2. 1. 1. . Vol. 1 - 1070739 DOC ID: 119428 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown Zent/Unknown

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.

Redacted version of Doc. No. 116756 contained in the site file.

2. 1. 1. . Vol. 1 - 1070738 DOC ID: 119429 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown Garrison/Unknown

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.

Redacted version of Doc. No. 116755 contained in the site file.

2. 1. 1. . Vol. 1 - 1070736 DOC ID: 119430 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown Grimm/Unknown

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.

Redacted version of Doc. No. 116753 contained in the site file.

2. 1. 1. . Vol. 1 - 1070734 DOC ID: 119431 IMAGED  
DATE: 3/11/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Robert Crockford/Unknown

DESCRIPTION: Letter requesting permission to sample addressee's well during the period 3/19/1998 through 3/26/1998.

Redacted version of Doc. No. 116751 contained in the site file.

2. 1. 1. . Vol. 1 - 1085845 DOC ID: 103513 IMAGED  
DATE: 6/30/1998 PAGES: 5  
AUTHOR(S): Deborah J. Yamamoto/EPA ADDRESSEE(S): Nic Anderson/First Church of God

DESCRIPTION: Request for access to conduct additional work on the First Church of God Property.

2. 1. 1. . Vol. 1 - 1070740 DOC ID: 119432 IMAGED  
DATE: 8/5/1998 PAGES: 2  
AUTHOR(S): Deborah J. Yamamoto/EPA ADDRESSEE(S): Otto Gaither/Unknown

DESCRIPTION: Letter regarding new road planned on the south side of NE 78th St.

Redacted version of Doc. No. 105927 contained in the site file.

2. 1. 1. . Vol. 1 - 1070408 DOC ID: 117326 IMAGED  
DATE: 9/8/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Richard Cyr/Clark County Dept. of Public Utilities

DESCRIPTION: Letter transmitting a copy of the Technical Memorandum on Developing Remedial Alternatives (less attachment).

2. 1. 1. . Vol. 1 - 1070741 DOC ID: 119433 IMAGED  
DATE: 10/23/1998 PAGES: 7  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Peter Contreras/EPA

Kenneth Heuvel/Unknown

DESCRIPTION: Letter transmitting six maps showing soil and ground-water data that EPA has collected in the vicinity of the addressee's property.  
Redacted version of Doc. No. 117177 contained in the site file.

2. 1. 1. . Vol. 1 - 1070337 DOC ID: 116758 IMAGED  
DATE: 10/28/1998 PAGES: 2

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Sandy Brackins/GL & V LaValley Industries  
Inc.

DESCRIPTION: Letter transmitting a copy of the "Trip Report, Direct-Push Temporary Well Sampling and Groundwater Monitoring Well Installations, Boomsnub/Airco Superfund Site, Hazel Dell, Washington, April, 1998" (less attachment).

2. 1. 1. . Vol. 1 - 1070394 DOC ID: 117178 IMAGED  
DATE: 2/23/1999 PAGES: 2

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Sue Kinish/Bonneville Power Administration

DESCRIPTION: Letter transmitting a copy of the Draft Feasibility Study (FS) dated December 1998 (less attachment).

2. 1. 1. . Vol. 1 - 1070338 DOC ID: 116759 IMAGED  
DATE: 3/24/1999 PAGES: 2

AUTHOR(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter transmitting copies of the Remedial Investigation (RI) Report (Revision 1) (less attachments).

2. 1. 1. . Vol. 1 - 1070762 DOC ID: 119914 IMAGED  
DATE: 6/17/1999 PAGES: 1

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter formally approving Baseline Risk Assessment, Revision 1, dated 4/1999.

2. 1. 1. . Vol. 1 - 1070763 DOC ID: 119916 IMAGED  
DATE: 6/17/1999 PAGES: 3

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Dan Alexanian/Washington State Dept. of  
Ecology

DESCRIPTION: Letter replying to comment letter dated 6/2/1999 regarding the Remedial Investigation Report, Revision 2, dated 5/1999 and the Baseline Risk Assessment Report, Revision 1, dated 4/1999.

2. 1. 1. . Vol. 1 - 1070761 DOC ID: 119897 IMAGED  
DATE: 6/21/1999 PAGES: 2

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Dan Alexanian/Washington State Dept. of  
Ecology

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter requesting the State of Washington to identify all applicable or relevant and appropriate requirements (ARARs) or other potential requirements to be considered (TBCs) in evaluating potential cleanup measures.

2. 1. 1. . Vol. 1 - 1070769 DOC ID: 119917 IMAGED  
DATE: 7/8/1999 PAGES: 2  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting comments on the letter dated 6/21/1999 which formally requested applicable or relevant and appropriate requirements (ARARs).

**SUB-HEAD: 2. 2. . . Vol. 1 - RI/FS Scoping**

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

2. 2. 1. . Vol. 1 - 1030876 DOC ID: 72167 IMAGED  
DATE: 6/5/1996 PAGES: 3  
AUTHOR(S): Deborah J. Yamamoto/EPA  
ADDRESSEE(S): James Merriam/BOC Gases  
Michael S. Resh/BOC Gases  
Glenn A. Hayman/EA Engineering, Science, & Technology  
Richard Cyr/Clark County Dept. of Public Utilities  
Steve Prather/Clark County Dept. of Public Utilities

DESCRIPTION: Letter and attached mailing list inviting EPA personnel and members of the public and/or agencies to attend a RI/FS scoping meeting on 6/17/1996.

2. 2. 1. . Vol. 1 - 1080325 DOC ID: 93682 IMAGED  
DATE: 8/13/1997 PAGES: 4  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Dan Alexanian/Washington State Dept. of Ecology  
Nic Anderson/First Church of God  
Douglas Ballou/NE Hazel Dell Neighborhood Association  
Ann Duffy/Washington State Dept. of Health  
Juanita Fitzgerald/Unknown

DESCRIPTION: Letter inviting participation in the initial planning of the Boomsnub RI/FS Work Plan.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 2. 1. . Vol. 1 - 1070340 DOC ID: 116761 IMAGED  
DATE: 8/25/1997 PAGES: 4

AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, &  
Technology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter submitting comments on the Work Plan and the Sampling and Analysis Plan for the Remedial Investigation/Feasibility Study.

2. 2. 1. . Vol. 1 - 1070541 DOC ID: 118226 IMAGED  
DATE: 9/5/1997 PAGES: 1

AUTHOR(S): Donald Matheny/EPA  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Memo containing comments on the Sampling and Analysis Plan, Remedial Investigation/Feasibility Study dated 8/1997.

2. 2. 1. . Vol. 1 - 1070542 DOC ID: 118228 IMAGED  
DATE: 9/12/1997 PAGES: 13

AUTHOR(S): Bernard Zavala/EPA  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Memo containing comments on the Work Plan and the Sampling and Analysis Plan for the Remedial Investigation/Feasibility Study dated 8/1997 (with marginalia).

2. 2. 1. . Vol. 1 - 1070344 DOC ID: 116765 IMAGED  
DATE: 10/17/1997 PAGES: 1

AUTHOR(S): Deborah J. Yamamoto/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter informing of completion of EPA review of the Site Health and Safety Plan, Revision 1, Remedial Investigation/Feasibility study and that EPA has no further comments on the document.

2. 2. 1. . Vol. 1 - 1070543 DOC ID: 118229 IMAGED  
DATE: 10/23/1997 PAGES: 1

AUTHOR(S): Deborah J. Yamamoto/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter transmitting a review of the Sampling and Analysis Plan, Remedial Investigation/Feasibility Study (less attachment).

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

2. 2. 2. . Vol. 1 - 1080472 DOC ID: 94556 IMAGED  
DATE: 11/1/1997 PAGES: 195

AUTHOR(S): ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): EPA

DESCRIPTION: Remedial Investigation and Feasibility Study (RI/FS) Work Plan.

**SUB-HEAD: 2. 2. 3. . Vol. 1 - Health & Safety Plan**

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 2. 3. . Vol. 1 - 1080471 DOC ID: 94554 IMAGED  
DATE: 10/1/1997 PAGES: 225  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
EPA

DESCRIPTION: Site Health and Safety Plan Revision 1.

**SUB-HEAD: 2. 3. . . Vol. 1 - Sampling and Analysis Plans**

2. 3. . . Vol. 1 - DOC ID: 94208 IMAGED  
DATE: 11/1/1997 PAGES: 208  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
EPA

DESCRIPTION: Sampling and Analysis Plan, Remedial Investigation/Feasibility Study Report Revision (Final).

2. 3. . . Vol. 1 - 1070345 DOC ID: 116766 IMAGED  
DATE: 2/19/1998 PAGES: 11  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter transmitting an Amendment to the Remedial Investigation/Feasibility Study Field Sampling Plan (FSP).

2. 3. . . Vol. 1 - 1070346 DOC ID: 116767 IMAGED  
DATE: 3/5/1998 PAGES: 9  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter transmitting Revision 1 of Amendment to the Remedial Investigation/Feasibility Study Field Sampling Plan (FSP).

2. 3. . . Vol. 1 - 1083389 DOC ID: 105928 IMAGED  
DATE: 5/22/1998 PAGES: 8  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter transmitting Amendment 2 to the Remedial Investigation/Feasibility Study (RI/FS) Field Sampling Plan (FSP).

2. 3. . . Vol. 1 - 1070347 DOC ID: 116768 IMAGED  
DATE: 7/13/1998 PAGES: 11  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter transmitting Amendment 3 to the Remedial Investigation/Feasibility Study Field Sampling Plan (FSP).

2. 3. . . Vol. 1 - 1070348 DOC ID: 116769 IMAGED  
DATE: 7/15/1998 PAGES: 8  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Bernard Zavala/EPA

Peter Contreras/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: Field Sampling Plan for Groundwater Sampling at MW-28, 30, and 31, July 15 and 16, 1998.

**SUB-HEAD: 2. 4. . . Vol. 1 - Sampling Data**

**SUB-HEAD: 2. 4. 3. . Vol. 1 - Permalume Data**

2. 4. 3. . Vol. 1 - 1091124 DOC ID: 118355 IMAGED  
DATE: 12/12/1997 PAGES: 12

AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Cover letter and Permalume Sampling results done by Dept. of Ecology.

**SUB-HEAD: 2. 4. 4. . Vol. 1 - Boomsnub Soil Data 1997**

2. 4. 4. . Vol. 1 - 1080432 DOC ID: 94359 IMAGED  
DATE: 12/1/1997 PAGES: 373

AUTHOR(S): Gerald Muth/EPA  
ADDRESSEE(S): Deborah J. Yamamoto/EPA  
John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Quality Assurance Data Review of Boomsnub Field Analysis - Chromium Data.

**SUB-HEAD: 2. 5. . . Vol. 1 - Sampling Summaries and Reports**

**SUB-HEAD: 2. 5. 1. . Vol. 1 - Quality Assurance (QA) Memoranda**

2. 5. 1. . Vol. 1 - 1070356 DOC ID: 116871 IMAGED  
DATE: 2/23/1997 PAGES: 9

AUTHOR(S): Donald Matheny/EPA  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Memorandum containing a comparison of the split sample results for the analysis of total chromium in soils.

2. 5. 1. . Vol. 1 - 1070357 DOC ID: 116873 IMAGED  
DATE: 4/27/1998 PAGES: 7

AUTHOR(S): Ginna Grepo-Grove/EPA  
ADDRESSEE(S): Peter Contreras/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Data Validation Report for Volatile Organic Analysis (VOA) of a Rinsate Sample.

2. 5. 1. . . Vol. 1 - 1070358 DOC ID: 116874  
DATE: 4/27/1998 PAGES: 7  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Peter Contreras/EPA

DESCRIPTION: Data Validation Report for Volatile Organic Analysis (VOA) of a Rinsate Sample.

2. 5. 1. . . Vol. 1 - 1070359 DOC ID: 116875 IMAGED  
DATE: 6/16/1998 PAGES: 5  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Peter Contreras/EPA

DESCRIPTION: Review of the Data Validation Report for Total Chromium (III) and Hexavalent Chromium (CR VI) Analysis of Samples.

**SUB-HEAD: 2. 6. . . Vol. 1 - Trip Reports**

2. 6. . . . Vol. 1 - 1083391 DOC ID: 105930 IMAGED  
DATE: 4/7/1998 PAGES: 143  
AUTHOR(S): ADDRESSSEE(S):  
John Frerich/ICF Kaiser Engineers Group, Inc. Peter Contreras/EPA

Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Transmittal of the combined trip report for the temporary well sampling and the installation of four monitoring wells.

2. 6. . . . Vol. 1 - 1070353 DOC ID: 116828 IMAGED  
DATE: 5/1/1998 PAGES: 5  
AUTHOR(S): ADDRESSSEE(S):  
Bernard Zavala/EPA Peter Contreras/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: Quality Assurance Sampling Plan Addendum for Boomsnub/Airco Groundwater Sampling Through Temporary Wells.

2. 6. . . . Vol. 1 - 1070336 DOC ID: 116757 IMAGED  
DATE: 6/24/1998 PAGES: 1  
AUTHOR(S): ADDRESSSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc. Peter Contreras/EPA

DESCRIPTION: Letter transmitting the trip report for the May/June direct-push temporary well sampling near the toe of the contaminated ground water plume (less attachment).

2. 6. . . . Vol. 1 - 1070361 DOC ID: 116926 IMAGED  
DATE: 9/15/1998 PAGES: 244  
AUTHOR(S): ADDRESSSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc. Peter Contreras/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Trip Report for May/June 1998 Direct Push Sampling.

2. 6. . . . Vol. 1 - 1070362 DOC ID: 116943 IMAGED  
DATE: 10/28/1998 PAGES: 65  
AUTHOR(S): COLIN WAGONER/ICF KAISER ENGINEERS GROUP, INC. ADDRESSEE(S): PETER CONTRERAS/EPA

DESCRIPTION: Trip Report for the August/September 1998 well installations (MW-36 and MW-37) near the leading edge of the contaminated ground-water plume.

**SUB-HEAD: 2. 7. . . . Vol. 1 - Meetings/Agenda**

2. 7. . . . Vol. 1 - 1030878 DOC ID: 72171 IMAGED  
DATE: 6/17/1996 PAGES: 1  
AUTHOR(S): EPA ADDRESSEE(S): Unknown

DESCRIPTION: Topics of discussion for Boomsnub/Airco RI/FS scoping meeting.

