

TABLE OF CONTENTS
REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD (RMAR6)

November 29, 2006

2.0 - REMEDIAL INVESTIGATION/FEASIBILITY STUDY

- 2.1 - Correspondence
 - 2.1.1 - Formal Correspondence
- 2.11 - Proposed Plan

3.0 - RECORD OF DECISION

- 3.1 - Correspondence
- 3.3 - 2006 Record of Decision

4.0 - INTERIM REMEDIAL ACTION AND REMOVALS POST-NPL (12/16/94)

- 4.1 - Correspondence
- 4.3 - East Potliner Area Removal
- 4.7 - Company Lake Removal and Early Remedial Action
- 4.8 - Scrap Yard Removal
- 4.9 - South Landfill Remedial Action
- 4.10 - Reduction Plant Demolition and Post-Demolition Assessment
- 4.11 - Groundwater Water Focused Extraction/Production Well System
- 4.12 - Groundwater Monitoring
- 4.13 - Technical Impracticability Waiver Evaluation
- 4.14 - North Landfill Remedial Action

12.0 - ENFORCEMENT

- 12.1 - Correspondence
- 12.4 - Orders

16.0 - PUBLIC PARTICIPATION

- 16.5 - Fact Sheets/Press Releases

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

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

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

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

2. 11... Vol. 1 - DOC ID: 1240292 IMAGED
DATE: 8/1/2006 PAGES: 23
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Proposed Plan for Final Remedial Action: Reynolds Metals Superfund Site (tables and figures included on separate CD).

2. 11... Vol. 1 - DOC ID: 1240293 IMAGED
DATE: 8/1/2006 PAGES: 4
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Environmental Fact Sheet: Reynolds Metals Company.

HEADING: 3. 0... RECORD OF DECISION

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

3. 1... Vol. 1 - DOC ID: 1248737
DATE: 9/29/2006 PAGES:
AUTHOR(S): ADDRESSSEE(S):
Alan D. Kiphut/Oregon State Dept. of Environmental Quality Ronald A. Kreizenbeck/EPA

DESCRIPTION: State Concurrence on the Record of Decision for Final Remedial Action at the Reynolds Metals Company Site.

SUB-HEAD: 3. 3... Vol. 1 - 2006 Record of Decision

3. 3... Vol. 1 - DOC ID: 1248736
DATE: 9/29/2006 PAGES:
AUTHOR(S): ADDRESSSEE(S):
EPA Unknown

DESCRIPTION: Reynolds Metals Company Superfund Site, Troutdale, Oregon: Record of Decision for Final Remedial Action.

HEADING: 4. 0... INTERIM REMEDIAL ACTION AND REMOVALS POST-NPL

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

4. 1... Vol. 1 - 1026193 DOC ID: 1026193 IMAGED
DATE: 3/8/1995 PAGES: 14
AUTHOR(S): Chris D. Field/EPA ADDRESSEE(S): Randall F. Smith/EPA

DESCRIPTION: Action Memorandum: Request for a Removal Action at Reynolds Metals Co. (The Confidential page to this Action Memo is in a separate folder.)

4. 1... Vol. 1 - 1167758 DOC ID: 1167758 IMAGED
DATE: 3/17/1995 PAGES: 1
AUTHOR(S): Chris D. Field/EPA ADDRESSEE(S): Steven M. Shaw/Reynolds Metals Company

DESCRIPTION: Letter transmitting the March 8, 1995 Action Memorandum. (Less enclosure)

4. 1... Vol. 1 - 1167751 DOC ID: 1167751 IMAGED
DATE: 4/18/1995 PAGES: 3
AUTHOR(S): Steven M. Shaw/Reynolds Metals Company ADDRESSEE(S): Chris D. Field/EPA

DESCRIPTION: Letter transmitting reports documenting the second, third, and fourth cryolite spills.

4. 1... Vol. 1 - 1167752 DOC ID: 1167752 IMAGED
DATE: 7/5/1995 PAGES: 3
AUTHOR(S): William L. Carberry/Ecology & Environment, Inc. ADDRESSEE(S): Chris D. Field/EPA

DESCRIPTION: Memo regarding the soil cleanup level estimation in the East Potliner area.

