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5 Attorneys for Defendants T.W. Arman and  
6 Iron Mountain Mines, Inc.

7  
8 **UNITED STATES DISTRICT COURT**  
9 **EASTERN DISTRICT OF CALIFORNIA**  
10

11 UNITED STATES OF AMERICA,  
12  
13 Plaintiff,  
14  
15 v.  
16 IRON MOUNTAIN MINES, INC., and T.W.  
ARMAN, et al.,  
17  
18 Defendants.  
19  
20 STATE OF CALIFORNIA, On behalf of the  
California Department of Toxic Substances  
Control and the California Regional Water  
Quality Control Board for the Central Valley  
Region,  
21  
22 Plaintiff,  
23  
24 v.  
25 IRON MOUNTAIN MINES, INC., and T.W.  
ARMAN, et al.,  
26  
27 Defendants  
28  
29 AND RELATED COUNTER- AND THIRD-  
PARTY CLAIMS

Civil No. S-91-768 JAM-JFM

(Consolidated for all purposes with  
Civil No. S-91-1167 JAM-JFM)

**DECLARATION OF WILLIAM A.  
LOGAN, JR. IN SUPPORT OF *EX  
PARTE* APPLICATION FOR  
ORDER CONTINUING HEARING  
DATE ON THE UNITED STATES'  
MOTION FOR PARTIAL  
SUMMARY JUDGMENT**

Presented: September 18, 2009

Courtroom: 6

Before the Honorable John A. Mendez

1 I, William A. Logan Jr., declare:

2 1. I am an active member in good standing of the State Bar of California and the Bar of  
3 this Court and am a partner with Logan & Giles LLP (“Logan & Giles”). As shown in the context  
4 below, the statements made in this declaration are based on my personal knowledge.

5 2. In an e-mail sent September 10, 2009, I asked counsel for the United States whether he  
6 would stipulate to a continuance of the hearing on the United States’ motion for partial summary  
7 judgment. In an e-mail I received on September 11, 2009, counsel for the United States agreed to  
8 stipulate to continue the hearing on its motion to December 16, 2009, if defendants would agree that  
9 there response would be filed no later than November 24, 2009. True copies of those e-mails are  
10 attached hereto as Exhibit A.

11 3. Attached hereto as Exhibit B are true copies that I obtained from the EPA website  
12 purporting to set forth the index of the administrative record for the Iron Mountain site. Although  
13 this index may not be complete, *i.e.*, it may not identify the entire administrative record, it obviously  
14 presents (with no less than 2,400 documents) a monumental job in order to review and analyze it.  
15 Also, any meaningful review and analysis of the administrative record would undoubtedly require the  
16 additional time for the engagement of experts. In addition, the thousands of response cost entries  
17 over the course of many years would then need to be reviewed and analyzed relative to the  
18 administrative record. Without having undertaken the process, I would estimate that it could  
19 reasonably require many months to accomplish in order to present a meaningful response to the  
20 United States’ motion.

21 I declare under penalty of perjury under the laws of the United States of America that the  
22 foregoing is true and correct.

23 Executed this 18th day of September 2009, at Walnut Creek, California.

24  
25  
26 S/ \_\_\_\_\_  
William A. Logan, Jr.

LOGAN DECL.

EX. A

**From:** [Corcoran, Larry \(ENRD\)](#)  
**To:** [William Logan, Jr.;](#)  
**cc:** [Margarita Padilla; Sara Russell; estrada.Thelma@epa.gov;](#)  
**Subject:** RE: Motion to Withdraw  
**Date:** Friday, September 11, 2009 12:42:17 PM

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Mr. Logan:

You did not specify the amount of time to which you seek a stipulation. The United States will stipulate to move the hearing on its motion for partial summary judgment to December 16 if the defendants will agree to file their response no later than November 24, 2009. I hope this is helpful.

Larry Corcoran

---

**From:** William Logan, Jr. [mailto:[WAL@logan-giles.com](mailto:WAL@logan-giles.com)]  
**Sent:** Thursday, September 10, 2009 8:38 PM  
**To:** Corcoran, Larry (ENRD)  
**Cc:** Margarita Padilla; Sara Russell  
**Subject:** RE: Motion to Withdraw

[Mr. Corcoran,](#)

[Please advise if you will stipulate to a continued hearing date on the United States' motion for partial summary judgment that would \(1\) permit the Court to hearing our pending motion to withdraw and \(2\) thereafter allow adequate time to oppose the motion depending on how the Court rules on our motion.](#)

[It does appear quite apparent that your office has devoted many months and substantial resources to preparing the motion for partial summary judgment and that a material continuance of the hearing date is in order even were our office not to have a pending motion to withdraw.](#)

[Thank you,](#)

[Bill Logan](#)

William A. Logan, Jr.  
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2175 N. California Blvd., Suite 910  
Walnut Creek, CA 94596

**LOGAN DECL.**

**EX. B**



## Region 9: Superfund

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# IRON MOUNTAIN MINE

## Superfund Site

### September 1997 Record of Decision (part 1)

#### Administrative Record Index

To request copies of administrative record documents, an [electronic order form](#) is available.

The documents contained in this administrative record (AR) were used by the U.S. Environmental Protection Agency (EPA) in identifying appropriate remedial activities for the Record of Decision (ROD) signed by EPA on September 30, 1997. This ROD addresses sources in the Slickrock Creek watershed at the Iron Mountain Mine Superfund site near Redding, California. The original AR compilation and its first three supplements were referred to as "Spring Creek Debris Dam Operable Unit", because the documents supported EPA's 1994 Proposed Plan to enlarge the Spring Creek Debris Dam. For administrative convenience, Supplements 4-8 continued to be identified as "Spring Creek Debris Dam Operable Unit" even though the Proposed Plan for May 1996 did not propose enlargement or modification of the dam. With this final supplement and the signing of ROD4, however, the administrative record has finally adopted its current, more accurate title. Key documents in this administrative record include the 1994 Proposed Plan (AR #355), the 1996 Proposed Plan (AR #1424), EPA's response to comments (AR #2396 - #2400) and the ROD (AR #2395).