2. 7. . . . Vol. 1 - 1030879 DOC ID: 72176 IMAGED  
DATE: 6/27/1997 PAGES: 3  
AUTHOR(S): JOHN P. FRERICH/ICF TECHNOLOGY, INC. ADDRESSEE(S): PETER CONTRERAS/EPA

DESCRIPTION: Transmittal of summary of meeting between EPA and ICF Kaiser Engineers on Boomsnub/Airco O & M and RI/FS Work Assignments.

2. 7. . . . Vol. 1 - 1070363 DOC ID: 116948 IMAGED  
DATE: 11/19/1997 PAGES: 1  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: List of attendees to the Upper Troutdale Wells meeting.

2. 7. . . . Vol. 1 - 1070396 DOC ID: 117299 IMAGED  
DATE: 1/15/1998 PAGES: 1  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Agenda for meeting with CPU and Washington Dept. of Health.

2. 7. . . . Vol. 1 - 1070364 DOC ID: 116949 IMAGED  
DATE: 2/3/1998 PAGES: 1  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Agenda for a Treatability Study meeting.

2. 7. . . . Vol. 1 - 1070397 DOC ID: 117300 IMAGED  
DATE: 10/15/1998 PAGES: 1  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Unknown

Unknown

DESCRIPTION: Agenda for permeable treatment wall meeting.

2. 7. . . . Vol. 1 - 1070398 DOC ID: 117301 IMAGED  
DATE: 10/15/1998 PAGES: 6  
AUTHOR(S): ADDRESSSEE(S):  
Peter Contreras/EPA Unknown

DESCRIPTION: Handwritten minutes for a meeting regarding reactive wall technologies.

2. 7. . . . Vol. 1 - 1070395 DOC ID: 117180 IMAGED  
DATE: 2/23/1999 PAGES: 7  
AUTHOR(S): ADDRESSSEE(S):  
Stephanie O'Haunosen/Envirometal Technologies, Inc. Unknown

DESCRIPTION: A chart showing sequential degradation model results and some specifications for vertically oriented hydraulic fractures in an iron reactive wall.

**SUB-HEAD: 2. 9. . . . Vol. 1 - RI/FS Reports**

**SUB-HEAD: 2. 9. 1. . . . Vol. 1 - Reports**

2. 9. 1. . . . Vol. 1 - 1070751 DOC ID: 119543 IMAGED  
DATE: 5/1/1999 PAGES: 287  
AUTHOR(S): ADDRESSSEE(S):  
ICF Kaiser Engineers Group, Inc. EPA

DESCRIPTION: Remedial Investigation Report (Revision 2).

**SUB-HEAD: 2. 9. 1. . . . Vol. 2 - Reports**

2. 9. 1. . . . Vol. 2 - 1070752 DOC ID: 119545 IMAGED  
DATE: 5/1/1999 PAGES: 1,041  
AUTHOR(S): ADDRESSSEE(S):  
ICF Kaiser Engineers Group, Inc. EPA

DESCRIPTION: Remedial Investigation Report (Revision 2) Appendices Volume 1, Appendices A & B.

**SUB-HEAD: 2. 9. 1. . . . Vol. 3 - Reports**

2. 9. 1. . . . Vol. 3 - 1070753 DOC ID: 119546 IMAGED  
DATE: 5/1/1999 PAGES: 645  
AUTHOR(S): ADDRESSSEE(S):  
ICF Kaiser Engineers Group, Inc. EPA

DESCRIPTION: Remedial Investigation Report (Revision 2) Appendices Volume 2, Appendices C - I.

**SUB-HEAD: 2. 9. 1. . Vol. 4 - Reports**

2. 9. 1. . Vol. 4 - 1070774 DOC ID: 119954 IMAGED  
DATE: 7/1/1999 PAGES: 458  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
EPA

DESCRIPTION: Final Feasibility Study Report Revision 2.

**SUB-HEAD: 2. 9. 2. . Vol. 1 - Drafts & Comments**

2. 9. 2. . Vol. 1 - 1070401 DOC ID: 117314 IMAGED  
DATE: PAGES: 1  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S):  
Unknown

DESCRIPTION: Handwritten notes regarding technical memorandum on development alternative.

2. 9. 2. . Vol. 1 - 1070403 DOC ID: 117316 IMAGED  
DATE: 8/27/1997 PAGES: 3  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting a copy of the Cost Estimating Guidance for Feasibility Studies (first page of enclosure is attached).

2. 9. 2. . Vol. 1 - 1070404 DOC ID: 117317 IMAGED  
DATE: 6/22/1998 PAGES: 7  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter enclosing a draft outline for the first Technical Memorandum leading up to the feasibility study report (with marginalia).

2. 9. 2. . Vol. 1 - 1070405 DOC ID: 117318 IMAGED  
DATE: 6/30/1998 PAGES: 1  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter enclosing a copy of the Cost Estimating Guidance for Feasibilities Studies (less attachment).

2. 9. 2. . Vol. 1 - 1070407 DOC ID: 117321 IMAGED  
DATE: 8/1/1998 PAGES: 106  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):  
EPA

DESCRIPTION: Technical Memorandum on Developing Remedial Alternatives.

2. 9. 2. . Vol. 1 - 1070406 DOC ID: 117319 IMAGED  
DATE: 8/20/1998 PAGES: 2  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Colin Wagoner/ICF Kaiser Engineers Group, Inc.

Peter Contreras/EPA

DESCRIPTION: Letter transmitting copies of the Technical Memorandum on Developing Remedial Alternatives (less attachments).

2. 9. 2. . Vol. 1 - 1070402 DOC ID: 117315  
DATE: 9/3/1998 PAGES: 1

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Unknown

DESCRIPTION: Handwritten notes regarding Ecology comments on the technical memorandum on Development/Screen Alternatives.

2. 9. 2. . Vol. 1 - 1070400 DOC ID: 117330 IMAGED  
DATE: 9/10/1998 PAGES: 4

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Fax transmittal of Feasibility Study Issues outline with handwritten notes.

2. 9. 2. . Vol. 1 - 1070409 DOC ID: 117333 IMAGED  
DATE: 9/15/1998 PAGES: 17

AUTHOR(S):  
Unknown

ADDRESSEE(S):  
Unknown

DESCRIPTION: Agenda, presentation materials and not from a Feasibility Study meeting.

2. 9. 2. . Vol. 1 - 1070399 DOC ID: 117302 IMAGED  
DATE: 9/25/1998 PAGES: 5

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Fax transmittal of a letter from Colin Wagoner to Peter Contreras regarding Feasibility Study Meeting Minutes with handwritten comments.

2. 9. 2. . Vol. 1 - 1070410 DOC ID: 117335 IMAGED  
DATE: 10/6/1998 PAGES: 5

AUTHOR(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter summarizing discussion and key decisions that were made at the Feasibility Study meeting on 9/14/1998.

2. 9. 2. . Vol. 1 - 1070411 DOC ID: 117338 IMAGED  
DATE: 10/21/1998 PAGES: 1

AUTHOR(S):  
Glenn A. Hayman/EA Engineering, Science, &  
Technology

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter following up issues in the Feasibility Study meeting.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 9. 2. . Vol. 1 - 1070367 DOC ID: 116979 IMAGED  
DATE: 11/5/1998 PAGES: 12  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology  
ADDRESSEE(S): Peter Contreras/EPA  
DESCRIPTION: Letter containing comments on the Draft Remedial Investigation Report.

2. 9. 2. . Vol. 1 - 1070412 DOC ID: 117339 IMAGED  
DATE: 11/24/1998 PAGES: 1  
AUTHOR(S): Unknown  
ADDRESSEE(S): Unknown  
DESCRIPTION: List of progress, things to do, and issues regarding the Feasibility Study.

2. 9. 2. . Vol. 1 - 1070368 DOC ID: 116980 IMAGED  
DATE: 12/18/1998 PAGES: 1  
AUTHOR(S): Bernard Zavala/EPA  
ADDRESSEE(S): Unknown  
DESCRIPTION: Comments on the Remedial Investigation report.

2. 9. 2. . Vol. 1 - 1070413 DOC ID: 117340 IMAGED  
DATE: 12/18/1998 PAGES: 2  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA  
DESCRIPTION: Letter transmitting the draft Feasibility Study (FS) Report (Revision 0) (less attachment).

2. 9. 2. . Vol. 1 - 1070414 DOC ID: 117342 IMAGED  
DATE: 12/22/1998 PAGES: 22  
AUTHOR(S): Dan White/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA  
DESCRIPTION: Letter transmitting eight Clark County property maps covering the Superfund site and a property ownership list that includes all properties known to be impacted by the contaminated groundwater plume in the Alluvial aquifer.

2. 9. 2. . Vol. 1 - 1070369 DOC ID: 117020 IMAGED  
DATE: 3/1/1999 PAGES: 34  
AUTHOR(S): ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): EPA  
DESCRIPTION: Remedial Investigation Report, revision 1 (selected pages with handwritten annotations and note indicating these pages have been superseded in Revision 2).

2. 9. 2. . Vol. 1 - 1070415 DOC ID: 117344 IMAGED  
DATE: 3/19/1999 PAGES: 1  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Bernard Zavala/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Record of communication for a discussion regarding the status of the In-Situ Redox Manipulation (ISRM) technology.

2. 9. 2. . Vol. 1 - 1070339 DOC ID: 116760 IMAGED  
DATE: 5/3/1999 PAGES: 3  
AUTHOR(S): Glenn Unknown/Unknown ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail transmitting comments on the Remedial Investigation (RI) Report (Revision 1).

2. 9. 2. . Vol. 1 - 1070416 DOC ID: 117347 IMAGED  
DATE: 6/2/1999 PAGES: 10  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail transmitting BOC and EA Engineering's comments on the Feasibility Study.

**SUB-HEAD: 2.10. . . Vol. 1 - Other Technical Reports**

**SUB-HEAD: 2.10. 1. 2. Vol. 1 - Final**

2. 10. 1. 2. Vol. 1 - 1091066 DOC ID: 117600 IMAGED  
DATE: 4/1/1999 PAGES: 359  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Human Health and Ecological Baseline Risk Assessment Revision 1.

**SUB-HEAD: 2.10. 1. 3. Vol. 1 - Drafts & Comments**

2. 10. 1. 3. Vol. 1 - 1091044 DOC ID: 117460 IMAGED  
DATE: PAGES: 3  
AUTHOR(S): Dana Davoli/EPA ADDRESSEE(S): EPA

DESCRIPTION: Memo regarding use of groundwater wells for risk assessment with attached table.

2. 10. 1. 3. Vol. 1 - 1070419 DOC ID: 117353 IMAGED  
DATE: 3/5/1998 PAGES: 9  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter providing an approach for evaluating ground-water data for the Baseline Human Health Risk Assessment.

2. 10. 1. 3. Vol. 1 - 1091045 DOC ID: 117465 IMAGED  
DATE: 3/30/1998 PAGES: 3  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Dana Davoli/EPA

EPA

DESCRIPTION: Memo providing a summary of the decisions made regarding the selection of groundwater data to be used in the baseline risk assessment.

2. 10. 1. 3. Vol. 1 - 1091047 DOC ID: 117475 IMAGED  
DATE: 4/22/1998 PAGES: 1

AUTHOR(S): Dana Davoli/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail regarding hexavalent chrome and trivalent chrome.

2. 10. 1. 3. Vol. 1 - 1091048 DOC ID: 117487 IMAGED  
DATE: 4/24/1998 PAGES: 2

AUTHOR(S): Diane Wisbeck/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Dana Davoli/EPA

DESCRIPTION: E-mail responding to questions in e-mail to John Frerich regarding the risk assessment of the Boomsnub site.

2. 10. 1. 3. Vol. 1 - 1091049 DOC ID: 117493 IMAGED  
DATE: 4/28/1998 PAGES: 1

AUTHOR(S): Dana Davoli/EPA  
ADDRESSEE(S): ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail scheduling a possible conference call with list of issues for discussion.

2. 10. 1. 3. Vol. 1 - 1091050 DOC ID: 117500 IMAGED  
DATE: 4/28/1998 PAGES: 1

AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail messages regarding soil TARA tables.

2. 10. 1. 3. Vol. 1 - 1085842 DOC ID: 103443 IMAGED  
DATE: 6/1/1998 PAGES: 337

AUTHOR(S): ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): EPA

DESCRIPTION: Human Health and Ecological Baseline Risk Assessment (Revision 0).

2. 10. 1. 3. Vol. 1 - 1070420 DOC ID: 117354 IMAGED  
DATE: 6/26/1998 PAGES: 1

AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting copies of the Draft Risk Assessment Report for review (less attachments).

2. 10. 1. 3. Vol. 1 - 1070421 DOC ID: 117356 IMAGED  
DATE: 7/29/1998 PAGES: 25

AUTHOR(S):  
ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Dana Davoli/EPA

Peter Contreras/EPA

DESCRIPTION: Memo transmitting comments on the Risk Assessment.

2. 10. 1. 3. Vol. 1 - 1070422 DOC ID: 117358 IMAGED  
DATE: 7/30/1998 PAGES: 5  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, &  
Technology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter submitting BOC Gases and EA Engineering's comments on the Human Health and Ecological Baseline Risk Assessment.

2. 10. 1. 3. Vol. 1 - 1091051 DOC ID: 117512 IMAGED  
DATE: 8/28/1998 PAGES: 1  
AUTHOR(S): Robert Cheung/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Dana Davoli/EPA

DESCRIPTION: E-mail providing suggestions to incorporate into the risk assessment.

2. 10. 1. 3. Vol. 1 - 1091053 DOC ID: 117525 IMAGED  
DATE: 8/31/1998 PAGES: 2  
AUTHOR(S): Robert Cheung/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Dana Davoli/EPA

DESCRIPTION: E-mail transmitting subsurface soil data summaries for Boomsnub property and the Voorhies property.

2. 10. 1. 3. Vol. 1 - 1091052 DOC ID: 117516 IMAGED  
DATE: 9/15/1998 PAGES: 1  
AUTHOR(S): Dana Davoli/EPA ADDRESSEE(S): Peter Contreras/EPA  
Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail regarding Boomsnub writeups.

2. 10. 1. 3. Vol. 1 - 1091054 DOC ID: 117526 IMAGED  
DATE: 9/15/1998 PAGES: 4  
AUTHOR(S): Robert Cheung/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Dana Davoli/EPA

DESCRIPTION: E-mail transmitting two files regarding evaluation of subsurface soils and perimeter wells that will be inserted into the risk assessment.