4. 1... Vol. 1 - 1048492 DOC ID: 1048492 IMAGED
DATE: 1/24/1996 PAGES: 34
AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION: Synopsis of Removal Actions as of January 24, 1996.

4. 1... Vol. 1 - 1234128 DOC ID: 1234128 IMAGED
DATE: 8/1/2003 PAGES: 21
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Memorandum No. 26: Quality Assurance Program Plan for Early Remedial Action at Company Lake, North Landfill, and South Landfill.

4. 1... Vol. 1 - 1234208 DOC ID: 1234208 IMAGED
DATE: 4/26/2005 PAGES: 1
AUTHOR(S): Scott Dethloff/CH2M Hill, Inc. ADDRESSEE(S): Chip Humphrey/EPA

DESCRIPTION: Memo transmitting FE/PWO System Piping Alignment and Site Layout drawings. (Less attachments)

Note: Drawings are appended to the document titled: Specifications for Focused Extraction/Production Well Optimization System (DocID 1234211)

4. 1... Vol. 1 - DOC ID: 1234149 IMAGED
DATE: 9/30/2005 PAGES: 24

AUTHOR(S): Steven M. Shaw/Reynolds Metals Company
ADDRESSEE(S): Mavis Kent/Oregon State Dept. of Environmental Quality

Mark Stiffler/Alcoa, Inc.

Chip Humphrey/EPA

Steven M. Shaw/Reynolds Metals Company

DESCRIPTION: Memorandum WP No. 67: Post-Demolition Residual Risk Assessment Scoping Document.

SUB-HEAD: 4. 3... Vol. 1 - East Potliner Area Removal

4. 3... Vol. 1 - DOC ID: 1240274 IMAGED
DATE: 9/8/2003 PAGES: 25

AUTHOR(S): Tetra Tech, Inc.
ADDRESSEE(S): Mavis Kent/Oregon State Dept. of Environmental Quality

Kristin Nadermann/Reynolds Metals Company

DESCRIPTION: Transmittal letter with Spent Potliner Management Plan for RMC Troutdale Facility Demolition Project.

SUB-HEAD: 4. 7... Vol. 1 - Company Lake Removal and Early Remedial Action

4. 7... Vol. 1 - DOC ID: 1167983 IMAGED
DATE: 9/7/2001 PAGES: 23

AUTHOR(S): Anthony Barber/EPA
ADDRESSEE(S): Michael F. Gearheard/EPA

DESCRIPTION: Action Memorandum: Request for a Removal Action at the Reynolds Metals NPL Superfund Site (Company Lake).

4. 7... Vol. 1 - DOC ID: 1150628 IMAGED
DATE: 4/25/2002 PAGES: 148

AUTHOR(S): Peter Jowise/Herrera Environmental Consultants, Inc.
ADDRESSEE(S): Michael J. Szerlog/EPA

DESCRIPTION: Removal Action Report (Part A - Company Lake); TDD: 01-09-0005.

4. 7... Vol. 1 - DOC ID: 1240276 IMAGED
DATE: 7/14/2005 PAGES: 6

AUTHOR(S): Steven M. Shaw/Reynolds Metals Company
ADDRESSEE(S): Paul Seidel/Oregon State Dept. of Environmental Quality

Mavis Kent/Oregon State Dept. of Environmental Quality

DESCRIPTION: Memorandum No. 36: RMC-Troutdale Company Lake: Post-Remediation Data Evaluation Relative to Sediment Benchmarks.

(RMAR6) REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD INDEX

4. 7... Vol. 1 - DOC ID: 1234129 IMAGED
DATE: 2/1/2006 PAGES: 111
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Final Report for Company Lake Early Remedial Action. Appendix C to this report is on an accompanying CD ROM.
Note: CD ROM, Appendix C (2004 Waste Manifests) accompanies this report.