Eight previous administrative records are included by reference in this September 1997 Record of Decision administrative record: the October 1986 Record of Decision AR, the 1988 Removal AR, the Administrative Order 89-18 AR, the Administrative Order 91-07 AR, the Boulder Creek Operable Unit, September 1992 Record of Decision AR, the Unilateral Administrative Order 92-96 AR, the Old/#8 Mine Seep OU AR, and the Flat Creek Bridge Removal Action AR.

The administrative record file was added to as documents became available. The file was updated in nine supplements and contains 2400 documents (not including documents incorporated by reference). The cumulative index lists the documents in ascending chronological order.

The list of U.S. Environmental Protection Agency guidance documents which were considered or relied upon in the selection of the remedy are documents AR #28, #1281 and #1677. Copies of the guidance documents are contained in the Compendium of CERCLA Response Selection Guidance Documents located in the Region 9 Superfund Records Center.

March 4, 1998

#### List of Abbreviations and Acronyms Used in Administrative Record Index

Abbreviation	Meaning
ACS	American Chemical Society
ADS	Advanced Drainage Systems, Inc.
AIDS	Auto Immune Deficiency Syndrome
AIME	American Institute of Mining, Metallurgical and Petroleum Engineers
AMD	Acid Mine Drainage

AMS	Acid Mine Spillage
AO	Administrative Order
APCO	Air Pollution Control Officer
ASM	Aerated Simple Mix
Assoc	Associates
ATSDR	Agency for Toxic Substances and Disease Registry
attch	attachment
BCMO	Mouth of Boulder Creek
BFP	Brick Flat Pit
BHP	Company name
BLM	Bureau of Land Management
BOR	Bureau of Reclamation (U.S. Department of Interior)
CA	Cooperative Agreement or State of California
CADD	Computer Aided Design
CADOWR	California Department of Water Resources
CaO	Calcium Oxide
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
CFR	Code of Federal Regulations
CH2M Hill	Environmental Company
CIM	Canadian Institute of Mining
Co	Company
CONCEPTC	Conceptual Design Concurrence
CR	Contaminant Resistant
CRWQCB	California Regional Water Quality Control Board
CrystaBOND	Trademark
CVP	Central Valley Project
DFG	Department of Fish and Game
DNA	Deoxyribonucleic Acid
DOJ	Department of Justice
DTSC	California Department of Toxic Substances Control
E&MJ	Engineering and Mining Journal
EA	Environmental Analysis
EBMUD	East Bay Municipal Utilities District
EIMCO	Company name
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
encl	enclosure
EPA	Environmental Protection Agency
ESU	Evolutionarily Significant Unit
FFS	Focus Feasibility Study
FLTb	Tributary to Flat Creek
FOIA	Freedom of Information Act
FORTTRAN	Programming language
fr	from

FS	Feasibility Study
FSA	Food Security Act
FSP	Field Sampling Plan
FY	Fiscal Year
GLC	Gas Liquid Chromatography
GSA	General Services Administration
HBMS	Hudson Bay Mining and Smelting Co.
HDS	High Density Sludge
HDSTP	High Density Sludge Treatment Plan
HSPF	Hydrologic Simulation Program FORTRAN
IAG	Interagency Agreement

ICI	PRP contractor
ICIA	Iron American (PRP contractor)
IM	Iron Mountain
IMM	Iron Mountain Mine
IMMI	Iron Mountain Mine, Inc.
IMMWQ	Iron Mountain Mine Water Quality
MDA	Methylenedianiline
MgO	Magnesium Oxide
MK	Morrison Knudsen
MMAJ	Metal Mining Agency of Japan
MRRC	Mining Remedial Recovery Co., Inc.
MSCA	Multi-Site Cooperative Agreement
mtg	meeting
N	North
NAWQA	National Ambient Water Quality Assessment
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OH	State of Ohio
ORC	Office of Regional Counsel
OU	Operable Unit
P&ID	Piping & Instrumentation Design
PACE	Trademark
PG&E	Pacific Gas and Electric
pH	Acidity/Alkalinity
PMF	Probable Maximum Flood
PMT	Project Management Team
PRP	Potentially Responsible Party
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
R	River
RA	Remedial Action
RA/RI	Remedial Action/Remedial Investigation
RD	Remedial Design
RD/RA	Remedial Design/Remedial Action
REVIEWC	Type of decision memo from U.S. Department of Interior
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROC	Record of Communication
ROD	Record of Decision
RP	Rhone-Poulenc
rpt	report
S	South
Sacto	Sacramento
SAP	Sampling and Analysis Plan
SCAP	Superfund Comprehensive (or Consolidated) Accomplishments Plan
SCDD	Spring Creek Debris Dam
SEA	Spaulding Environmental Associates
SEED	Safety Evaluation of Existing Dams
SF	San Francisco
SMARA	Surface Mining & Reclamation Act
SMC	Stauffer Management Co.
SNSA	Shasta Natural Science Association
SOW	Statement of Work or Scope of Work
SPECB	Specifications (having to do with bids)
SRC	Slickrock Creek



SRTPCP	Sacramento River Toxic Pollutant Control Program
SRWP	Sacramento River Watershed Program
SSP	Site Safety Plan
SVTC	Sacramento Valley Toxics Campaign
TA	Technical Assistance
TAC	Technical Advisory Committee
TAG	Technical Assistance Grant
TL	Transmittal Letter
TSC	Superfund Technical Support Center (Hotline)
UAO	Unilateral Administrative Order
UC	University of California
US	United States
USA	United States Army
USBR	United States Bureau of Reclamation (U.S. Department of Interior)
USDOJ	United States Department of Interior
USFWS	United States Fish and Wildlife Service (U.S. Department of Interior)
USGS	United States Geologic Survey
v	versus or volume
w/	with
w/o	without
WQM	Water Quality Management Plan
Zn	Zinc