2. 10. 1. 3. Vol. 1 - 1091055 DOC ID: 117533 IMAGED  
DATE: 9/16/1998 PAGES: 1  
AUTHOR(S): Dana Davoli/EPA ADDRESSEE(S): Robert Cheung/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail providing a modification to the fourth paragraph of the writeup on the subsurface soil section.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 1. 3. Vol. 1 - 1070423 DOC ID: 117360 IMAGED  
DATE: 9/21/1998 PAGES: 4  
AUTHOR(S): Julius U. Nwosu/EPA  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Memo containing comments on the ecological risk assessment.

2. 10. 1. 3. Vol. 1 - 1091056 DOC ID: 117536 IMAGED  
DATE: 9/22/1998 PAGES: 5  
AUTHOR(S): Julius U. Nwosu/EPA  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail transmitting comments on the ecological risk assessment.

2. 10. 1. 3. Vol. 1 - 1091057 DOC ID: 117537 IMAGED  
DATE: 9/29/1998 PAGES: 1  
AUTHOR(S): Julius U. Nwosu/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail messages commenting on the ecological risk assessment.

2. 10. 1. 3. Vol. 1 - 1091058 DOC ID: 117551 IMAGED  
DATE: 9/30/1998 PAGES: 4  
AUTHOR(S): Robert Cheung/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Dana Davoli/EPA

DESCRIPTION: E-mail messages regarding the Boomsnub writeups.

2. 10. 1. 3. Vol. 1 - 1091059 DOC ID: 117554 IMAGED  
DATE: 11/4/1998 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail messages regarding risk assessment.

2. 10. 1. 3. Vol. 1 - 1091060 DOC ID: 117557 IMAGED  
DATE: 11/4/1998 PAGES: 1  
AUTHOR(S): Dana Davoli/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail message regarding risk assessment.

2. 10. 1. 3. Vol. 1 - 1070424 DOC ID: 117361 IMAGED  
DATE: 3/18/1999 PAGES: 1  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Dan Alexanian/Washington State Dept. of Ecology

DESCRIPTION: Letter transmitting a copy of the draft Human Health and Ecological Baseline Risk Assessment - Revision 1, 01/1999 (less attachment).

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 1. 3. Vol. 1 - 1091061 DOC ID: 117585 IMAGED  
DATE: 3/30/1999 PAGES: 3  
AUTHOR(S): Dana Davoli/EPA ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail transmitting comments on the human health risk assessment.

2. 10. 1. 3. Vol. 1 - 1091062 DOC ID: 117587 IMAGED  
DATE: 4/5/1999 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Dana Davoli/EPA

DESCRIPTION: E-mail providing risk comments.

2. 10. 1. 3. Vol. 1 - 1091063 DOC ID: 117588 IMAGED  
DATE: 4/7/1999 PAGES: 2  
AUTHOR(S): Dana Davoli/EPA ADDRESSEE(S): Peter Contreras/EPA  
Robert Cheung/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail commenting on table 3-19 of the Boomsnub risk assessment.

2. 10. 1. 3. Vol. 1 - 1091069 DOC ID: 117602 IMAGED  
DATE: 4/12/1999 PAGES: 33  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail providing comments on the Human Health and Ecological Baseline Risk Assessment Revision 1.

2. 10. 1. 3. Vol. 1 - 1091064 DOC ID: 117589 IMAGED  
DATE: 4/14/1999 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Dan Alexanian/Washington State Dept. of Ecology

DESCRIPTION: E-mail responding to comments on the Boomsnub risk assessment.

2. 10. 1. 3. Vol. 1 - 1091046 DOC ID: 117468 IMAGED  
DATE: 4/19/1999 PAGES: 1  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of comments on unidentified document.

2. 10. 1. 3. Vol. 1 - 1091065 DOC ID: 117590 IMAGED  
DATE: 6/1/1999 PAGES: 1  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Record of communication documenting a telephone conversation with Dan Alexanian/Washington Dept. of Ecology, in which he provided comments on the 4/99 Boomsnub risk assessment.

**SUB-HEAD: 2. 10. 2. . Vol. 1 - Site Characterization**

2. 10. 2. . Vol. 1 - 1085843 DOC ID: 103452 IMAGED  
DATE: 5/1/1998 PAGES: 1,306  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Preliminary Site Characterization Report (Revision 0).

2. 10. 2. . Vol. 1 - 1070370 DOC ID: 117022 IMAGED  
DATE: 6/30/1998 PAGES: 7  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter submitting comments on the Preliminary Site Characterization Report.

2. 10. 2. . Vol. 1 - 1070371 DOC ID: 117024 IMAGED  
DATE: 7/31/1998 PAGES: 3  
AUTHOR(S): Bernard Zavala/EPA ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.  
Peter Contreras/EPA

DESCRIPTION: E-mail with comments on the 5/1998 Site Characterization Report.

2. 10. 2. . Vol. 1 - 1070372 DOC ID: 117026 IMAGED  
DATE: 8/4/1998 PAGES: 6  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter containing comments on the 5/1998 Preliminary Site Characterization Report.

**SUB-HEAD: 2. 10. 3. . Vol. 1 - Treatability Study**

2. 10. 3. . Vol. 1 - 1070375 DOC ID: 117035 IMAGED  
DATE: 1/15/1998 PAGES: 4  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of recommendations for sampling at monitoring well MW-14E and at the leading edge of the plume where well MW-31 will be constructed.

**SUB-HEAD: 2. 10. 3. 1. Vol. 1 - Correspondence**

2. 10. 3. 1. Vol. 1 - 1070463 DOC ID: 118002 IMAGED  
DATE: PAGES: 1  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Peter Contreras/EPA

Dan Alexanian/Washington State Dept. of Ecology

DESCRIPTION: Fax cover sheet for a summary of 2 month pilot tests (less attachment).

2. 10. 3. 1. Vol. 1 - 1070464 DOC ID: 118003 IMAGED  
DATE: PAGES: 3  
AUTHOR(S): ADDRESSSEE(S):  
Bernard Zavala/EPA Peter Contreras/EPA

DESCRIPTION: Memo containing review comments on the Treatability And Pilot Test Report.

2. 10. 3. 1. Vol. 1 - 1070465 DOC ID: 118004 IMAGED  
DATE: 5/14/1997 PAGES: 1  
AUTHOR(S): ADDRESSSEE(S):  
Deborah J. Yamamoto/EPA Steve Wilhelm/E G & G Environmental

DESCRIPTION: Letter confirming a meeting set for 5/21/1997 to discuss the NoVOCs technology.

2. 10. 3. 1. Vol. 1 - 1070527 DOC ID: 118005 IMAGED  
DATE: 5/21/1997 PAGES: 4  
AUTHOR(S): ADDRESSSEE(S):  
Peter Contreras/EPA Unknown

DESCRIPTION: Handwritten notes for meeting regarding the NoVOCs technology.

2. 10. 3. 1. Vol. 1 - 1091100 DOC ID: 118099 IMAGED  
DATE: 1/26/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Deborah J. Yamamoto/EPA Peter Contreras/EPA

DESCRIPTION: E-mail providing comments for the treatability studies meeting.

2. 10. 3. 1. Vol. 1 - 1091101 DOC ID: 118101 IMAGED  
DATE: 2/25/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Peter Contreras/EPA Dan Alexanian/Washington State Dept. of Ecology

DESCRIPTION: Letter transmitting the Treatability Study Work Plan (less attachment).

2. 10. 3. 1. Vol. 1 - 1070466 DOC ID: 118006 IMAGED  
DATE: 3/17/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Glenn A. Hayman/EA Engineering, Science, & Technology Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the Work Plan for Treatability Testing.

2. 10. 3. 1. Vol. 1 - 1091102 DOC ID: 118104 IMAGED  
DATE: 4/1/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc. Peter Contreras/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter transmitting Revision 1 of the Treatability Testing Work Plan (less attachment).

2. 10. 3. 1. Vol. 1 - 1091103 DOC ID: 118108 IMAGED  
DATE: 4/10/1998 PAGES: 2  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter regarding Table 7 of the Treatability Testing Work Plan, Revision 1 (with table attached).

2. 10. 3. 1. Vol. 1 - 1091104 DOC ID: 118112 IMAGED  
DATE: 9/2/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail commenting on the Tech Memo on Developing Remedial Alternatives.

2. 10. 3. 1. Vol. 1 - 1070468 DOC ID: 118007 IMAGED  
DATE: 9/25/1998 PAGES: 15  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of a draft pilot study work plan (with marginalia and handwritten notes attached).

2. 10. 3. 1. Vol. 1 - 1070469 DOC ID: 118008 IMAGED  
DATE: 9/28/1998 PAGES: 18  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting the Work Plan for In-Well Stripping Pilot Test.

2. 10. 3. 1. Vol. 1 - 1091105 DOC ID: 118116 IMAGED  
DATE: 9/28/1998 PAGES: 1  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of Objectives for Work Plan with hand written summary of phone communication.

2. 10. 3. 1. Vol. 1 - 1070470 DOC ID: 118009 IMAGED  
DATE: 9/30/1998 PAGES: 1  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding discussion with Tom McKeon about air emissions from In-well stripping system.

2. 10. 3. 1. Vol. 1 - 1070471 DOC ID: 118010 IMAGED  
DATE: 9/30/1998 PAGES: 1  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Joe English/Project Performance Corp.

Unknown

DESCRIPTION: Diagram of an in-well stripping system with infiltration gallery for metals removal in a recirculating well.

2. 10. 3. 1. Vol. 1 - 1070472 DOC ID: 118011 IMAGED  
DATE: 10/1/1998 PAGES: 1  
AUTHOR(S): JUDI SCHWARZ/EPA  
ADDRESSEE(S): PETER CONTRERAS/EPA

DESCRIPTION: E-mail regarding CERCLA exemption from permit requirements.

2. 10. 3. 1. Vol. 1 - 1070473 DOC ID: 118013 IMAGED  
DATE: 10/1/1998 PAGES: 4  
AUTHOR(S): GLENN A. HAYMAN/EA ENGINEERING, SCIENCE, & TECHNOLOGY  
ADDRESSEE(S): COLIN WAGONER/ICF KAISER ENGINEERS GROUP, INC.

DESCRIPTION: E-mail with preliminary comments on the In-Well Stripping Pilot Test Work Plan.

2. 10. 3. 1. Vol. 1 - 1091106 DOC ID: 118121 IMAGED  
DATE: 10/1/1998 PAGES: 2  
AUTHOR(S): PETER CONTRERAS/EPA  
ADDRESSEE(S): LOWELL WEISS/CLARK COUNTY DEPT. OF PUBLIC UTILITIES

DESCRIPTION: Letter requesting access to property (less attachment).

2. 10. 3. 1. Vol. 1 - 1070474 DOC ID: 118015 IMAGED  
DATE: 10/2/1998 PAGES: 2  
AUTHOR(S): BERNARD ZAVALA/EPA  
ADDRESSEE(S): PETER CONTRERAS/EPA

DESCRIPTION: Memo containing review comments on the Work Plan for Bench Scale and Pilot Testing, In-Well Stripping Well dated 9/1998.

2. 10. 3. 1. Vol. 1 - 1070475 DOC ID: 118016 IMAGED  
DATE: 10/2/1998 PAGES: 2  
AUTHOR(S): PETER CONTRERAS/EPA  
ADDRESSEE(S): UNKNOWN

DESCRIPTION: Handwritten notes for a meeting regarding the In-Well Stripping Work Plan Pilot.

2. 10. 3. 1. Vol. 1 - 1070476 DOC ID: 118017 IMAGED  
DATE: 10/6/1998 PAGES: 1  
AUTHOR(S): PETER CONTRERAS/EPA  
ADDRESSEE(S): UNKNOWN

DESCRIPTION: Handwritten notes for a meeting regarding the Treatability Pilot.

2. 10. 3. 1. Vol. 1 - 1070477 DOC ID: 118019 IMAGED  
DATE: 10/6/1998 PAGES: 2  
AUTHOR(S):  
ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Bernard Zavala/EPA

David Burden/EPA

DESCRIPTION: Letter requesting technical support for reviewing the Work Plan for In-Well Stripping Bench Scale Pilot Testing.

2. 10. 3. 1. Vol. 1 - 1070478 DOC ID: 118020 IMAGED  
DATE: 10/6/1998 PAGES: 2

AUTHOR(S):  
Leslie Major/Pacific Groundwater Group

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Fax transmittal of review comments on "Bench Scale and Pilot Testing, In-Well Stripping Well Revision 0."

2. 10. 3. 1. Vol. 1 - 1070479 DOC ID: 118021 IMAGED  
DATE: 10/7/1998 PAGES: 1

AUTHOR(S):  
Bernard Zavala/EPA

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: E-mail regarding geoprobe analysis.

2. 10. 3. 1. Vol. 1 - 1070480 DOC ID: 118023 IMAGED  
DATE: 10/13/1998 PAGES: 15

AUTHOR(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Fax transmittal of the Project Performance Corporation's Laboratory Experiments Quality Control Manual for Batch Laboratory Experiments for Chromium Removal at the Boomsnub site.

2. 10. 3. 1. Vol. 1 - 1070481 DOC ID: 118024 IMAGED  
DATE: 10/20/1998 PAGES: 3

AUTHOR(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Fax transmittal of 2 draft graphs showing the main results of a recent direct push investigation.

2. 10. 3. 1. Vol. 1 - 1070482 DOC ID: 118025 IMAGED  
DATE: 10/21/1998 PAGES: 1

AUTHOR(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: E-mail regarding preliminary data from direct push and pilot test well locations.

2. 10. 3. 1. Vol. 1 - 1091107 DOC ID: 118125 IMAGED  
DATE: 10/22/1998 PAGES: 4

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Lowell Weiss/Clark County Dept. of Public  
Utilities

DESCRIPTION: Letter responding to 10/9/98 letter requesting clarification and additional information on EPA's request for access to property.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 3. 1. Vol. 1 - 1070483 DOC ID: 118027 IMAGED  
DATE: 10/23/1998 PAGES: 7  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown

DESCRIPTION: Handwritten notes for a meeting regarding monitoring well locations for a treatability study.

2. 10. 3. 1. Vol. 1 - 1070484 DOC ID: 118028 IMAGED  
DATE: 10/23/1998 PAGES: 1  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding well construction plans.

2. 10. 3. 1. Vol. 1 - 1070486 DOC ID: 118030 IMAGED  
DATE: 10/26/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail regarding well construction plans.