SUB-HEAD: 4. 8... Vol. 1 - Scrap Yard Removal

4. 8... Vol. 1 - DOC ID: 1167984 IMAGED
DATE: 9/7/2001 PAGES: 23
AUTHOR(S): Anthony Barber/EPA ADDRESSEE(S): Michael F. Gearheard/EPA

DESCRIPTION: Action Memorandum: Request for a Removal Action at the Reynolds Metals NPL Superfund Site (Scrap Yard).

4. 8... Vol. 1 - DOC ID: 1167985 IMAGED
DATE: 10/24/2003 PAGES: 121
AUTHOR(S): Peter Jowise/Herrera Environmental Consultants, Inc. ADDRESSEE(S): Anthony Barber/EPA

DESCRIPTION: Removal Action Report (Part B - Scrap Yard); TDD: 01-09-0005.

4. 8... Vol. 1 - DOC ID: 1234125 IMAGED
DATE: 5/1/2005 PAGES: 25
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: 2004 Scrap Yard Removal Action Final Report. Appendices B through G are on a separate CD ROM.
Note: A CD ROM with Appendices B through G accompanies this report.

SUB-HEAD: 4. 9... Vol. 1 - South Landfill Remedial Action

4. 9... Vol. 1 - DOC ID: 1234133 IMAGED
DATE: 5/1/2006 PAGES: 51
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: South Landfill Remedial Action Final Report. Appendices C and D of this Report are on CD ROM.
Note: A CD ROM accompanies this report.

4. 9... Vol. 1 - DOC ID: 1234134 IMAGED
DATE: 5/1/2006 PAGES: 1
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: CD ROM: Appendices C and D of the South Landfill Remedial Action Final Report.
Note: This CD ROM accompanies the South Landfill Remedial Action Final Report.

SUB-HEAD: 4. 10... Vol. 1 - Reduction Plant Demolition and Post-Demolition Assessment

(RMAR6) REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD INDEX

4. 10... Vol. 1 - DOC ID: 1234142 IMAGED
DATE: 4/1/2004 PAGES: 329
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S):
EPA

DESCRIPTION:
Demolition Plan, Revision 1.

4. 10... Vol. 1 - DOC ID: 1240277 IMAGED
DATE: 4/1/2004 PAGES: 13
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S):
EPA

Reynolds Metals Company

DESCRIPTION:
Response to EPA Comments on the 12/02 Draft Demolition Plan.

4. 10... Vol. 1 - DOC ID: 1234209 IMAGED
DATE: 8/25/2004 PAGES: 20
AUTHOR(S): Steven M. Shaw/Reynolds Metals Company ADDRESSEE(S):
Mavis Kent/Oregon State Dept. of Environmental
Quality
Chip Humphrey/EPA

DESCRIPTION:
Memorandum WP No. 62: Post-Demolition Remedial Investigation and Risk Assessment Work Plan.

4. 10... Vol. 1 - DOC ID: 1234210 IMAGED
DATE: 6/1/2005 PAGES: 166
AUTHOR(S): Jennifer Fadden/Tetra Tech EC, Inc. ADDRESSEE(S):
Mark A. Stiffler/Alcoa, Inc.

DESCRIPTION:
RCRA Closure Report for the RMC Troutdale Facility (Building 98, Generator Containment Building for Spent Potliner Waste)

4. 10... Vol. 1 - DOC ID: 1234144 IMAGED
DATE: 5/1/2006 PAGES: 601
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S):
EPA

DESCRIPTION:
Appendix to the Post-Demolition Remedial Investigation Report: Data and Removal Action Reports.

4. 10... Vol. 1 - DOC ID: 1234145 IMAGED
DATE: 6/1/2006 PAGES: 38
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S):
EPA

DESCRIPTION:
Post-Demolition Remedial Investigation Report.

4. 10... Vol. 1 - DOC ID: 1234146 IMAGED
DATE: 6/1/2006 PAGES: 223
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S):
EPA

(RMAR6) REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD INDEX

DESCRIPTION: Post-Demolition Residual Risk Assessment.