#### Administrative Record Index

Date (yy/mm/dd)	Author- Author Org	Addressee- Addressee Org	Subject	AR #	Doc. ID #	Microfilm Roll	Microfilm Frame #
00/00/00	Carl Batliner- Armco Inc	-	Article: Removing heavy metals fr steelworks waste waters (pp 355-359)	0399	1652-93915	006	0786
00/00/00	- Stauffer Management Co	-	Maps & drawings (6 sheets): Richmond tunnel maintenance construction drawings, w/list, legend & notes (pre-final)	1432	1652-03957	25	0765
00/00/00	- C H 2 M Hill	-	Concepts for reversing environmental losses & meeting California's water needs in 21st century	0392	1652-02546	006	0679
00/00/00	Richard Humphreys- CA Water Resources Control Board	-	What we learned fr Penn Mine experience - case study #1	0398	1652-91884	006	0780
00/00/00	Walter Kuit-Cominco, Ltd	-	Article: Treatment of acid water at wedge mine, New Brunswick (CIM bulletin, 10/77, 141-148)	0394	1652-03247	006	0719
00/00/00	S Herman-Bethlehem Steel Corp	-	Article: Treatment of ash disposal pile leachate by high density sludge process Conemaugh generating station	0395	1652-03250	006	0728

00/00/00	S Herman-Bethlehem rec.com	-	Article: High density sludge process, an improved technology for hydroxide precipitation of heavy metals	0396	1652-03251	006	0753
00/00/00	- Stauffer Management Co	-	Maps & drawings (13 sheets): Waste rock piles construction drawings, w/list, legend & notes (draft, preliminary)	1430	1652-03955	25	0721
00/00/00	- Aqua Fix	-	Pamphlet: Aqua Fix - Advertisement for treating acid mine drainage (AMD)	0401	1652-94150	006	0797
00/00/00	- Stauffer Management Co	-	Maps & drawings (8 sheets): Slickrock Creek baseflow collection & pumping system construction drawings, w/list, legend & notes (pre-final)	1431	1652-03956	25	0748
00/00/00	- Mountain Copper Co, Ltd	-	Oversize map: Property & fire map, Mountain Copper Co (box 10)	1675	1652-95528	033	0120
00/00/00	- Stauffer Management Co	-	Maps & drawings (5 sheets): Brick Flat Pit sulfide capping construction drawings, w/list, legend & notes (pre-final)	1429	1652-03954	25	0710
00/00/00	- Morrison-Knudsen Corp	-	Photos: 36 4x6 color copies, of site (box 4)	1669	1652-04239	033	0083
00/00/00	Jim Mayer-Sacramento Bee	-	Newsclip: Shasta dilemma - pollute river or deplete lake	0261	1652-93340	005	0001
00/00/00	- Morrison-Knudsen Corp	-	Photos: 29 4x6 color copies, main damsite, w/ descriptions (box 3)	1665	1652-03717	033	0029
00/00/00	- Morrison-Knudsen Corp	-	Photos: 11 4x6 color copies, of site (box 3)	1663	1652-03714	033	0001
00/00/00	- Morrison-Knudsen Corp	-	Oversize drawings: Slickrock Creek retention pond - layouts for reservoir, figures 1-7 (box 10)	1666	1652-03719	033	0041
00/00/00	- Morrison-Knudsen Corp	-	Photos: 31 4x6 color copies, Brick Flat Pit, w/ descriptions & index (box 3)	1664	1652-03716	033	0008
00/00/00	- Stauffer Management Co	-	Documents supporting Shasta Dam monthly summary submitted on behalf of Rhone-Poulenc for inclusion in public record - v2 of 2, daily log 1/69-6/94	1292	1652-02997	022	1445

00/00/00	- Morrison-Knudsen Corp	-	Perspective view - 170 acre ft pond located upstream of hematite pile (box 5)	1676	1652-95529	033	0122
00/00/00	- Morrison-Knudsen Corp	-	Oversize map: Mines & surface water features tributary to Sacramento River above Keswick Dam (box 5)	1674	1652-95527	033	0118
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v4 of 8	1286	1652-02986	022	1445
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v2 of 8	1284	1652-02984	022	1757
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v3 of 8	1285	1652-02985	022	1753
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v1 of 8	1283	1652-02983	022	1793
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v6 of 8	1288	1652-02988	022	0784
00/00/00	- Morrison-Knudsen Corp	-	Oversize map: Shasta Lake region surface water sampling points (box 5)	1673	1652-95526	033	0116
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v5 of 8	1287	1652-02987	022	1141

00/00/00	- Environmental Protection Agency	-	List of guidance documents submitted during development & selection of response action for IMM Superfund site Spring Creek Debris Dam OU Supplement 9	1677	1652-95627	033	0124
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v8 of 8	1290	1652-02990	022	0784
00/00/00	- Stauffer Management Co	-	Maps & drawings (11 sheets): Slickrock clean water diversion construction drawings, w/list, legend & notes (pre-final)	1428	1652-03953	25	0685
00/00/00	- Stauffer Management Co	-	Documents supporting Shasta Dam monthly summary submitted on behalf of Rhone-Poulenc for inclusion in public record - v1 of 2, daily log 1/44-12/68	1291	1652-02996	022	1141
00/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - v7 of 8	1289	1652-02989	022	0547
00/00/00	P Kostenbader-Bethlehem Steel Corp, Homer Research Laboratories	-	Article: High density sludge (HDS) process for treating acid mine drainage (AMD)	0393	1652-03246	006	0703
00/00/00	-	-	Sign-in sheets from FS community comment meeting (Redacted, FOIA ex 6)	1294	1652-94578	022	1757
00/00/00	- Zeneca Inc	-	Extracting the maximum (advertisement)	0001	1652-02206	001	0001
00/00/00	-	-	Oversize maps: Monitor wells, underground workings, Richmond Mine area & seismic refraction lines (box 5)	1668	1652-04236	033	0070
00/00/00	Frank Foster-Iron Mountain Mine, Inc	-	Article: IMM West Shasta copper-zinc district	0397	1652-03310	006	0771