2. 10. 3. 1. Vol. 1 - 1070487 DOC ID: 118031 IMAGED  
DATE: 10/28/1998 PAGES: 2  
AUTHOR(S): Bernard Zavala/EPA ADDRESSEE(S): Igor Vern/Washington State Dept. of Ecology

DESCRIPTION: Letter transmitting a draft cross-section of the proposed monitoring well and piezometer.

2. 10. 3. 1. Vol. 1 - 1070488 DOC ID: 118032 IMAGED  
DATE: 10/30/1998 PAGES: 3  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Meeting notes for a conference call discussing comments on ICF's Work Plan for Pilot Study Work of an In-Well Stripping system with chromium infiltration gallery.

2. 10. 3. 1. Vol. 1 - 1070489 DOC ID: 118033 IMAGED  
DATE: 10/30/1998 PAGES: 1  
AUTHOR(S): Steven D. Acree/EPA ADDRESSEE(S): Bernard Zavala/EPA

DESCRIPTION: E-mail transmitting a memo with comments (less attachment).

2. 10. 3. 1. Vol. 1 - 1070490 DOC ID: 118035 IMAGED  
DATE: 10/30/1998 PAGES: 1  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding a follow-up to the ADA discussion.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 3. 1. Vol. 1 - 1070491 DOC ID: 118037 IMAGED  
DATE: 10/30/1998 PAGES: 7

AUTHOR(S):  
Tom McKeon/Project Performance Corp.

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Fax transmittal of charts and diagrams regarding monitoring wells.

2. 10. 3. 1. Vol. 1 - 1070492 DOC ID: 118039 IMAGED  
DATE: 10/30/1998 PAGES: 8

AUTHOR(S):  
Steven D. Acree/EPA

ADDRESSEE(S):  
Bernard Zavala/EPA

DESCRIPTION: Memo regarding ManTech Environmental Research Services Corp. review of the Work Plan, Bench Scale and Pilot Scale Testing, In-Well Stripping Well.

2. 10. 3. 1. Vol. 1 - 1091108 DOC ID: 118130 IMAGED  
DATE: 10/30/1998 PAGES: 8

AUTHOR(S):  
Steven D. Acree/EPA

ADDRESSEE(S):  
Bernard Zavala/EPA

Randall R. Ross/EPA

DESCRIPTION: Memo providing comments on work plan, bench scale, pilot scale testing, and in-well stripping well.

2. 10. 3. 1. Vol. 1 - 1070493 DOC ID: 118040 IMAGED  
DATE: 11/2/1998 PAGES: 3

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Unknown

DESCRIPTION: Handwritten notes for a conference call.

2. 10. 3. 1. Vol. 1 - 1070494 DOC ID: 118041 IMAGED  
DATE: 11/20/1998 PAGES: 2

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Unknown

DESCRIPTION: Handwritten notes for a conference call.

2. 10. 3. 1. Vol. 1 - 1070495 DOC ID: 118043 IMAGED  
DATE: 11/21/1998 PAGES: 7

AUTHOR(S):  
Unknown

ADDRESSEE(S):  
Unknown

DESCRIPTION: Water table charts with marginalia and handwritten notes attached.

2. 10. 3. 1. Vol. 1 - 1070496 DOC ID: 118044 IMAGED  
DATE: 12/2/1998 PAGES: 7

AUTHOR(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Peter Contreras/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Fax transmittal of tabulated results for the batch and column tests on various reactive media (with marginalia).

2. 10. 3. 1. Vol. 1 - 1070497 DOC ID: 118045 IMAGED  
DATE: 12/4/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Unknown

DESCRIPTION: Handwritten notes for a conference call.

2. 10. 3. 1. Vol. 1 - 1070498 DOC ID: 118047 IMAGED  
DATE: 12/9/1998 PAGES: 2  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail regarding the injection of sodium metabisulfate.

2. 10. 3. 1. Vol. 1 - 1070499 DOC ID: 118048 IMAGED  
DATE: 12/14/1998 PAGES: 3  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Unknown

DESCRIPTION: Handwritten notes for a conference call regarding pilot testing.

2. 10. 3. 1. Vol. 1 - 1070500 DOC ID: 118070 IMAGED  
DATE: 12/15/1998 PAGES: 1  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding conversation with Tom McKeon and Joe English of Project Performance Corporation about tracer test logistics.

2. 10. 3. 1. Vol. 1 - 1070501 DOC ID: 118071 IMAGED  
DATE: 12/16/1998 PAGES: 1  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding a tracer test during the pilot study of the in-well stripping well.

2. 10. 3. 1. Vol. 1 - 1070502 DOC ID: 118072 IMAGED  
DATE: 12/17/1998 PAGES: 3  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail transmitting an update on O&M activities from Steve Wesley.

2. 10. 3. 1. Vol. 1 - 1070503 DOC ID: 118073 IMAGED  
DATE: 12/18/1998 PAGES: 1  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Fax transmittal of an e-mail from Bernie Zavala/EPA to Colin Wagoner/ICF Kaiser Engineers regarding messages from Steve Acree about the Pilot study.

2. 10. 3. 1. Vol. 1 - 1091109 DOC ID: 118132 IMAGED  
DATE: 12/18/1998 PAGES: 2  
AUTHOR(S): Steven D. Acree/EPA  
ADDRESSEE(S): Bernard Zavala/EPA

DESCRIPTION: Memo regarding results of bench and column tests of chromium fixation systems.

2. 10. 3. 1. Vol. 1 - 1070504 DOC ID: 118074 IMAGED  
DATE: 12/21/1998 PAGES: 1  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding a stripping well tracer test.

2. 10. 3. 1. Vol. 1 - 1070505 DOC ID: 118075 IMAGED  
DATE: 12/28/1998 PAGES: 3  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Unknown

DESCRIPTION: In-well Stripping Pilot Test Procedures.

2. 10. 3. 1. Vol. 1 - 1070528 DOC ID: 118076 IMAGED  
DATE: 12/30/1998 PAGES: 3  
AUTHOR(S): Bernard Zavala/EPA  
ADDRESSEE(S): Unknown

DESCRIPTION: Sample matrices for the pilot testing in-well stripping well.

2. 10. 3. 1. Vol. 1 - 1070507 DOC ID: 118078 IMAGED  
DATE: 1/6/1999 PAGES: 1  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail transmitting the approximate flow rates of wells.

2. 10. 3. 1. Vol. 1 - 1070508 DOC ID: 118079 IMAGED  
DATE: 1/7/1999 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of results of tests regarding a pilot test well installed on 1/4/1999.

2. 10. 3. 1. Vol. 1 - 1070506 DOC ID: 118077 IMAGED  
DATE: 1/18/1999 PAGES: 2  
AUTHOR(S): Tom McKeon/Project Performance Corp.  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Email regarding updated pilot sample results.

2. 10. 3. 1. Vol. 1 - 1070509 DOC ID: 118080 IMAGED  
DATE: 1/21/1999 PAGES: 3  
AUTHOR(S): Tom McKeon/Project Performance Corp. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail providing a pilot test summary of operation.

2. 10. 3. 1. Vol. 1 - 1070510 DOC ID: 118081 IMAGED  
DATE: 2/9/1999 PAGES: 3  
AUTHOR(S): Stan Peterson/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Fax transmittal of a memo regarding the pilot test sample results.

2. 10. 3. 1. Vol. 1 - 1070511 DOC ID: 118082 IMAGED  
DATE: 2/15/1999 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding sampling for the pilot test.

2. 10. 3. 1. Vol. 1 - 1070512 DOC ID: 118083 IMAGED  
DATE: 2/24/1999 PAGES: 1  
AUTHOR(S): Tom McKeon/Project Performance Corp. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail regarding a change to the operation of the pilot well due to sand and precipitate.

2. 10. 3. 1. Vol. 1 - 1070621 DOC ID: 118959 IMAGED  
DATE: 3/4/1999 PAGES: 1  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Spreadsheet showing pilot test sample results (with handwritten notes).

2. 10. 3. 1. Vol. 1 - 1070513 DOC ID: 118084 IMAGED  
DATE: 3/5/1999 PAGES: 3  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown

DESCRIPTION: Handwritten notes for a meeting regarding a pilot well.

2. 10. 3. 1. Vol. 1 - 1070514 DOC ID: 118085 IMAGED  
DATE: 3/5/1999 PAGES: 4  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Table showing pilot test sample results.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 3. 1. Vol. 1 - 1070515 DOC ID: 118086 IMAGED  
DATE: 3/11/1999 PAGES: 3  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Unknown

DESCRIPTION: Handwritten notes.

2. 10. 3. 1. Vol. 1 - 1070516 DOC ID: 118087 IMAGED  
DATE: 3/11/1999 PAGES: 1  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting the Draft Treatability and Pilot Test Report (less attachment).

2. 10. 3. 1. Vol. 1 - 1091110 DOC ID: 118135 IMAGED  
DATE: 3/19/1999 PAGES: 3  
AUTHOR(S): Bernard Zavala/EPA ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Memo commenting on the "Continuation of Pilot Test for the Boomsnub/AIRCO Superfund Site."

2. 10. 3. 1. Vol. 1 - 1070517 DOC ID: 118088 IMAGED  
DATE: 3/25/1999 PAGES: 1  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding the cost of VOCs.

2. 10. 3. 1. Vol. 1 - 1070518 DOC ID: 118089 IMAGED  
DATE: 3/25/1999 PAGES: 5  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail transmitting comments on the Treatability and Pilot Test Report.

2. 10. 3. 1. Vol. 1 - 1070519 DOC ID: 118090 IMAGED  
DATE: 4/8/1999 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail regarding low and high cost options to sampling air stream.

2. 10. 3. 1. Vol. 1 - 1070520 DOC ID: 118091 IMAGED  
DATE: 4/12/1999 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding air sampling and CH2M Hill lab in Corvallis.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 3. 1. Vol. 1 - 1070521 DOC ID: 118093 IMAGED  
DATE: 4/13/1999 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail regarding air sampling frequencies.

2. 10. 3. 1. Vol. 1 - 1091111 DOC ID: 118139 IMAGED  
DATE: 4/14/1999 PAGES: 4  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting comments on the Treatability and Pilot Test Report, Revision 0.

2. 10. 3. 1. Vol. 1 - 1070522 DOC ID: 118094 IMAGED  
DATE: 4/20/1999 PAGES: 4  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Unknown

DESCRIPTION: Handwritten notes for a meeting.

2. 10. 3. 1. Vol. 1 - 1070523 DOC ID: 118095 IMAGED  
DATE: 4/30/1999 PAGES: 7  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting comments on the Treatability and Pilot Test Report, Revision 0.

2. 10. 3. 1. Vol. 1 - 1070524 DOC ID: 118096 IMAGED  
DATE: 5/4/1999 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Tom McKeon/Project Performance Corp.

DESCRIPTION: E-mail containing hexavalent chromium results from 4/28/1999.

2. 10. 3. 1. Vol. 1 - 1070525 DOC ID: 118097 IMAGED  
DATE: 5/12/1999 PAGES: 8  
AUTHOR(S): Steven D. Acree/EPA  
ADDRESSEE(S): Bernard Zavala/EPA

DESCRIPTION: Memo containing comments on the Treatability and Pilot Test Report (with marginalia).

2. 10. 3. 1. Vol. 1 - 1091113 DOC ID: 118145 IMAGED  
DATE: 5/12/1999 PAGES: 1  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting a summary of operation and performance data from the Boomsnub pilot system (less attachment).

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 3. 1. Vol. 1 - 1091114 DOC ID: 118147 IMAGED  
DATE: 5/12/1999 PAGES: 2  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology  
ADDRESSEE(S): Peter Contreras/EPA  
DESCRIPTION: E-mail regarding in-well stripping pilot test.

2. 10. 3. 1. Vol. 1 - 1091115 DOC ID: 118151 IMAGED  
DATE: 5/12/1999 PAGES: 10  
AUTHOR(S): Steven D. Acree/EPA  
ADDRESSEE(S): Bernard Zavala/EPA  
DESCRIPTION: Memo providing comments on the "Treatability and Pilot Test Report."

2. 10. 3. 1. Vol. 1 - 1070526 DOC ID: 118098 IMAGED  
DATE: 5/27/1999 PAGES: 3  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology  
ADDRESSEE(S): Peter Contreras/EPA  
DESCRIPTION: E-mail containing comments on the Pilot Test Report by Project Performance Corporation.

2. 10. 3. 1. Vol. 1 - 1070766 DOC ID: 119918 IMAGED  
DATE: 6/24/1999 PAGES: 4  
AUTHOR(S): Steven D. Acree/EPA  
ADDRESSEE(S): Bernard Zavala/EPA  
DESCRIPTION: Memo regarding the review of the Preliminary Results of Enhanced Density-Driven Convection Pilot Test Report dated 5/11/1999 (e-mail attached).

**SUB-HEAD: 2. 10. 3. 2. Vol. 1 - Reports**

2. 10. 3. 2. Vol. 1 - 1070529 DOC ID: 118153 IMAGED  
DATE: PAGES: 9  
AUTHOR(S): Unknown  
ADDRESSEE(S): Unknown  
DESCRIPTION: Charts and tables relating to monitoring wells.

2. 10. 3. 2. Vol. 1 - 1070530 DOC ID: 118154 IMAGED  
DATE: PAGES: 8  
AUTHOR(S): Unknown  
ADDRESSEE(S): Unknown  
DESCRIPTION: Standard Operating Procedure for Conduction Divergent Flow Tracer Test with Operating DDC Recirculating Well.

2. 10. 3. 2. Vol. 1 - 1091117 DOC ID: 118165 IMAGED  
DATE: 11/1/1997 PAGES: 19  
AUTHOR(S): ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Technical Memorandum: Candidate Technologies for Treatability Testing  
Boomsnub/AIRCO (BOC Gases) Superfund Site Hazel Dell.

2. 10. 3. 2. Vol. 1 - 1090175 DOC ID: 130707 IMAGED  
DATE: 2/1/1998 PAGES: 29  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Work Plan for Treatability Testing - Revision 0 - Boomsnub/Airco (BOC Gases) Superfund Site.

2. 10. 3. 2. Vol. 1 - 1091118 DOC ID: 118167 IMAGED  
DATE: 4/1/1998 PAGES: 34  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Work Plan for Treatability Testing-Boomsnub/AIRCO Superfund Site, Hazel Dell (Revision 1).

2. 10. 3. 2. Vol. 1 - 1091119 DOC ID: 118169 IMAGED  
DATE: 9/28/1998 PAGES: 18  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting the 9/1/98 "Work Plan for Bench Scale and Pilot Testing In-Well Stripping Well."