SUB-HEAD: 4. 11... Vol. 1 - Groundwater Water Focused Extraction/Production Well System

4. 11... Vol. 1 - DOC ID: 1234150 IMAGED
DATE: 4/14/2004 PAGES: 17
AUTHOR(S): Steven M. Shaw/Reynolds Metals Company ADDRESSEE(S):
Chip Humphrey/EPA
Mavis Kent/Oregon State Dept. of Environmental Quality
Mark Stiffler/Alcoa, Inc. Chip Humphrey/EPA
Mavis Kent/Oregon State Dept. of Environmental Quality

DESCRIPTION: Memorandum WP No. 61: Work Plan for Focused Extraction Well Installation.

4. 11... Vol. 1 - DOC ID: 1234151 IMAGED
DATE: 1/31/2005 PAGES: 10
AUTHOR(S): Jason Cole/CH2M Hill, Inc. ADDRESSEE(S):
Steven M. Shaw/Reynolds Metals Company
Glen Lindgren/CH2M Hill, Inc.
Mark Stiffler/Alcoa, Inc.

Jason Cole/CH2M Hill, Inc.

DESCRIPTION: Memorandum GW No. 31: Basis for Design - Focused Extraction/Production Well Optimization System.

4. 11... Vol. 1 - DOC ID: 1234211 IMAGED
DATE: 4/1/2005 PAGES: 213
AUTHOR(S): Scott Dethloff/CH2M Hill, Inc. ADDRESSEE(S):
Unknown

George M. Drewett/CH2M Hill, Inc.

DESCRIPTION: Specifications for Focused Extraction/Production Well Optimization System for the RMC-Troutdale Facility.

4. 11... Vol. 1 - DOC ID: 1240275 IMAGED
DATE: 8/24/2005 PAGES: 12
AUTHOR(S): Mike Drewett/CH2M Hill, Inc. ADDRESSEE(S):
Mark A. Stiffler/Alcoa, Inc.
Steven M. Shaw/Reynolds Metals Company

Kira Sykes/CH2M Hill, Inc.

Mark A. Stiffler/Alcoa, Inc.

(RMAR6) REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD INDEX

Steven M. Shaw/Reynolds Metals Company

DESCRIPTION: Technical Memorandum GW No. 33: Operations Plan - Focused Extraction/Production Well Optimization System for the RMC-Troutdale Facility

4. 11... Vol. 1 - DOC ID: 1240278 IMAGED

DATE: 11/16/2005 PAGES: 22

AUTHOR(S): David Lacey/CH2M Hill, Inc. ADDRESSEE(S): Steven M. Shaw/Reynolds Metals Company

DESCRIPTION: Technical Memorandum GW No. 34: Decommissioning of Production Wells PW18 at the RMC-Troutdale Facility.

4. 11... Vol. 1 - DOC ID: 1234152 IMAGED

DATE: 11/30/2005 PAGES: 21

AUTHOR(S): Steven M. Shaw/Reynolds Metals Company ADDRESSEE(S): Chip Humphrey/EPA

Mark Stiffler/Alcoa, Inc.

Mavis Kent/Oregon State Dept. of Environmental Quality

Steven M. Shaw/Reynolds Metals Company

DESCRIPTION: Memorandum WP No. 69: Focused Extraction and Production Well Optimization System Startup Performance Monitoring Plan.

4. 11... Vol. 1 - DOC ID: 1234153 IMAGED

DATE: 11/30/2005 PAGES: 8

AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Technical Memorandum DM No. 69: Response to EPA Comments on Memorandum WP No. 69: Focused Extraction and Production Well Optimization System Startup Performance Monitoring Plan.

4. 11... Vol. 1 - DOC ID: 1240279 IMAGED

DATE: 6/27/2006 PAGES: 54

AUTHOR(S): Ken Trotman/CH2M Hill, Inc. ADDRESSEE(S): Chip Humphrey/EPA

Curt Black/EPA

Scott Dethloff/CH2M Hill, Inc.

Chip Humphrey/EPA

Curt Black/EPA

Kira Sykes/CH2M Hill, Inc.

Chip Humphrey/EPA

Curt Black/EPA

DESCRIPTION: Technical Memorandum GW No. 35: Focused Extraction/Production Well Optimization System Startup Performance Monitoring Results and Conclusions.