00/00/00	Howard Bailey- Univ of California - Dept of Fisheries	-	Article: Development & application of immune system biomarkers to assess health of fish populations exposed to heavy metals	0400	1652-94147	006	0791
00/00/00	Helen Burke- Environmental Protection Agency - Region 9	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Central Valley Regional Water Quality Control Board agrees to make their library available as repository for AR	1293	1652-93030	022	1753
00/00/00	David Jones- Environmental Protection Agency - Region 9	Jeff Zelikson- Environmental Protection Agency - Region 9	Memo: Decision memo IAG with USDOT providing technical support during RA/RI, w/ IAG amendment (unsigned)	1667	1652-03790	033	0058
00/00/00	David Jones- Environmental Protection Agency - Region 9	Jeff Zelikson- Environmental Protection Agency - Region 9	Decision memo: IAG with USDOT-BOR for technical support at site (unsigned)	1670	1652-94894	033	0103
00/00/00	Dallas Linford- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: construction schedules - EPA IAGs - references USDOT-BOR ltr dated 6/11/93	1671	1652-94915	033	0105
00/02/18	Janet Senior- C H 2 M Hill	Helen Burke- Environmental Protection Agency - Region 9	Ltr: IMM memo completed	1295	1652-93045	022	1763
44/00/00	Paul Shaw- CA Dept of Fish & Game	-	Article: Mine Tunnel Drainage in Shasta Reservoir area	1678	1652-04114	033	0132
52/06/26	L Kett- Iron Mountain Investment Co	- State of California	Site historical records - certificates of amendment of articles of incorporation of Iron Mountain Investment, 1/46 & 6/52, w/TL to J Spitzley 4/18/97	1679	1652-04330	033	0145
57/04/00	William McClung, resident- City of San Mateo	Tom Mix- Environmental Protection Agency - Region 9	Article: Mineral exploration program, Shasta County for Mountain Copper Co of CA, w/TL to T Mix fr W McClung 10/7/83 & marginalia	0402	1652-03308	006	0802
64/00/00	J Sprague- Canada - Fisheries Research Board	-	Article: Lethal levels of mixed copper-zinc solutions for juvenile salmon	0403	1652-94504	006	0811
68/09/19	- C H 2 M Hill	-	Aerial photos: 2 11x17 color copies & 2 b&w copies, Slickrock Basin, Boulder Creek & Richmond mill buildings, w/ marginalia (see finding aid)	1680	1652-04318	033	0153
70/09/00	P Kostenbader- Bethlehem Steel Corp, Homer Research Laboratories	-	Article: High density sludge (HDS) treats acid (Coal age, 9/70, 90-97)	0404	1652-03248	006	0820

71/00/00	Robert Freeman - Colorado State Univ	-	Article: Toxicity of aluminum complexes in neutral & basic media to Rainbow Trout (Trans Amer Fish Soc, #4)	0405	1652-03355	006	0829
71/11/18	F Temmel-Bethlehem Steel Corp, Homer Research Laboratories	-	Article: Treatment of acid & metal-bearing wastewaters by HDS process (presented at S F Regional Technical Mtg of American Iron & Steel Institute)	0407	1652-03252	006	0854
71/11/18	Frank Temmel-Bethlehem Steel Corp, Homer Research Laboratories	-	Article: Treatment of acid & metal-bearing wastewaters by HDS process (presented at San Francisco Reg Tech Mtg of American Iron & Steel Institute)	0406	1652-00175	006	0845
75/02/20	J Boyd- EIMCO	-	Article: Heavy metal removal for water reuse & effluent treatment (Society of mining engineers of AIME, 2/16-20/75)	0408	1652-03249	006	0864
79/00/00	- US Dept of Interior - Geological Survey	-	Map: Topography of site area	1296	1652-93671	022	1765
80/00/00	- C H 2 M Hill	-	Surface water modeling & technical support documents w/ water quality analysis model tables	1297	1652-01977	022	1767
80/00/00	D Wilson- CA Dept of Fish & Game	-	Article: Copper, zinc & cadmium concentrations of resident trout related to acid-mine wastes (CA Fish & Game, v67, #3, 176-86)	1681	1652-04169	033	0162
80/00/00	P Davies- American Society for Testing & Materials	-	Article: Importance of laboratory-derived metal toxicity results in predicting in-stream response of resident Salmonids (Aquatic toxicology)	0409	1652-03354	006	0894
80/03/00	R Typliski- Hudson Bay Mining & Smelting Co Ltd	-	Article: Wastewater treatment at HBM&S, Flin, Flon, Manitoba	0410	1652-91891	006	0914
80/12/00	W Kuit- Cominco, Ltd	-	Article: Mine & tailings effluent treatment at Kimberley, B C operations of Cominco Ltd (CIM Bulletin, 12/80, 105-112)	0411	1652-03244	006	0918

82/00/00	Eugene Zanella- Institute of Ecology	-	Article: Shifts in caddisfly species composition in Sacramento River invertebrate communities (Bulletin of Environ Contamination & Toxicology, v29, 306-12)	1682	1652-04170	033	0175
82/04/00	- CA Dept of Fish & Game	-	Sacramento River & tributaries bank protection & erosion control investigation - evaluation of impacts on fisheries	0262	1652-01931	005	0004
83/00/00	- US Dept of Interior - Bureau of Reclamation	-	Spill documents of 1983 re Spring Creek Debris Dam	0263	1652-93337	005	0015
83/03/00	Florence Harrison-	-	Article: Effects of copper speciation on aquatic ecosystems (conference workshop - Effects of trace elements on aquatic ecosystems)	0412	1652-03356	006	0927
83/08/10	Jeff Zelikson- Environmental Protection Agency - Region 9	Thomas Bailey- CA Dept of Health Services - Site Cleanup & Emergency Response Section	Ltr: Response to ltr of 7/25/83 re formation of technical committee for RI/ FS	1298	1652-93668	022	1850
83/09/14	Daphne Gemmill- Environmental Protection Agency - Region 9	Thomas Sheckells- Environmental Protection Agency - Region 9	Memo: Comments on draft community relations plan	1299	1652-93670	022	1853
83/09/28	Harry Seraydarian- Environmental Protection Agency - Region 9	Ted Arman- Iron Mountain Mine, Inc	Ltr: 104(e) request for information, w/o mail receipt	1301	1652-93664	022	1859
83/09/28	Harry Seraydarian- Environmental Protection Agency - Region 9	William McClung-	Ltr: 104(e) request for information, w/o mail receipt #P364 179 182	1300	1652-93663	022	1855
83/10/22	Rick Sugarek- Environmental Protection Agency - Region 9	-	Slickrock Creek status updates - copper & zinc at Boulder Creek & Slickrock Creek	0413	1652-94549	006	0965
83/11/01	Harry Seraydarian- Environmental Protection Agency - Region 9	Ted Arman- Iron Mountain Mine, Inc	Ltr: RI/FS will require access to site & may require installation of monitoring wells & flow measurement stations	1302	1652-93666	022	1863
83/11/08	Harry Seraydarian- Environmental Protection Agency - Region 9	Ted Arman- Iron Mountain Mine, Inc	Ltr: Response to 10/26/83 ltr requesting site be removed fr NPL	1303	1652-93665	022	1866