2. 10. 3. 2. Vol. 1 - 1091120 DOC ID: 118170 IMAGED  
DATE: 10/1/1998 PAGES: 15  
AUTHOR(S): Project Performance Corp. ADDRESSEE(S): Unknown

DESCRIPTION: Laboratory Experiments Quality Control Manual-Standard Operating Procedure (SOP-07): Batch Laboratory Experiments-Chromium Removal.

2. 10. 3. 2. Vol. 1 - 1091121 DOC ID: 118176 IMAGED  
DATE: 10/19/1998 PAGES: 35  
AUTHOR(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting Work Plan for In-Well Stripping Pilot Test (Revision 1).

2. 10. 3. 2. Vol. 1 - 1070533 DOC ID: 118177 IMAGED  
DATE: 12/3/1998 PAGES: 5  
AUTHOR(S): Stan R. Peterson/Project Performance Corp. ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter regarding sodium and sulfate concentrations of groundwater.

2. 10. 3. 2. Vol. 1 - 1070534 DOC ID: 118182 IMAGED  
DATE: 12/4/1998 PAGES: 24  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Tom McKeon/Project Performance Corp.

Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter regarding expected performance of the in-well stripping pilot planned for the Boomsnub project (with attached tables and Summary of Batch and Column Experiments).

2. 10. 3. 2. Vol. 1 - 1070535 DOC ID: 118197 IMAGED  
DATE: 12/31/1998 PAGES: 7  
AUTHOR(S): Tom McKeon/Project Performance Corp. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of information related to the Boomsnub tracer test.

2. 10. 3. 2. Vol. 1 - 1070536 DOC ID: 118200 IMAGED  
DATE: 1/21/1999 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S):

DESCRIPTION: Fax transmittal of Boomsnub Pilot Test Summary of Operation.

2. 10. 3. 2. Vol. 1 - 1070537 DOC ID: 118203 IMAGED  
DATE: 3/8/1999 PAGES: 5  
AUTHOR(S): Colin Wagoner/Ridolfi Engineers & Associates, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter providing summary and recommendation on the in-well stripping pilot test.

2. 10. 3. 2. Vol. 1 - 1070538 DOC ID: 118204 IMAGED  
DATE: 3/25/1999 PAGES: 11  
AUTHOR(S): James T. Rybock/Klean Earth Environmental Co. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting test results on prior Silica Micro Encapsulation (SME) demonstrations involving chrome.

2. 10. 3. 2. Vol. 1 - 1070539 DOC ID: 118209 IMAGED  
DATE: 3/31/1999 PAGES: 4  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: As built for pilot test.

2. 10. 3. 2. Vol. 1 - 1091122 DOC ID: 118211 IMAGED  
DATE: 5/11/1999 PAGES: 26  
AUTHOR(S): Project Performance Corp. ADDRESSEE(S): Unknown

DESCRIPTION: Preliminary Results of Enhanced Density-Driven Convection Pilot Test, Boomsnub/BOC Gases Superfund Site.

2. 10. 3. 2. Vol. 1 - 1070556 DOC ID: 118354 IMAGED  
DATE: 6/9/1999 PAGES: 16  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

John Frerich/ICF Kaiser Engineers Group, Inc.

Peter Contreras/EPA

DESCRIPTION: Letter transmitting the final Pilot Test Sample Results Table.  
The site file copy of this document includes a 3 1/4 inch floppy disk.

**SUB-HEAD: 2. 10. 3. 3. Vol. 1 - Pilot Study Data Package**

2. 10. 3. 3. Vol. 1 - 1091020 DOC ID: 117375 IMAGED  
DATE: 12/29/1998 PAGES: 6

AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): Colin Wagner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 12/10/98, Laboratory Reference No. 9812-087.

2. 10. 3. 3. Vol. 1 - 1091021 DOC ID: 117376 IMAGED  
DATE: 12/29/1998 PAGES: 5

AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 12/15/98, Laboratory Reference No. 9812-117.

2. 10. 3. 3. Vol. 1 - 1091022 DOC ID: 117377 IMAGED  
DATE: 12/30/1998 PAGES: 260

AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting results of the analyses of samples submitted on 12/10/98 from Project 39042-112-00.

**SUB-HEAD: 2. 10. 3. 3. Vol. 2 - Pilot Study Data Package**

2. 10. 3. 3. Vol. 2 - 1091023 DOC ID: 117381 IMAGED  
DATE: 1/8/1999 PAGES: 8

AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 1/7/99, Laboratory Reference No. 9901-022.

2. 10. 3. 3. Vol. 2 - 1091024 DOC ID: 117383 IMAGED  
DATE: 1/8/1999 PAGES: 7

AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 12/31/98, Laboratory Reference No. 9812-186.

2. 10. 3. 3. Vol. 2 - 1091025 DOC ID: 117384 IMAGED  
DATE: 1/13/1999 PAGES: 10

AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Andrew A. Bay/OnSite Environmental, Inc.

Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 12/31/98, Laboratory Reference No. 9812-186.

2. 10. 3. 3. Vol. 2 - 1091026 DOC ID: 117387 IMAGED  
DATE: 1/13/1999 PAGES: 12

AUTHOR(S):  
Andrew A. Bay/OnSite Environmental, Inc.

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 1/7/99, Laboratory Reference No. 9901-022.

2. 10. 3. 3. Vol. 2 - 1091027 DOC ID: 117389 IMAGED  
DATE: 1/21/1999 PAGES: 35

AUTHOR(S):  
Andrew A. Bay/OnSite Environmental, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 1/13/99, Laboratory Reference No. 9901-053.

2. 10. 3. 3. Vol. 2 - 1091028 DOC ID: 117390 IMAGED  
DATE: 1/26/1999 PAGES: 43

AUTHOR(S):  
Andrew A. Bay/OnSite Environmental, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 1/20/99, Laboratory Reference No. 9901-087.

2. 10. 3. 3. Vol. 2 - 1091029 DOC ID: 117393 IMAGED  
DATE: 2/3/1999 PAGES: 28

AUTHOR(S):  
Andrew A. Bay/OnSite Environmental, Inc.

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 1/27/99, Laboratory Reference No. 9901-130.

2. 10. 3. 3. Vol. 2 - 1091030 DOC ID: 117395 IMAGED  
DATE: 2/8/1999 PAGES: 15

AUTHOR(S):  
Andrew A. Bay/OnSite Environmental, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 1/27/99, Laboratory Reference No. 9901-130.

2. 10. 3. 3. Vol. 2 - 1091031 DOC ID: 117396 IMAGED  
DATE: 2/9/1999 PAGES: 48

AUTHOR(S):  
Andrew A. Bay/OnSite Environmental, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 2/3/99, Laboratory Reference No. 9902-017.

2. 10. 3. 3. Vol. 2 - 1091032 DOC ID: 117397 IMAGED  
DATE: 2/25/1999 PAGES: 5  
AUTHOR(S): Stan Palmquist/Sound Analytical Services, Inc. ADDRESSEE(S): Andrew A. Bay/OnSite Environmental, Inc.

DESCRIPTION: Letter transmitting the test results for two samples received at Sound Analytical Services on 2/24/99.

2. 10. 3. 3. Vol. 2 - 1091033 DOC ID: 117399 IMAGED  
DATE: 3/1/1999 PAGES: 49  
AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 2/18/99, Laboratory Reference No. 9902-107.

2. 10. 3. 3. Vol. 2 - 1091034 DOC ID: 117401 IMAGED  
DATE: 3/5/1999 PAGES: 19  
AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting the test results for two samples received at Sound Analytical Services on 2/24/99, Laboratory Reference No. 9902-147.

2. 10. 3. 3. Vol. 2 - 1091035 DOC ID: 117404 IMAGED  
DATE: 3/12/1999 PAGES: 53  
AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 3/4/99, Laboratory Reference No. 9903-022.

2. 10. 3. 3. Vol. 2 - 1091036 DOC ID: 117406 IMAGED  
DATE: 4/8/1999 PAGES: 35  
AUTHOR(S): Andrew A. Bay/OnSite Environmental, Inc. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 4/1/99, Laboratory Reference No. 9904-001.

2. 10. 3. 3. Vol. 2 - 1091037 DOC ID: 117411 IMAGED  
DATE: 4/22/1999 PAGES: 22  
AUTHOR(S): David Baumeister/OnSite Environmental, Inc. ADDRESSEE(S): John Frerich/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 4/15/99, Laboratory Reference No. 9904-096.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 3. 3. Vol. 2 - 1091038 DOC ID: 117413 IMAGED  
DATE: 5/3/1999 PAGES: 22

AUTHOR(S):  
David Baumeister/OnSite Environmental, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 4/29/99, Laboratory Reference No. 9904-178.

2. 10. 3. 3. Vol. 2 - 1091039 DOC ID: 117416 IMAGED  
DATE: 5/5/1999 PAGES: 8

AUTHOR(S):  
Kelly Ensor/CH2M Hill, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for four samples submitted on 4/29/99, Applied Sciences Group Reference No. 9400.

2. 10. 3. 3. Vol. 2 - 1091040 DOC ID: 117419 IMAGED  
DATE: 5/11/1999 PAGES: 14

AUTHOR(S):  
David Baumeister/OnSite Environmental, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 4/29/99, Laboratory Reference No. 9904-178.

2. 10. 3. 3. Vol. 2 - 1091041 DOC ID: 117421 IMAGED  
DATE: 5/21/1999 PAGES: 35

AUTHOR(S):  
David Baumeister/OnSite Environmental, Inc.

ADDRESSEE(S):  
John Frerich/ICF Kaiser Engineers Group,  
Inc.

DESCRIPTION: Letter transmitting analytical results and quality control data for samples submitted on 5/14/99, Laboratory Reference No. 9905-078.

**SUB-HEAD: 2. 10. 4. . Vol. 1 - Groundwater Modeling Report**

**SUB-HEAD: 2. 10. 4. 1. Vol. 1 - Correspondence**

2. 10. 4. 1. Vol. 1 - 1091180 DOC ID: 118533 IMAGED  
DATE: PAGES: 3

AUTHOR(S):  
Peter Contreras/EPA

ADDRESSEE(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: Letter providing comments on unidentified draft document and questions on e-mail memo.

2. 10. 4. 1. Vol. 1 - 1070561 DOC ID: 118362 IMAGED  
DATE: 12/8/1998 PAGES: 1

AUTHOR(S):  
Colin Wagoner/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Peter Contreras/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter transmitting a draft report on ground-water flow and solute transport modeling (less attachment).

2. 10. 4. 1. Vol. 1 - 1091181 DOC ID: 118534 IMAGED  
DATE: 12/14/1998 PAGES: 2  
AUTHOR(S): Eric Harmsen/Unknown ADDRESSEE(S): Colin Wagoner/Unknown

DESCRIPTION: Memo providing a brief description of the technical approach to be used in the development of the chromium and TCE transport models.

2. 10. 4. 1. Vol. 1 - 1070562 DOC ID: 118364 IMAGED  
DATE: 1/8/1999 PAGES: 2  
AUTHOR(S): Colin Wagoner/Ridolfi Engineers & Associates, Inc. ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of ground water modeling scenarios memo.

2. 10. 4. 1. Vol. 1 - 1091182 DOC ID: 118536 IMAGED  
DATE: 2/11/1999 PAGES: 2  
AUTHOR(S): ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Unknown

DESCRIPTION: Comments on the Draft Ground-Water Flow and Solute Transport Modeling.

2. 10. 4. 1. Vol. 1 - 1070563 DOC ID: 118366 IMAGED  
DATE: 4/2/1999 PAGES: 5  
AUTHOR(S): Peter Contreras/EPA ADDRESSEE(S): Colin Wagoner/Ridolfi Engineers & Associates, Inc.

DESCRIPTION: Fax transmittal of comments regarding the groundwater modeling report.

2. 10. 4. 1. Vol. 1 - 1070564 DOC ID: 118371 IMAGED  
DATE: 4/12/1999 PAGES: 2  
AUTHOR(S): Leslie Major/Pacific Groundwater Group ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Email regarding a transport model in the draft modeling report.

2. 10. 4. 1. Vol. 1 - 1070565 DOC ID: 118377 IMAGED  
DATE: 4/13/1999 PAGES: 3  
AUTHOR(S): Leslie Major/Pacific Groundwater Group ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Email regarding limitations of the modeling in the draft modeling report.

2. 10. 4. 1. Vol. 1 - 1070566 DOC ID: 118378 IMAGED  
DATE: 4/14/1999 PAGES: 3  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology ADDRESSEE(S): Peter Contreras/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter transmitting comments on the Draft Ground-Water Flow and Solute Transport Modeling dated 2/11/1999, prepared by ICF Kaiser Engineers, Inc.

2. 10. 4. 1. Vol. 1 - 1070567 DOC ID: 118379 IMAGED  
DATE: 4/14/1999 PAGES: 4  
AUTHOR(S): Leslie Major/Pacific Groundwater Group  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Email conveying concerns about the zone of high concentration discovered at the surface of the aquitard.

2. 10. 4. 1. Vol. 1 - 1070568 DOC ID: 118384 IMAGED  
DATE: 4/20/1999 PAGES: 2  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Email regarding the delay of getting modeling completed.

2. 10. 4. 1. Vol. 1 - 1070569 DOC ID: 118385 IMAGED  
DATE: 4/28/1999 PAGES: 1  
AUTHOR(S): Colin Wagoner/Ridolfi Engineers & Associates, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting copies of the Ground-water Flow and Transport Modeling Report (less attachments).

2. 10. 4. 1. Vol. 1 - 1070570 DOC ID: 118386 IMAGED  
DATE: 4/29/1999 PAGES: 6  
AUTHOR(S): Steven D. Acree/EPA  
ADDRESSEE(S): Bernard Zavala/EPA  
Randall R. Ross/EPA

DESCRIPTION: Memo providing comments on the draft Ground-water Flow and Solute Transport Modeling.

2. 10. 4. 1. Vol. 1 - 1091184 DOC ID: 118540 IMAGED  
DATE: 5/17/1999 PAGES: 3  
AUTHOR(S): Colin Wagoner/Ridolfi Engineers & Associates, Inc.  
ADDRESSEE(S): Eric Harmsen/ICF Kaiser Engineers Group, Inc.

DESCRIPTION: E-mail providing comments regarding the February draft of the groundwater modeling report.