SUB-HEAD: 4. 12... Vol. 1 - Groundwater Monitoring

(RMAR6) REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD INDEX

4. 12... Vol. 1 - DOC ID: 1234154 IMAGED
DATE: 9/13/2005 PAGES: 3
AUTHOR(S): Chip Humphrey/EPA ADDRESSEE(S): Steven M. Shaw/Reynolds Metals Company

DESCRIPTION: Letter commenting on a review of the Sitewide Groundwater Monitoring Plan (2006 Through 2010).

4. 12... Vol. 1 - DOC ID: 1234155 IMAGED
DATE: 9/14/2005 PAGES: 13
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Technical Memorandum DM No. 3: Response to EPA Comments on the Sitewide Groundwater Monitoring Plan (2006 Through 2010).

4. 12... Vol. 1 - DOC ID: 1234156 IMAGED
DATE: 10/12/2005 PAGES: 38
AUTHOR(S): Mark Stiffler/Alcoa, Inc. ADDRESSEE(S): Mavis Kent/Oregon State Dept. of Environmental Quality
Chip Humphrey/EPA

Steven M. Shaw/Reynolds Metals Company

Mavis Kent/Oregon State Dept. of Environmental Quality

DESCRIPTION: Memorandum WP No. 68: Sitewide Groundwater Monitoring Plan (2006 Through 2010).

4. 12... Vol. 1 - DOC ID: 1234157 IMAGED
DATE: 12/6/2005 PAGES: 13
AUTHOR(S): Rob Healy/CH2M Hill, Inc. ADDRESSEE(S): Mark Stiffler/Alcoa, Inc.

Steven M. Shaw/Reynolds Metals Company

Chris Augustine/CH2M Hill, Inc.

Mark Stiffler/Alcoa, Inc.

Steven M. Shaw/Reynolds Metals Company

DESCRIPTION: Technical Memorandum GW No. 32: Groundwater Monitoring Well and Piezometer Decommissioning. Attachments 1, 2, 3, and 4 are contained in accompanying CD ROM. Note: A CD ROM accompanies this Technical Memorandum.

4. 12... Vol. 1 - DOC ID: 1234137 IMAGED
DATE: 2/1/2006 PAGES: 111
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Report: 2005 Annual Groundwater Monitoring Report.

SUB-HEAD: 4. 13... Vol. 1 - Technical Impracticability Waiver Evaluation

(RMAR6) REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD INDEX

4. 13... Vol. 1 - DOC ID: 1234136 IMAGED
DATE: 5/1/2006 PAGES: 72
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Technical Impracticability Waiver Evaluation Report.

SUB-HEAD: 4. 14... Vol. 1 - North Landfill Remedial Action

4. 14... Vol. 1 - DOC ID: 1240280 IMAGED
DATE: 3/28/2005 PAGES: 4
AUTHOR(S): Steven M. Shaw/Reynolds Metals Company ADDRESSEE(S): Chip Humphrey/EPA

DESCRIPTION: North Landfill Remedial Action Final Report.

HEADING: 12. 0... ENFORCEMENT

SUB-HEAD: 12. 1... Vol. 1 - Correspondence

SUB-HEAD: 12. 4... Vol. 1 - Orders

12. 4... Vol. 1 - DOC ID: 1159951 IMAGED
DATE: 7/17/2003 PAGES: 84
AUTHOR(S): ADDRESSSEE(S):
Michael F. Gearheard/EPA Reynolds Metals Company

DESCRIPTION: Unilateral Administrative Order For Remedial Action/Remedial Design.

12. 4... Vol. 1 - DOC ID: 1240281 IMAGED
DATE: 8/5/2005 PAGES: 34
AUTHOR(S): ADDRESSSEE(S):
EPA Alcoa, Inc.
Reynolds Metals Company

DESCRIPTION: Unilateral Administrative Order for Remedial Design and Remedial Action.

(RMAR6) REYNOLDS METALS COMPANY - REYNOLDS METALS 2006 ROD INDEX

HEADING: 16. 0... PUBLIC PARTICIPATION

SUB-HEAD: 16. 5... Vol. 1 - Fact Sheets/Press Releases