84/01/04	James Davis- US Dept of Interior Geological Survey	-	Article: Complexation of trace metals by adsorbed natural organic matter (Geochimica et Cosmochimica Acta v48)	1433	1652-03960	25	0778
84/01/17	Keith Takata- Environmental Protection Agency - Region 9	Ted Arman- Iron Mountain Mine, Inc	Ltr: Response to 1/10/84 ltr re RI/FS issues	1304	1652-93667	022	1868
84/01/20	Robert Orcutt- CA Dept of Fish & Game	Les Kaufman- US Dept of Interior - Bureau of Reclamation	Memo: Comments on team leader draft rpt on problem C-1 Spring Creek heavy metal toxicity, w/o attch	1683	1652-95580	033	0183
84/04/22	- Environmental Protection Agency - Environmental Monitoring Systems Laboratory	-	Aerial photo: Site & vicinity, 9 x 9, color, 1:6000, w/ overlay	1684	1652-04143	033	0189
84/04/23	Sergei Zelenkov- C H 2 M Hill	Business development contact/region-	Contact rpt: Visit from J Albers (USGS) to discuss site, project W69217.00.37	1685	1652-90443	033	0192
84/04/30	Steve Drew- Environmental Protection Agency - Region 9	-	Ltr: Transmits 1st of several fact sheets to interested parties during FS phase, w/ distribution list, w/o encl	1305	1652-93673	022	1871
84/10/00	- US Dept of Interior - Fish & Wildlife Service	- US Dept of Interior - Bureau of Reclamation	Evaluation rpt of potential impacts of proposed lake Red Bluff water power project on fishery resources of Sacramento River	0264	1652-93346	005	0020
85/03/00	L Ogiela- Lockheed Engineering & Sciences Co	-	Map: Site & vicinity, 1:62500, w/ overlay & analysis	1686	1652-04142	033	0197
85/07/00	Judith Ayres- Environmental Protection Agency - Region 9	Huston Carlyle- CA Office of Planning & Research	Ltr: Outline of proposed superfund project	1306	1652-93121	022	1877
85/08/19	James McKeivitt- US Dept of Interior - Fish & Wildlife Service	Thomas Mix- Environmental Protection Agency - Region 9	Ltr: Response to public comment FS	0265	1652-93344	005	0026
85/08/19	Timothy Vendlinski- Environmental Protection Agency - Region 9	David Grabeal- City of Redding	Ltr: Thank you for assistance at EPA community mtg	1307	1652-93122	022	1881
85/09/30	- US Dept of Interior - Bureau of Reclamation	-	SEED (safety evaluation of existing dams) rpt on Spring Creek Debris Dam	0384	1652-01943	005	2218
86/00/00	Bill Miller- Redding Record Searchlight	-	Newsclip: Mine is fish killer, but solid number elusive	0414	1652-94405	006	0968



86/00/00	Bill Miller- Redding Record Searchlight	-	Newsclip: IMM - treasure or mine?	0415	1652-94406	006	0973
86/00/00	Robert Cusimano- Western Washington Univ, Bellingham	-	Article: Effects of pH on toxicities of cadmium, copper, & zinc to Steelhead trout (Can J Fish Aquat Sci, v43)	0416	1652-94503	006	0978
86/06/23	- Redding Record Searchlight	-	Newsclip: State trying to plug drainage fr 2 other mines	0417	1652-94407	006	0986
86/07/23	- Western Assoc of Fish and Wildlife Agencies Resolution	-	Economic values of fish & wildlife recreation	0266	1652-93347	005	0031
86/10/00	W Hanemann- Univ of California, Berkeley	- EA Engineering, Science & Technology, Inc	Economic evaluation of changes in catch of Sacramento River Chinook salmon	0267	1652-01935	005	0033
86/10/30	Fritz Carlson- C H 2 M Hill	Greg Chlumsky- Colorado School of Mines Research Institute	Ltr: Hydrogeologic consideration of proposed in situ mining operation	1308	1652-93588	022	1883
86/11/24	-	-	Agreement between USBR & CADOWR for coordinated operation of Central Valley & State water projects	0268	1652-02799	005	0109
87/08/07	- Environmental Protection Agency - Washington DC	Karen Kohnert- Environmental Protection Agency - Region 9	ROC: Administrative record conference call	1309	1652-93640	022	1886
87/08/13	Karen Kohnert- Environmental Protection Agency - Region 9	-	Memo: Administrative record guidelines	1310	1652-93641	022	1889
87/09/00	-	-	Sacramento R Basin water quality data 10/86-9/87	1311	1652-93633	022	1893
88/03/00	- C H 2 M Hill	- SCM Chemicals	Preliminary acid mine drainage assessment - Bully Hill Mine	0193	1652-02728	003	0001
88/05/00	- Meyer Resources, Inc	- Biosystems Analysis, Inc	Bioeconomic model for evaluation of flow changes affecting Chinook salmon, agriculture & power	0269	1652-01932	005	0165
88/07/08	A Naylor- CA Dept of Fish & Game	William Crooks- CA Regional Water Quality Control Board - Central Valley Region	Memo: Need for reinforcement action at site during this drought year	1312	1652-90001	022	1897
88/08/00	-	-	Map: Surface water sampling locations	1313	1652-02979	022	1900