2. 10. 4. 1. Vol. 1 - 1091185 DOC ID: 118543 IMAGED  
DATE: 5/19/1999 PAGES: 5  
AUTHOR(S): Colin Wagoner/Ridolfi Engineers & Associates, Inc.  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail providing response to comments regarding the groundwater modeling report.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 10. 4. 1. Vol. 1 - 1091186 DOC ID: 118544 IMAGED  
DATE: 5/20/1999 PAGES: 2  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail providing comments on the groundwater model.

2. 10. 4. 1. Vol. 1 - 1070767 DOC ID: 119920 IMAGED  
DATE: 7/14/1999 PAGES: 4  
AUTHOR(S): Ted Etheridge/Unknown  
ADDRESSEE(S): Bernard Zavala/EPA

DESCRIPTION: Email transmitting responses to EA Engineering, Science, & Technology's comments on the Ground Water Modeling Report.

**SUB-HEAD: 2. 10. 4. 2. Vol. 1 - Groundwater Modeling Report**

2. 10. 4. 2. Vol. 1 - 1091123 DOC ID: 118390 IMAGED  
DATE: 11/1/1997 PAGES: 10  
AUTHOR(S): ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): EPA

DESCRIPTION: Draft Technical Memorandum - Modeling of Site Characteristics.

2. 10. 4. 2. Vol. 1 - 1070760 DOC ID: 118392 IMAGED  
DATE: 4/28/1999 PAGES: 132  
AUTHOR(S): ICF Kaiser Engineers Group, Inc.  
ADDRESSEE(S): EPA

DESCRIPTION: Ground-Water Flow and Solute Transport Modeling report.

**SUB-HEAD: 2. 11. . . Vol. 1 - Proposed Plan**

2. 11. . . Vol. 1 - 1070781 DOC ID: 120011 IMAGED  
DATE: 8/6/1999 PAGES: 20  
AUTHOR(S): EPA  
ADDRESSEE(S): Unknown

DESCRIPTION:

2. 11. . . Vol. 1 - 1097952 DOC ID: 129369 IMAGED  
DATE: 8/16/1999 PAGES: 6  
AUTHOR(S): EPA  
ADDRESSEE(S): Unknown

DESCRIPTION: Proposed Plan meeting overheads.

2. 11. . . Vol. 1 - 1097953 DOC ID: 129370 IMAGED  
DATE: 8/17/1999 PAGES: 18  
AUTHOR(S): Roseanna Bryan/Rider & Associates  
ADDRESSEE(S): Unknown

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Boomsnub/BOC Gases Proposed Plan public meeting transcript.

**SUB-HEAD: 2. 12. . . Vol. 1 - Comments/Evaluations and Responses**

2. 12. . . Vol. 1 - 1097955 DOC ID: 129376 IMAGED  
DATE: 6/29/1999 PAGES: 1  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Boomsnub Peer Review signature/attendance sheet.

2. 12. . . Vol. 1 - 1097959 DOC ID: 129386 IMAGED  
DATE: 7/14/1999 PAGES: 2  
AUTHOR(S): Sue Kinish/Bonneville Power Administration ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail providing comments on the Boomsnub Draft Feasibility Study.

2. 12. . . Vol. 1 - 1097958 DOC ID: 129383 IMAGED  
DATE: 7/16/1999 PAGES: 2  
AUTHOR(S): Daniel Thornton/EPA ADDRESSEE(S): Peter Contreras/EPA  
Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail comments regarding the Boomsnub Proposed Plan review.

2. 12. . . Vol. 1 - 1097968 DOC ID: 129430 IMAGED  
DATE: 8/10/1999 PAGES: 2  
AUTHOR(S): Carrie Kraten/Unknown ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail regarding Boomsnub Proposed Cleanup Plan (with handwritten notes).

2. 12. . . Vol. 1 - 1097960 DOC ID: 129387 IMAGED  
DATE: 8/17/1999 PAGES: 1  
AUTHOR(S): EPA ADDRESSEE(S): Unknown

DESCRIPTION: Boomsnub/BOC Gases Proposed Plan Public Meeting Attendance Record.

2. 12. . . Vol. 1 - 1097961 DOC ID: 129389 IMAGED  
DATE: 8/31/1999 PAGES: 2  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, & Technology ADDRESSEE(S): Peter Contreras/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail regarding Pre-ROD changes and in-well-stripping.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

2. 12. . . . Vol. 1 - 1097962 DOC ID: 129390 IMAGED  
DATE: 9/1/1999 PAGES: 2  
AUTHOR(S): Sue Kinish/Bonneville Power Administration  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter expressing support for EPA preferred alternatives GW4 and S5.

2. 12. . . . Vol. 1 - 1097963 DOC ID: 129421 IMAGED  
DATE: 9/1/1999 PAGES: 1  
AUTHOR(S): Dan Heuvel/Heuvel Enterprises  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter expressing support for EPA preferred alternatives GW4 and S5.

2. 12. . . . Vol. 1 - 1097964 DOC ID: 129422 IMAGED  
DATE: 9/3/1999 PAGES: 3  
AUTHOR(S): Glenn A. Hayman/EA Engineering, Science, &  
Technology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter transmitting comments on the Proposed Plan for the Boomsnub/Airco site.

**HEADING: 3. 0. . . RECORD OF DECISION**

**SUB-HEAD: 3. 1. . . Vol. 1 - Record of Decision**

3. 1. . . Vol. 1 - 1090265 DOC ID: 131034 IMAGED  
DATE: 1/24/2000 PAGES: 2  
AUTHOR(S): James J. Pendowski/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter concurring with the Boomsnub/Airco Superfund Site Record of Decision.

3. 1. . . Vol. 1 - 1090263 DOC ID: 131033 IMAGED  
DATE: 2/3/2000 PAGES: 113  
AUTHOR(S): Charles Clarke/EPA  
ADDRESSEE(S): Unknown

DESCRIPTION: Record of Decision - Boomsnub/Airco Superfund Site.

**HEADING: 6. 0. . . REMEDIAL ACTION**

**SUB-HEAD: 6. 2. . . Vol. 1 - Sampling Data**

**SUB-HEAD: 6. 2. 2. . Vol. 1 - Monthly Monitoring Reports**

6. 2. 2. . Vol. 1 - 1070610 DOC ID: 118551 IMAGED  
DATE: 2/19/1997 PAGES: 8  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Ann Williamson/EPA

DESCRIPTION: January 1997 Monthly Extraction Well and System Monitoring Report for the groundwater extraction and treatment system.

6. 2. 2. . Vol. 1 - 1070596 DOC ID: 118482 IMAGED  
DATE: 11/3/1998 PAGES: 125  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: September 1998 Monthly Extraction Well and System Monitoring Report for the groundwater extraction and treatment system.

**SUB-HEAD: 6. 2. 2. 1. Vol. 1 - Monitoring Summaries**

6. 2. 2. 1. Vol. 1 - 1070584 DOC ID: 118483 IMAGED  
DATE: 9/26/1997 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Cover letter and summary part of the August 1997 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070585 DOC ID: 118484 IMAGED  
DATE: 10/21/1997 PAGES: 11  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Cover letter and summary part of the September 1997 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070586 DOC ID: 118485 IMAGED  
DATE: 11/20/1997 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Cover letter and summary part of the October 1997 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070587 DOC ID: 118486 IMAGED  
DATE: 1/7/1998 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Cover letter and summary part of the December 1997 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070588 DOC ID: 118488 IMAGED  
DATE: 2/19/1998 PAGES: 8  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Cover letter and summary part of the January 1998 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070589 DOC ID: 118489 IMAGED  
DATE: 3/16/1998 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Cover letter and summary part of the February 1998 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070553 DOC ID: 118352 IMAGED  
DATE: 4/10/1998 PAGES: 5  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Cover letter and summary part of the March 1998 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070555 DOC ID: 118353 IMAGED  
DATE: 5/5/1998 PAGES: 8  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Cover letter and summary part of the April 1998 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070590 DOC ID: 118490 IMAGED  
DATE: 7/7/1998 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover letter and summary part of the June 1998 Monthly Extraction Well and System Monitoring Report.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

6. 2. 2. 1. Vol. 1 - 1070591 DOC ID: 118491 IMAGED  
DATE: 8/24/1998 PAGES: 6  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover letter and summary part of the July 1998 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070592 DOC ID: 118492 IMAGED  
DATE: 8/27/1998 PAGES: 1  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Bernard Zavala/EPA

DESCRIPTION: Email notifying of a misidentified sample in the monthly Extraction Well and System Monitoring Report dated 8/24/1998.

6. 2. 2. 1. Vol. 1 - 1070593 DOC ID: 118493 IMAGED  
DATE: 9/22/1998 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover letter and summary part of the August 1998 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070594 DOC ID: 118494 IMAGED  
DATE: 11/19/1998 PAGES: 4  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover letter and summary part of the October 1998 Monthly Extraction Well and System Monitoring Report.

6. 2. 2. 1. Vol. 1 - 1070595 DOC ID: 118495 IMAGED  
DATE: 12/10/1998 PAGES: 3  
AUTHOR(S): John Frerich/ICF Kaiser Engineers Group, Inc. ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover letter and summary part of the November 1998 Monthly Extraction Well and System Monitoring Report.

**SUB-HEAD: 6. 2. 9. . Vol. 1 - Toe of Plume Sampling**

6. 2. 9. . Vol. 1 - 1083354 DOC ID: 105705 IMAGED  
DATE: PAGES: 1  
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Monthly data for monitoring wells MW-31 and MW-32.

6. 2. 9. . Vol. 1 - 1083341 DOC ID: 105706 IMAGED  
DATE: 4/28/1998 PAGES: 12  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Laura Castrilli/EPA

Anne Dailey/EPA

DESCRIPTION: Memorandum containing quality assurance review of ICP-AES total chromium analyses of 04/06/1998 water samples.

6. 2. 9. . Vol. 1 - 1083342 DOC ID: 105707 IMAGED  
DATE: 5/11/1998 PAGES: 33  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Anne Dailey/EPA

DESCRIPTION: Memo: Data Validation Report for Volatile Organic Analysis (VOA) of 11 water samples.

6. 2. 9. . Vol. 1 - 1083343 DOC ID: 105708 IMAGED  
DATE: 5/14/1998 PAGES: 18  
AUTHOR(S): ADDRESSSEE(S):  
Laura Castrilli/EPA Anne Dailey/EPA

DESCRIPTION: Memo containing quality assurance review of ICP-AES and ICP-MS total metals analyses of eight water samples.

6. 2. 9. . Vol. 1 - 1083344 DOC ID: 105709 IMAGED  
DATE: 6/8/1998 PAGES: 16  
AUTHOR(S): ADDRESSSEE(S):  
Laura Castrilli/EPA Anne Dailey/EPA

DESCRIPTION: Memo containing a quality assurance review of ICP-AES and ICP-MS total metals analyses of six water samples.

6. 2. 9. . Vol. 1 - 1083346 DOC ID: 105710 IMAGED  
DATE: 7/13/1998 PAGES: 47  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Memo: Data Validation Report for Volatile Organic Analysis (VOA) of 12 water samples.

6. 2. 9. . Vol. 1 - 1083347 DOC ID: 105711 IMAGED  
DATE: 7/13/1998 PAGES: 26  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Memo: Data Validation Report for Volatile Organic Analysis (VOA) of 12 water samples.

6. 2. 9. . Vol. 1 - 1083348 DOC ID: 105712 IMAGED  
DATE: 7/14/1998 PAGES: 16  
AUTHOR(S): ADDRESSSEE(S):  
Laura Castrilli/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Memo containing quality assurance review of ICP-AES and ICP-MS total metals analyses of six water samples.  
3 1/2" floppy disk with instructions on opening it attached.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

6. 2. 9. . Vol. 1 - 1083349 DOC ID: 105713 IMAGED  
DATE: 7/27/1998 PAGES: 1  
AUTHOR(S): Michael M. Johnston/EPA  
ADDRESSEE(S): Unknown

DESCRIPTION: Memo transmitting a feedback form on final reports of analytical data generated at Manchester (less attachment).

6. 2. 9. . Vol. 1 - 1083350 DOC ID: 105714 IMAGED  
DATE: 7/27/1998 PAGES: 15  
AUTHOR(S): Laura Castrilli/EPA  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Memo containing a quality assurance review of ICP-AES and ICP-MS total metals analyses of six water samples.  
3 1/2" inch floppy disk with instructions on opening files are attached.

6. 2. 9. . Vol. 1 - 1083351 DOC ID: 105715 IMAGED  
DATE: 9/9/1998 PAGES: 24  
AUTHOR(S): Ginna Grepo-Grove/EPA  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Memo: Data Validation Report for Volatile Organic Analysis (VOA) of 6 water samples.

6. 2. 9. . Vol. 1 - 1083352 DOC ID: 105716 IMAGED  
DATE: 9/30/1998 PAGES: 35  
AUTHOR(S): Ginna Grepo-Grove/EPA  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Memo: Data Validation Report for Volatile Organic Analysis (VOA) of 9 water samples.

6. 2. 9. . Vol. 1 - 1083357 DOC ID: 105717 IMAGED  
DATE: 10/7/1998 PAGES: 17  
AUTHOR(S): Laura Castrilli/EPA  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Memo containing a quality assurance review of ICP-AES and ICP-MS total metals analyses of six water samples.  
3 1/2" floppy disk with instructions on opening it are attached.

6. 2. 9. . Vol. 1 - 1083353 DOC ID: 105718 IMAGED  
DATE: 12/3/1998 PAGES: 1  
AUTHOR(S): Deborah J. Yamamoto/EPA  
ADDRESSEE(S): File

DESCRIPTION: Memo stating the contents of the Toe of Plume file are monthly sampling data from ground-water monitoring wells located at the leading edge or "toe" of the ground-water contaminant plume.

**SUB-HEAD: 6. 7. . . Vol. 1 - Trip Reports**

6. 7. . . Vol. 1 - 1080370 DOC ID: 93786 IMAGED  
DATE: 1/27/1998 PAGES: 212  
AUTHOR(S):  
ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

John P. Frerich/ICF Technology, Inc.

Anne Dailey/EPA

DESCRIPTION: Biannual Groundwater Sampling Trip Report.

6. 7. . . . Vol. 1 - 1070581 DOC ID: 118424  
DATE: 10/9/1998 PAGES: 189

AUTHOR(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Deborah J. Yamamoto/EPA

DESCRIPTION: Biannual Ground-Water Sampling Final Trip Report for May 1998.

6. 7. . . . Vol. 1 - 1070606 DOC ID: 118528  
DATE: 4/20/1999 PAGES: 150

AUTHOR(S):  
John Frerich/ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
Deborah J. Yamamoto/EPA

DESCRIPTION: Final Biannual Ground-Water Sampling Trip Report for Fall 1998.

**SUB-HEAD: 6. 7. . . . Vol. 2 - Trip Reports**

6. 7. . . . Vol. 2 - 1070758 DOC ID: 119778 IMAGED  
DATE: 5/1/1999 PAGES: 749

AUTHOR(S):  
ICF Kaiser Engineers Group, Inc.

ADDRESSEE(S):  
EPA

DESCRIPTION: Trip Report for Installation of Monitoring Well MW-35 and Extraction Well MW-41 and Geoprobe Groundwater Sampling Between MW-35 and NE 30th Street.

**SUB-HEAD: 6. 7. 1. . . Vol. 1 - Data Validation Memos**

6. 7. 1. . . Vol. 1 - 1070597 DOC ID: 118514 IMAGED  
DATE: 11/3/1997 PAGES: 5

AUTHOR(S):  
Ginna Grepo-Grove/EPA

ADDRESSEE(S):  
Anne Dailey/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a Data Validation Report for Volatile Organic Analysis (VOA) of Samples.

6. 7. 1. . . Vol. 1 - 1070598 DOC ID: 118519 IMAGED  
DATE: 11/7/1997 PAGES: 5

AUTHOR(S):  
Ginna Grepo-Grove/EPA

ADDRESSEE(S):  
Anne Dailey/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a Data Validation Report for Volatile Organic Analysis (VOA) of samples from bi-annual site monitoring.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

6. 7. 1. . Vol. 1 - 1070599 DOC ID: 118520 IMAGED  
DATE: 11/19/1997 PAGES: 6  
AUTHOR(S): Ginna Grepo-Grove/EPA ADDRESSEE(S): Anne Dailey/EPA  
Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a data validation report for Volatile Organic Analysis (VOA) of Samples from the bi-annual site monitoring.

6. 7. 1. . Vol. 1 - 1070600 DOC ID: 118521 IMAGED  
DATE: 11/21/1997 PAGES: 6  
AUTHOR(S): Ginna Grepo-Grove/EPA ADDRESSEE(S): Anne Dailey/EPA  
Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a data validation report for inorganic analysis of samples from the bi-annual site monitoring.

6. 7. 1. . Vol. 1 - 1070601 DOC ID: 118522 IMAGED  
DATE: 4/28/1998 PAGES: 1  
AUTHOR(S): Laura Castrilli/EPA ADDRESSEE(S): Anne Dailey/EPA

DESCRIPTION: Email regarding sample containers without station locations.

6. 7. 1. . Vol. 1 - 1070579 DOC ID: 118400 IMAGED  
DATE: 7/7/1998 PAGES: 9  
AUTHOR(S): Ginna Grepo-Grove/EPA ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from the Spring 1998 Biannual Volatile Organic Analysis (VOA) data validation report.

6. 7. 1. . Vol. 1 - 1070577 DOC ID: 118398 IMAGED  
DATE: 7/15/1998 PAGES: 5  
AUTHOR(S): Laura Castrilli/EPA ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a data validation report for quality assurance review of ICP-AES and ICP-MS total metals analyses of forty water samples.

6. 7. 1. . Vol. 1 - 1070578 DOC ID: 118399 IMAGED  
DATE: 7/15/1998 PAGES: 5  
AUTHOR(S): Laura Castrilli/EPA ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from the Spring 1998 Biannual Total Metals Data Validation Report.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

6. 7. 1. . Vol. 1 - 1070602 DOC ID: 118523 IMAGED  
DATE: 9/8/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Memo providing an addendum to the Data Validation Report dated 3/23/1998.

6. 7. 1. . Vol. 1 - 1070603 DOC ID: 118525 IMAGED  
DATE: 10/21/1998 PAGES: 4  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a Data Validation Report for the Volatile Organic Analysis (VOA) of Split Water Samples.

6. 7. 1. . Vol. 1 - 1070583 DOC ID: 118429 IMAGED  
DATE: 12/8/1998 PAGES: 5  
AUTHOR(S): ADDRESSSEE(S):  
Laura Castrilli/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a Biannual Total Metals - Water Data Validation.

6. 7. 1. . Vol. 1 - 1070604 DOC ID: 118526 IMAGED  
DATE: 12/8/1998 PAGES: 5  
AUTHOR(S): ADDRESSSEE(S):  
Laura Castrilli/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a Biannual Total Metals - water data validation.

6. 7. 1. . Vol. 1 - 1070605 DOC ID: 118527 IMAGED  
DATE: 12/15/1998 PAGES: 10  
AUTHOR(S): ADDRESSSEE(S):  
Ginna Grepo-Grove/EPA Deborah J. Yamamoto/EPA

DESCRIPTION: Cover memo from a Data Validation Report for Volatile Organic Analysis (VOA).

**HEADING: 8. 0. . . STATE INVOLVEMENT/COORDINATION**

**SUB-HEAD: 8. 1. . . Vol. 1 - Correspondence**

**SUB-HEAD: 8. 1. 1. . Vol. 1 - Formal Correspondence**

8. 1. 1. . Vol. 1 - 1070341 DOC ID: 116762 IMAGED  
DATE: 8/27/1997 PAGES: 5  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter submitting comments on the Work Plan and the Sampling and Analysis Plan for the Remedial Investigation/Feasibility Study.

8. 1. 1. . Vol. 1 - 1070342 DOC ID: 116763 IMAGED  
DATE: 9/2/1997 PAGES: 2  
AUTHOR(S): Robert M. Duff/Washington State Dept. of Health  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Letter submitting comments on the Work Plan and the Sampling and Analysis Plan for the Remedial Investigation/Feasibility Study.

8. 1. 1. . Vol. 1 - 1070377 DOC ID: 117043 IMAGED  
DATE: 3/5/1998 PAGES: 2  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the Treatability Study Work Plan and approval for the infiltration step test.

8. 1. 1. . Vol. 1 - 1070376 DOC ID: 117042 IMAGED  
DATE: 6/15/1998 PAGES: 3  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the May 1998 Preliminary Site Characterization Report.

8. 1. 1. . Vol. 1 - 1070425 DOC ID: 117362 IMAGED  
DATE: 7/16/1998 PAGES: 4  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Deborah J. Yamamoto/EPA

DESCRIPTION: Letter containing comments on the Human Health and Ecological Baseline Risk Assessment dated 6/1998.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

8. 1. 1. . Vol. 1 - 1070426 DOC ID: 117363 IMAGED  
DATE: 8/28/1998 PAGES: 3  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the Technical Memorandum on Developing Remedial Alternatives (Revision 0) dated 8/1998.

8. 1. 1. . Vol. 1 - 1070379 DOC ID: 117045 IMAGED  
DATE: 10/12/1998 PAGES: 4  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the October 1998 Remedial Investigation Report (Revision 0).

8. 1. 1. . Vol. 1 - 1070427 DOC ID: 117364 IMAGED  
DATE: 1/22/1999 PAGES: 5  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the Feasibility Study Report (Revision 0) dated 12/1998.

8. 1. 1. . Vol. 1 - 1070544 DOC ID: 118231 IMAGED  
DATE: 3/30/1999 PAGES: 1  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail with a comment on the Treatability and Pilot Test Report.

8. 1. 1. . Vol. 1 - 1070428 DOC ID: 117365 IMAGED  
DATE: 4/12/1999 PAGES: 2  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the Human Health and Ecological Baseline Risk Assessment (Revision 1) dated 3/1999.

8. 1. 1. . Vol. 1 - 1070550 DOC ID: 118273 IMAGED  
DATE: 4/12/1999 PAGES: 3  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Email transmitting comments on the Human Health and Ecological Baseline Risk Assessment (Revision 1).

8. 1. 1. . Vol. 1 - 1070378 DOC ID: 117044 IMAGED  
DATE: 4/20/1999 PAGES: 3  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology  
ADDRESSEE(S): Peter Contreras/EPA

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter containing comments on the March 1999 Remedial Investigation Report (Revision 1).

8. 1. 1. . Vol. 1 - 1070429 DOC ID: 117366 IMAGED  
DATE: 5/19/1999 PAGES: 11  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of an article titled "Hydraulic and Geochemical Performance of a permeable Reactive Barrier Containing Zero-Valent Iron, Denver Federal Center".

8. 1. 1. . Vol. 1 - 1091187 DOC ID: 118546 IMAGED  
DATE: 5/19/1999 PAGES: 2  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: E-mail providing comments on the groundwater flow and transport modeling report.

8. 1. 1. . Vol. 1 - 1070768 DOC ID: 119924 IMAGED  
DATE: 6/2/1999 PAGES: 3  
AUTHOR(S): Dan Alexanian/Washington State Dept. of Ecology ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter containing comments on the Risk Assessment (Revision 1), the Feasibility Study Report (Revision 1), and the Remedial Investigation Report (Revision 2).

**HEADING: 9. 0. . . FEDERAL/MUNICIPAL/LOCAL GOVERNMENT INVOLVEMENT**

**SUB-HEAD: 9. 1. . . Vol. 1 - Correspondence**

9. 1. . . Vol. 1 - 1070343 DOC ID: 116764 IMAGED  
DATE: 9/9/1997 PAGES: 8  
AUTHOR(S): Chris V. Pitre/Pacific Groundwater Group  
ADDRESSEE(S): Richard Cyr/Clark County Dept. of Public Utilities

DESCRIPTION: Letter submitting comments on the Work Plan and the Sampling and Analysis Plan for the Remedial Investigation/Feasibility Study.

9. 1. . . Vol. 1 - 1070540 DOC ID: 118181 IMAGED  
DATE: 9/9/1997 PAGES: 9  
AUTHOR(S): Chris V. Pitre/Pacific Groundwater Group  
ADDRESSEE(S): Richard Cyr/Clark County Dept. of Public Utilities

DESCRIPTION: Letter submitting comments on the Work Plan and the Sampling and Analysis Plan for the Remedial Investigation/Feasibility Study (with marginalia).

9. 1. . . Vol. 1 - 1070430 DOC ID: 117367  
DATE: 11/19/1997 PAGES: 3  
AUTHOR(S): Dan Matlock/Pacific Groundwater Group  
ADDRESSEE(S): Richard Cyr/Clark County Dept. of Public Utilities

Chris V. Pitre/Pacific Groundwater Group

Dan Matlock/Pacific Groundwater Group Steve Prather/Clark County Dept. of Public Utilities

Chris V. Pitre/Pacific Groundwater Group

DESCRIPTION: Letter regarding a meeting with the EPA about recent activity related to the cleanup effort.

9. 1. . . Vol. 1 - 1070431 DOC ID: 117368  
DATE: 12/12/1997 PAGES: 4  
AUTHOR(S): Chris V. Pitre/Pacific Groundwater Group  
ADDRESSEE(S): Steve Prather/Clark County Dept. of Public Utilities

DESCRIPTION: Letter summarizing field activities associated with the abandonment of Clark Public Utilities monitoring well CPU-1.

9. 1. . . Vol. 1 - 1070383 DOC ID: 117081  
DATE: 10/27/1998 PAGES: 1  
AUTHOR(S): Lowell Weiss/Clark County Dept. of Public Utilities  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal requesting a written commitment from the EPA to produce a survey indicating all of its facilities on Clark County property.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

9. 1. . . . Vol. 1 - 1070384 DOC ID: 117082  
DATE: 11/4/1998 PAGES: 4

AUTHOR(S):  
Leslie Major/Pacific Groundwater Group

ADDRESSEE(S):  
Peter Contreras/EPA

Dan Matlock/Pacific Groundwater Group

DESCRIPTION: Letter providing comments on the Remedial Investigation Report.

9. 1. . . . Vol. 1 - 1070432 DOC ID: 117369  
DATE: 4/9/1999 PAGES: 2

AUTHOR(S):  
Glenn A. Hayman/EA Engineering, Science, &  
Technology

ADDRESSEE(S):  
Peter Contreras/EPA

Alison Montgomery/Unknown

Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail containing an agenda for a meeting with the sewer districts set for 4/22/1999.

9. 1. . . . Vol. 1 - 1070433 DOC ID: 117370  
DATE: 4/12/1999 PAGES: 5

AUTHOR(S):  
Leslie Major/Pacific Groundwater Group

ADDRESSEE(S):  
Steve Prather/Clark County Dept. of Public  
Utilities

Dan Matlock/Pacific Groundwater Group

DESCRIPTION: Letter providing an update on information contained in several reports prepared by ICF  
Kaiser Engineers.

**HEADING: 12. 0. . . ENFORCEMENT**

**SUB-HEAD: 12. 6. . . Vol. 1 - Property Access Agreements**

**SUB-HEAD: 12. 6. 3. . Vol. 1 - Clark County Public Works Property Access**

12. 6. 3. . Vol. 1 - 1070382 DOC ID: 117075

DATE: 10/9/1998 PAGES: 1

AUTHOR(S):  
Lowell Weiss/Clark County Dept. of Public Utilities

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Letter containing issues to be addressed before Request of Access to Property is authorized.

**HEADING: 14. 0. . . NATURAL RESOURCE TRUSTEES**

**SUB-HEAD: 14. 1. . . Vol. 1 - Correspondence**

14. 1. . . Vol. 1 - 1070545 DOC ID: 118232 IMAGED  
DATE: 8/19/1997 PAGES: 4  
AUTHOR(S): Preston A. Sleeper/U. S. Dept. of the Interior  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Fax transmittal of a letter regarding the review of the Remedial Investigation/Feasibility Study Workplan and Sampling and Analysis Plan.

14. 1. . . Vol. 1 - 1070386 DOC ID: 117094 IMAGED  
DATE: 9/4/1997 PAGES: 1  
AUTHOR(S): Stephen J. Zylstra/U. S. Fish & Wildlife Service  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter stating that the U. S. Fish & Wildlife Service has no comments regarding the August 1997 Remedial Investigation /Feasibility Study Workplan.

14. 1. . . Vol. 1 - 1070729 DOC ID: 119240 IMAGED  
DATE: 9/29/1998 PAGES: 2  
AUTHOR(S): Peter Contreras/EPA  
ADDRESSEE(S): Stephen J. Zylstra/U. S. Fish & Wildlife Service

DESCRIPTION: Letter transmitting a copy of the draft Human Health and Ecological Baseline Risk Assessment, Revision 0, dated 6/1998 (less attachment).

14. 1. . . Vol. 1 - 1070439 DOC ID: 117400  
DATE: 10/14/1998 PAGES: 1  
AUTHOR(S): Russel D. Petersen/U. S. Fish & Wildlife Service  
ADDRESSEE(S): Peter Contreras/EPA

DESCRIPTION: Letter acknowledging the receipt of a copy of the draft "Human Health and Ecological Baseline Risk Assessment", Revision 0, dated 6/1998.