88/10/00	Charles Alpers- Univ of California Berkeley	-	Article: Middle Miocene climatic changes in Atacama Desert, northern Chile (Geological Society of America Bulletin, v100, 1640- 1656)	1687	1652-04241	033	0201
89/00/00	Bryan Morrison- Lac Minerals Ltd	-	Article: Application of Tetra's CrystaBOND Service for treatment of gold mine acid wastewaters (Randol, pp 82- 86)	0418	1652-93916	006	0988
89/01/00	- Resources Agency of California	-	Upper Sacramento River fisheries & riparian habitat management plan	0419	1652-01995	006	0994
89/01/00	- US Dept of Interior - Bureau of Reclamation	-	Shasta lab data	0420	1652-94553	006	1161
89/01/03	Barbara Hurley- C H 2 M Hill	Daryl Greenway- C H 2 M Hill	Ltr: Transmits lab results (received on 12/20/89) for metals, w/attch	1314	1652-93589	022	1902
89/02/27	- C H 2 M Hill	-	Sampling results - emergency response treatment	1315	1652-93638	022	1907
89/03/18	Michael Smith- C H 2 M Hill	Frank Foster- Iron Mountain Mine, Inc	Ltr: Requests meeting to discuss Richmond adit rehabilitation & site access	1316	1652-93816	022	1911
89/03/27	Frank Foster- Iron Mountain Mine, Inc	- US Dept of Interior - Bureau of Reclamation	ROC: Request for payment for broken 8-inch water line	1317	1652-93728	022	1914
89/04/20	- Environmental Protection Agency - Region 9	-	EPA questions re USBR water contracting program DEISs for interagency mtg (4/19- 4/20/89)	0421	1652-94506	006	1163
89/04/22	- Iron Mountain Mine, Inc	- Environmental Protection Agency - Region 9	IMMI invoices re EPA remedial action at site	1282	1652-01976	022	1765
89/05/23	- US Dept of Interior - Fish & Wildlife Service	- US Dept of Interior - Bureau of Reclamation	Memo: Fish & wildlife impacts of proposed water management measures for RA at site, w/ handwritten note & attchs	1688	1652-03799	033	0221
89/06/22	- CA Water Resources Control Board	-	State Water Resources Control Bd mtg & draft order 89	0194	1652-05330	003	0040

89/06/29	Susan Hoffman- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Memo: Request for documentation justifying changing South Fork Spring Creek plan fr that described in Record of Decision (ROD)	1318	1652-93729	022	1916
89/10/00	- Environmental Protection Agency - Region 9	-	Announcement of availability of administrative record file for IMM Superfund site	0422	1652-94404	006	1165
89/11/13	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Sample plans meeting (handwritten), w/ table	1319	1652-93590	022	1918
89/11/14	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Technical Advisory Committee (TAC) meeting, w/attach	1320	1652-01903	022	1924
89/12/21	Mona Jones- C H 2 M Hill Environmental Lab	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Acknowledges receipt of neutralization plant samples & transmits chain of custody record, w/encl	1321	1652-93738	022	1934
89/12/29	Mona Jones- C H 2 M Hill Environmental Lab	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Acknowledges receipt of 17 samples & transmits chain of custody record, w/encl	1322	1652-93740	022	1937
90/02/13	- National Oceanic & Atmospheric Administration - National Marine Fisheries Service	-	Statement of National Marine Fisheries Service re proposed amendment to permits for water released fr Shasta & Keswick Dams & Spring Creek power plant	0195	1652-05351	003	0059
90/02/14	- CA Water Resources Control Board	-	Notice of public hearing: Amendment to permits for water released fr Shasta & Keswick Dams & Spring Creek power plant	0196	1652-05332	003	0068
90/03/14	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg agenda: EPA/ State agency meeting in Redding re source control alternatives & stream diversions at IMM	1323	1652-93591	022	1941
90/04/00	Forrest Reynolds, et al- CA Dept of Fish & Game	-	Central Valley salmon & steelhead restoration & enhancement plan, w/maps & photos	0270	1652-01934	005	0286

90/05/07	- CA Water Resources Control Board	-	State of CA order 90-5 setting conditions for fishery protection & setting schedule for completion of tasks w/p fr CA code of regulations & TL	0197	1652-05325	003	0100
90/05/11	- US Dept of Interior - Bureau of Reclamation	-	Forecast of water supply & requirements (Shasta/Keswick releases) w/TL to R Sugarek fr K Doebbler 5/14/90	1324	1652-93634	022	1943
90/05/21	Rick Sugarek- Environmental Protection Agency - Region 9	Kris Doebbler- US Dept of Interior - Bureau of Reclamation	ROC: Notification of decision to put South Fork diversion construction on hold	1325	1652-93749	022	1946
90/06/00	Jerry Marcus-	-	Article: Mining environment - regulatory control of mining at federal level, part 1 [Engineering & Mining Journal (E&M)], June 1990, 16U-16BB +)	1690	1652-04242	033	0254
90/06/06	Ken Iceman- CH2M Hill	Daryl Greenway- CH2M Hill	Memo: Draft source control, water management/ water quality analysis, w/tables & marginalia	0002	1652-02946	001	0027
90/08/00	Jerry Marcus-	-	Article: Mining environment - financial assurances for mine closure [Engineering & Mining Journal (E&M)], August 1990, 16E-16K+]	1691	1652-95441	033	0262
90/09/00	Jerry Marcus-	-	Article: Mining environment - financial ratios for mine analysis [Engineering & Mining Journal (E&M)], September 1990, 16CC-16KK+]	1692	1652-04243	033	0268
90/10/00	- CA Water Resources Control Board	-	Chapter: Project water quality monitoring studies (Sacramento River Toxic Chemical Risk Assessment Project, pp 1-17)	0423	1652-02116	006	1168
90/12/04	Paul Capener- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Draft memo of agreement between BOR & EPA	1693	1652-95330	033	0275
90/12/12	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: ICI/ Weston, US Bureau of Reclamation & CH2M Hill mtg re cap constructability, w/attchs	1326	1652-01905	022	1948