**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 - 1071805 DOC ID: 109533 IMAGED  
DATE: 8/13/1997 PAGES: 1  
AUTHOR(S): ADDRESSSEE(S):  
Deborah J. Yamamoto/EPA Tom Taylor/Fort Vancouver Regional Library

DESCRIPTION: Transmittal letter for documents related to the Boomsnub site (less attachments).

16. 1. 1. . Vol. 1 - 1070551 DOC ID: 118285 IMAGED  
DATE: 10/1/1998 PAGES: 1  
AUTHOR(S): ADDRESSSEE(S):  
Deborah J. Yamamoto/EPA Michael S. Resh/Airco Industrial Gases

DESCRIPTION: Email regarding a meeting to update the Task Force.

16. 1. 1. . Vol. 1 - 1070390 DOC ID: 117099 IMAGED  
DATE: 10/27/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Peter Contreras/EPA Columbia Veterinary Center

DESCRIPTION: Letter enclosing ground water sampling results for addressee's well taken in March 1998 (less attachments).

16. 1. 1. . Vol. 1 - 1070744 DOC ID: 119451 IMAGED  
DATE: 10/27/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Peter Contreras/EPA Paul Bennett/Unknown

DESCRIPTION: Letter enclosing ground water sampling results for addressee's well taken in March 1998 (less attachments).  
Redacted version of Doc. No. 117096 contained in the site file.

16. 1. 1. . Vol. 1 - 1070343 DOC ID: 119455 IMAGED  
DATE: 10/27/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Peter Contreras/EPA Juanita Fitzgerald/Unknown

DESCRIPTION: Letter enclosing ground water sampling results for addressee's well taken in March 1998 (less attachments).  
Redacted version of Doc. No. 117098 contained in the site file.

16. 1. 1. . Vol. 1 - 1070342 DOC ID: 119456 IMAGED  
DATE: 10/27/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Peter Contreras/EPA

Edrie Horn/Unknown

DESCRIPTION: Letter enclosing ground water sampling results for addressee's well taken in March 1998 (less attachments).  
Redacted version of Doc. No. 117100 contained in the site file.

16. 1. 1. . Vol. 1 - 1070441 DOC ID: 117412 IMAGED  
DATE: 3/1/1999 PAGES: 1

AUTHOR(S):  
Carrie Kraten/Unknown

ADDRESSEE(S):  
Peter Contreras/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail regarding the securing of a room for the Hazel Dell Sewer District Meeting.

16. 1. 1. . Vol. 1 - 1070440 DOC ID: 117426 IMAGED  
DATE: 3/8/1999 PAGES: 2

AUTHOR(S):  
Carrie Kraten/Unknown

ADDRESSEE(S):  
Peter Contreras/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail regarding a forum to take place at the Hazel Dell Sewer District.

16. 1. 1. . Vol. 1 - 1070443 DOC ID: 117433 IMAGED  
DATE: 4/7/1999 PAGES: 2

AUTHOR(S):  
Carrie Kraten/Unknown

ADDRESSEE(S):  
Peter Contreras/EPA

Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail requesting another copy of an update.

16. 1. 1. . Vol. 1 - 1070444 DOC ID: 118276 IMAGED  
DATE: 4/8/1999 PAGES: 2

AUTHOR(S):  
Carrie Kraten/Unknown

ADDRESSEE(S):  
Peter Contreras/EPA

DESCRIPTION: Email regarding a request for information about logistics.

**SUB-HEAD: 16. 1. 2. . Vol. 1 - Meetings/Notes**

16. 1. 2. . Vol. 1 - 1070446 DOC ID: 117462 IMAGED  
DATE: 4/22/1999 PAGES: 2

AUTHOR(S):  
Clark County Citizen's Hazardous Waste Task Force

ADDRESSEE(S):  
Unknown

DESCRIPTION: Memo notifying of a forum on the status of cleanup activities.

16. 1. 2. . Vol. 1 - 1070447 DOC ID: 117466 IMAGED  
DATE: 5/4/1999 PAGES: 2

AUTHOR(S):

ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

Peter Contreras/EPA

File

Jean Baker/EPA

DESCRIPTION: Memo regarding EPA's public presentation of the Remedial Investigation and Feasibility Study at the Hazel Dell Sewer District.

**SUB-HEAD: 16. 5. . . Vol. 1 - Fact Sheets/Press Releases**

16. 5. . . Vol. 1 - 1037962 DOC ID: 41682 IMAGED  
DATE: 1/25/1995 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: Superfund Fact Sheet about completion of Boomsnub removal activities.

16. 5. . . Vol. 1 - 1030091 DOC ID: 41958 IMAGED  
DATE: 6/27/1996 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: Superfund Fact Sheet for Boomsnub/BOC Gases.

16. 5. . . Vol. 1 - 1030898 DOC ID: 72412 IMAGED  
DATE: 7/28/1997 PAGES: 3  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION:

16. 5. . . Vol. 1 - 1080424 DOC ID: 94298 IMAGED  
DATE: 3/3/1998 PAGES: 4  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: Fact Sheet regarding final cleanup procedures.

16. 5. . . Vol. 1 - 1085858 DOC ID: 103657 IMAGED  
DATE: 11/1/1998 PAGES: 4  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: Fact sheet regarding the groundwater extraction system, soil cleanup (Operable Unit 1), site-wide groundwater (Operable Unit 3) and BOC Gases removal action (Operable Unit 2).

16. 5. . . Vol. 1 - 1069285 DOC ID: 111057 IMAGED  
DATE: 3/1/1999 PAGES: 4  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Fact Sheet discussing activities near NE 30th Ave and BOC Gases Removal Action.

16. 5. . . Vol. 1 - 1070770 DOC ID: 119926 IMAGED  
DATE: 8/4/1999 PAGES: 7  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: EPA's Boomsnub mailing list.

**SUB-HEAD: 16. 9. . . Vol. 1 - Newspaper Articles**

16. 9. . . Vol. 1 - 1070449 DOC ID: 117478 IMAGED  
DATE: 11/12/1998 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Ellen M. Bishop/The Columbian Unknown

DESCRIPTION: Newspaper article: "Pollution Moving Toward Ground Water, EPA Says"

16. 9. . . Vol. 1 - 1070450 DOC ID: 117523 IMAGED  
DATE: 3/25/1999 PAGES: 1  
AUTHOR(S): ADDRESSSEE(S):  
Erik Robinson/The Columbian Unknown

DESCRIPTION: Newspaper article: "EPA digs in to head off toxic plume"

16. 9. . . Vol. 1 - 1097690 DOC ID: 128330 IMAGED  
DATE: 8/13/1999 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Erik Robinson/The Columbian Unknown

DESCRIPTION: News Article: EPA Steps up Hazel Dell Groundwater Cleanup.

16. 9. . . Vol. 1 - 1097965 DOC ID: 129426 IMAGED  
DATE: 8/16/1999 PAGES: 2  
AUTHOR(S): ADDRESSSEE(S):  
Moba Media Inc. Unknown

DESCRIPTION: Transcript of KGW-TV Channel 8 Portland news report regarding the EPA investigating Hazel Dell.

16. 9. . . Vol. 1 - 1097966 DOC ID: 129428 IMAGED  
DATE: 8/18/1999 PAGES: 4  
AUTHOR(S): ADDRESSSEE(S):  
Erik Robinson/The Columbian Unknown

DESCRIPTION: Newspaper Article: EPA's Plan for Cleanup of Pollution Applauded (from www.columbian.com).

**HEADING: 18. 0. . . GUIDANCE/REFERENCE MATERIAL**

**SUB-HEAD: 18. 1. . . Vol. 1 - EPA/State Guidance**

18. 1. . . Vol. 1 - 1070615 DOC ID: 118570 IMAGED  
DATE: 9/1/1993 PAGES: 8  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: EPA Presumptive Remedies: Policy and Procedures.

18. 1. . . Vol. 1 - 1070613 DOC ID: 118571 IMAGED  
DATE: 9/26/1994 PAGES: 6  
AUTHOR(S): ADDRESSSEE(S):  
David A. Bennett/EPA Unknown

DESCRIPTION: Feasibility Study Analysis and Administrative Record for Presumptive Remedies memorandum.

18. 1. . . Vol. 1 - 1070612 DOC ID: 118572 IMAGED  
DATE: 6/14/1995 PAGES: 12  
AUTHOR(S): ADDRESSSEE(S):  
James E. Costello/EPA EPA

George B. Wyeth/EPA

DESCRIPTION: Presumptive Remedies and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) memo.

18. 1. . . Vol. 1 - 1070616 DOC ID: 118574 IMAGED  
DATE: 10/1/1996 PAGES: 85  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: Presumptive Response Strategy and Ex-Situ Treatment Technologies for Contaminated Ground Water at CERCLA Sites Final Guidance.

18. 1. . . Vol. 1 - 1070614 DOC ID: 120017 IMAGED  
DATE: 4/28/1998 PAGES: 5  
AUTHOR(S): ADDRESSSEE(S):  
Frank J. Avvisato/EPA Unknown

Leslie Leahy/EPA

DESCRIPTION: Memo regarding presumptive remedies.

**SUB-HEAD: 18. 3. . . Vol. 1 - Technical Reference Material**

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

18. 3. . . Vol. 1 - 1070458 DOC ID: 117535 IMAGED  
DATE: PAGES: 7  
AUTHOR(S): ADDRESSEE(S):  
John A. Cherry/University of Waterloo Unknown

Robert W. Gillham/University of Waterloo

David W. Hubble/University of Waterloo

DESCRIPTION: Emplacement of Zero-valent Metal for Remediation of Deep Contaminant Plumes.

18. 3. . . Vol. 1 - 1070547 DOC ID: 118234 IMAGED  
DATE: PAGES: 4  
AUTHOR(S): ADDRESSEE(S):  
Metcalf & Eddy Unknown

DESCRIPTION: Pamphlet describing NoVOCs In-Well Stripping Technology.

18. 3. . . Vol. 1 - 1070546 DOC ID: 118233  
DATE: 11/19/1996 PAGES: 5  
AUTHOR(S): ADDRESSEE(S):  
Douglas X. Shattuck/Metcalf & Eddy Peter Contreras/EPA

DESCRIPTION: Letter providing information regarding the NoVOCs in-well stripping technology.

18. 3. . . Vol. 1 - 1070451 DOC ID: 117527 IMAGED  
DATE: 2/1/1997 PAGES: 14  
AUTHOR(S): ADDRESSEE(S):  
Battelle Armstrong Laboratory

DESCRIPTION: Design Guidance for Application of Permeable Barriers to Remediate Dissolved Chlorinated Solvents.

18. 3. . . Vol. 1 - 1070452 DOC ID: 117528 IMAGED  
DATE: 3/5/1997 PAGES: 9  
AUTHOR(S): ADDRESSEE(S):  
PRC Environmental Management, Inc. EPA

DESCRIPTION: Recent Developments for In Situ Treatment of Metal Contaminated Soils.

18. 3. . . Vol. 1 - 1030880 DOC ID: 72178 IMAGED  
DATE: 5/22/1997 PAGES: 2  
AUTHOR(S): ADDRESSEE(S):  
John P. Frerich/ICF Technology, Inc. Peter Contreras/EPA

DESCRIPTION: Transmittal of summary of meeting regarding NoVOCs presentation and its applicability to Boomsnub.

18. 3. . . Vol. 1 - 1070453 DOC ID: 117529 IMAGED  
DATE: 7/1/1997 PAGES: 4  
AUTHOR(S): ADDRESSEE(S):

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

EPA

Unknown

DESCRIPTION: Technology Fact Sheet: "Permeable Reactive Subsurface Barriers for the Interception and Remediation of Chlorinated Hydrocarbon and Chromium (VI) Plumes in Ground Water".

18. 3. . . Vol. 1 - 1070454 DOC ID: 117530 IMAGED  
DATE: 9/1/1997 PAGES: 16  
AUTHOR(S): ADDRESSSEE(S):  
EPA Unknown

DESCRIPTION: Environmental Research Brief: "Innovative Measures for Subsurface Chromium Remediation: Source Zone, Concentrated Plume, and Dilute Plume".

18. 3. . . Vol. 1 - 1070455 DOC ID: 117531 IMAGED  
DATE: 4/29/1998 PAGES: 80  
AUTHOR(S): ADDRESSSEE(S):  
KEECO EPA

DESCRIPTION: Packet of material relating to the KEECO company's technology to deal with heavy metal pollution in soil and water.

18. 3. . . Vol. 1 - 1070456 DOC ID: 117532 IMAGED  
DATE: 6/9/1998 PAGES: 6  
AUTHOR(S): ADDRESSSEE(S):  
Dan Alexanian/Washington State Dept. of Ecology Peter Contreras/EPA

Deborah J. Yamamoto/EPA

Bernard Zavala/EPA

DESCRIPTION: Fax transmittal of an article from Treatment Technology titled "In Situ Reactive Zones: Dehalogenation of Chlorinated Hydrocarbons".

18. 3. . . Vol. 1 - 1070457 DOC ID: 117534 IMAGED  
DATE: 9/16/1998 PAGES: 1  
AUTHOR(S): ADDRESSSEE(S):  
Dan Alexanian/Washington State Dept. of Ecology Deborah J. Yamamoto/EPA

DESCRIPTION: E-mail transmitting an article titled "Permeable Reactive Subsurface Barriers for the Interception and Remediation of Chlorinated Hydrocarbon and Chromium (VI) Plumes in Ground Water" (less attachment).

18. 3. . . Vol. 1 - 1070548 DOC ID: 118235 IMAGED  
DATE: 10/2/1998 PAGES: 11  
AUTHOR(S): ADDRESSSEE(S):  
Unknown Unknown

DESCRIPTION: Charts showing example results from several in-well stripping systems.

(BSGAR) BOOMSNUB/AIRCO - SOILS AND SITE-WIDE GW OUs ADMINISTRATIVE RECORD INDEX

18. 3. . . . Vol. 1 - 1070549 DOC ID: 118236 IMAGED  
DATE: 10/9/1998 PAGES: 16  
AUTHOR(S): Gaynor Dawson/Project Performance Corp. ADDRESSEE(S): Unknown

Tom McKeon/Project Performance Corp.

Stan R. Peterson/Project Performance Corp.

DESCRIPTION: Journal article: In-Situ Groundwater Remediation Using In-Well Stripping: Modeling, Design and Performance Data.