90/12/13	Ted Arman- Iron Mountain mine	Lee Erickson- ICI Americas, Inc	Ltr: List of damages & problems noted during 11/7/90 inspection, w/o mail receipt #P 960 702 447	1327	1652-93134	022	1957
91/00/00	Rick Sugarek- Environmental Protection Agency - Region 9	-	Inert gas blanket initial screening survey, w/attchs	1328	1652-01906	022	1961
91/00/00	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Eagle Mine side bar meeting	1329	1652-01907	022	1986
91/00/00	Johnnie Moore- Univ of Montana	-	Article: Downstream effects of mine effluent on intermontane riparian system	0424	1652-03353	006	1187
91/00/00	John Spitzley- C H 2 M Hill	-	Minimum flows, releases 1958- 1991 (faxed 5/30/94)	0271	1652-93334	005	0407
91/01/16	- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Memo: Cost recovery action at site (privileged, FOIA ex 5)	0272	1652-02794	005	0411
91/01/30	Anette Rardin- City of Redding	-	Grant of easement w/ marginalia fr A Rardin to R Sugarek	1434	1652-95052	25	0791
91/02/20	Dick Coon- C H 2 M Hill	-	Draft risk statement for capping alternative	1330	1652-93592	022	1994
91/03/22	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: ICI/ EPA meeting re geochemistry study	1331	1652-01908	022	2000
91/03/25	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Civil meeting	1332	1652-01910	022	2009
91/04/09	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: ICI/ EPA meeting re cap constructability	1333	1652-01911	022	2025
91/04/10	Lawrence Hancock- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Memo: Cost recovery action at site (privileged, FOIA ex 5)	0273	1652-02774	005	0413
91/04/11	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Comments on draft contingency plan - plugging alternative	1334	1652-93593	022	2035
91/05/09	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Geochemistry study (handwritten notes)	1335	1652-93595	022	2039
91/05/09	Daryl Greenway- C H 2 M Hill	-	Mtg notes: Mine treatment methods & engineering for ICI proposal	1336	1652-93768	022	2045
91/06/03	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: ICI/ EPA meeting re geochemistry study	1337	1652-01909	022	2050

91/06/12	- CA Regional Water Quality Control Board	-	Monitoring rpt, 7/30/6/91 (draft)	1694	1652-00392	033	0281
91/07/05	Dale Smith- C H 2 M Hill	File-	Memo: Explanation of remedial alternative cost summaries	1338	1652-01912	022	2059
91/07/05	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg agenda: OU RI/FS, source control alternatives, cost comparison, contingencies, etc (draft)	1339	1652-93596	022	2069
91/07/23	Carl Boronkay, et al- 3-Way Steering Committee delegates	Pete Wilson, Governor- State of California	Ltr: Transmits principles for 3-way water agreement process w/encl, draft framework of 3-way agreement & docs re state water policy	0198	1652-02731	003	0165
91/09/12	Dale Smith- C H 2 M Hill	File-	Memo: Experimental plan for plugging with internal treatment, developed on 8/23/91 in Redding, w/ marginalia	1340	1652-93600	022	2071
91/11/04	- C H 2 M Hill	-	Basic concepts for ICI/EPA meeting, plugging alternative	1341	1652-01913	022	2076
91/12/00	- C H 2 M Hill	- SCM Chemicals	Preliminary acid mine drainage assessment rising star mine	0199	1652-02734	003	0219
91/12/19	Jeff Zelikson- Environmental Protection Agency - Region 9	Joe Hall- US Dept of Interior - Bureau of Reclamation	Ltr: Request for signature on IAG amendment, w/ IAG amendment	1696	1652-03789	033	0396
91/12/30	Kirk Nordstrom- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Need additional \$25,000 for IAG	1697	1652-94910	033	0403
92/00/00	Daniel McGovern- Environmental Protection Agency - Region 9	Wally Herger- US House of Representatives	Ltr: Responds to 6/2/92 ltr re comments on 5/20/92 proposed plan	0426	1652-93896	006	1208
92/00/00	- C H 2 M Hill	-	Photos: Geochemical reconnaissance of Richmond Mine - US Geological Survey (22 4x6)	0427	1652-94443	006	1211
92/00/00	- C H 2 M Hill	-	Photos: Model of Richmond Mine (8 3.5x5)	0428	1652-94444	006	1220
92/00/00	Donald Runnells- University of Colorado, Boulder, CO	-	Article: Metals in water - determining natural background concentrations in mineralized areas (Environ Sci Technol, v26, #12, 2316-2323)	0425	1652-02105	006	1199
92/00/00	Ken Davis, resident- City of Concord	-	Solution to Iron Mountain? w/TL to T Arman fr K Davis 8/2/92	0200	1652-05356	003	0250

92/00/00	T Mongan-	-	Chapter: Water quality & water management amendment Sacramento-San Joaquin river system (Water Quality in North American River Systems, pp 87-115)	1698	1652-04173	033	0405
92/00/00	- US Dept of Interior - Geological Survey	-	Sacramento River data, 1972-73, w/ diagram	0275	1652-01921	005	0435
92/00/00	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek sample collection & site description, w/map	0274	1652-01920	005	0415
92/01/02	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Fully executed IAG amendment (signed) for technical support during RA/RI, w/ TL fr V Cooper to S McMoran 1/9/92, w/attch B	1699	1652-03788	033	0437
92/01/08	- C H 2 M Hill	-	Photos: 16 6x4 of site (in color)	0429	1652-02122	006	1223
92/01/08	- US Dept of Interior - Bureau of Reclamation	-	Value Engineering (VE) guidance	0003	1652-02229	001	0035
92/01/13	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Spring Creek Debris Dam w/list of attendees & major topics for discussion	0004	1652-93171	001	0044
92/01/14	Steven Atkinson- Baker & McKenzie	Jeffrey Storer- Ropes & Gray	Ltr: Maintenance of site security	0430	1652-91934	006	1232
92/01/15	Joseph Coglaiti- Zeneca Inc	James Pedri- CA Regional Water Quality Control Board	Ltr: Transmits analytical results of AMD neutralization treatment system for 12/92, w/encl	0431	1652-94219	006	1235
92/01/28	Kirk Nordstrom- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Additional work on site, w/ TL fr C Alpers to R Sugarek	1700	1652-94911	033	0444
92/01/30	David Jones- Environmental Protection Agency - Region 9	Anthony Landis- CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: Notification to facilitate identification of ARARs	0432	1652-94322	006	1239
92/02/04	Augustus Mergenthaler- Roy F Weston, Inc	Donald Buckner- ICI Americas, Inc	Ltr: Lists project surface water/gw tasks 12/28/91-1/24/92 & transmits monthly invoice, w/o invoice, w/TL to R Sugarek fr J Spitzley 9/9/97	1701	1652-95561	033	0449
92/02/14	Dale Smith- C H 2 M Hill	- File	Memo: Site visit following heavy rainfall	0433	1652-94408	006	1242
92/03/00	- US Dept of Interior - Bureau of Reclamation	-	Health & safety plan for USBR activities, lower Spring Creek w/ TL to & fr USBR 4/17/92	0005	1652-02947	001	0049
92/03/00	- Sacramento River Information Center	-	Sacramento River Information Center (Info lit)	1702	1652-04030	033	0453

92/03/17	- Redding Record	-	Newsclip: Mine spill count, dam	0276	1652-93338	005	0453
92/03/18	John Cox- Sacramento Bee	-	Newsclip: U.S. taps reservoir to dilute toxic-waste runoff in river	0277	1652-93341	005	0455
92/04/17	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Wally Herger- US House of Representatives	Ltr: Need to release water fr Shasta Dam for dilution of acid mine drainage (AMD) fr IMM w/ TL to R Sugarek fr K Doebbler 6/2/94	0278	1652-02755	005	0458
92/05/00	- C H 2 M Hill	-	Table 4-2, description of waste rock piles, fr public comment RI rpt, Boulder Creek OU, w/ marginalia (box 10)	1703	1652-95522	033	0472
92/05/00	Michael Hingerty- Environmental Protection Agency - Region 9	-	Full text of key legal materials relevant to issue of funding for design & construction of enlarged Spring Creek Debris w/ attch (Privileged FOIA ex 5)	0279	1652-01924	005	0463
92/05/00	- Roy F Weston, Inc	-	Environmental impact assessment rpt	0434	1652-02401	006	1245
92/05/06	-	-	Memo: Recent findings re Richmond mine	0435	1652-03117	006	1358
92/05/06	-	-	Briefing materials on issues related to making announcement in near term with respect to enlargement of Spring Creek Debris Dam (Privileged FOIA ex 5)	0280	1652-01925	005	0465
92/05/20	Wanda Bishop- Lindsay Museum	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Request Public comment feasibility study & Public comment environmental endangerment assessment	0436	1652-94410	006	1377
92/05/27	Jeff Zelikson- Environmental Protection Agency - Region 9	Daniel McGovern- Environmental Protection Agency - Region 9	Memo: Talking points for discussion with Roger Patterson (privileged, FOIA ex 5)	0281	1652-01923	005	0467
92/05/29	Daniel McGovern- Environmental Protection Agency - Region 9	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Ltr: Transmits talking points for discussion with Roger Patterson, w/attch (concurrency copy) (Privileged, FOIA ex 5)	0282	1652-01927	005	0469
92/06/00	- US Dept of Interior - Bureau of Reclamation	-	Monthly progress rpts for 11-12/91, 1-6/92, 1-3/93, 4-6/93 & 7-12/93, w/TLS (3 IAGs represented)	0006	1652-02203	001	0116



92/06/00	- US Dept of Interior - Bureau of Reclamation	-	Monthly progress rpts for 11-3/93, 1-6/92, 1-3/93, 4-6/93 & 7-12/93, w/TLS (3 IAGs represented)	0006	1652-02203	001	0116
92/06/00	- US Dept of Interior - Bureau of Reclamation	-	Monthly progress rpts for 11-12/91, 1-6/92, 1-3/93, 4-6/93 & 7-12/93, w/TLS (3 IAGs represented)	0006	1652-02203	001	0116
92/06/14	Fred Lee- G Fred Lee & Assoc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Comments on proposed plan for cleanup of Boulder Creek contaminant sources w/encls	0437	1652-03119	006	1379
92/06/19	- National Oceanic & Atmospheric Administration - National Marine Fisheries Service	-	Endangered & threatened species, endangered status for winter-run chinook salmon, 50 CFR pts 222 & 227 (57 FR 27416)	1704	1652-04355	033	0476
92/06/29	Rick Sugarek-Environmental Protection Agency - Region 9	Greg Baker-Environmental Protection Agency - Region 9	Memo: USBR briefing re accelerated Spring Creek Debris Dam design studies (Privileged, FOIA ex 5)	0283	1652-01926	005	0471
92/07/02	Charles Alpers-US Dept of Interior - Geological Survey	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Additional tasks to be added to proposed SOW, w/revised budget for tasks 1-4	1705	1652-94909	033	0494
92/07/02	Charles Alpers-US Dept of Interior - Geological Survey	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits revised SOW & revised budget for IAG, w/attchs	1706	1652-94913	033	0497
92/07/07	Dale Smith- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Site visit to Lawson portal	0438	1652-94428	006	1690
92/07/08	Kirk Nordstrom-US Dept of Interior - Geological Survey	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Chronology of mining in Richmond ore body, preliminary history	0284	1652-93333	005	0473
92/07/09	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-ICI Americas, Inc	Ltr: Transmits EPA comments on Upper Spring Creek O & M manual w/attach & marginalia	1435	1652-95084	25	0800
92/07/09	- Hanson Environmental, Walnut Creek, CA	-	EPA 1992 Endangerment rpt for IMM	0439	1652-02398	006	1692
92/07/10	City Manager- City of Redding	Mayor Moss- City of Redding	Memo: Proposed agenda item w/ attchs	0440	1652-93897	006	1701
92/07/14	E Jenne- Battelle Pacific Northwest Laboratories	Joseph Kelly-ICI Americas, Inc	Ltr: Review of public comment FS	0442	1652-93898	006	1712
92/07/14	- Stauffer Chemical Co	-	Comments on FS generally not discussed in other papers (Stauffer/ICI)	0441	1652-02400	006	1705
92/07/15	- Roy F Weston, Inc	-	Review of EPA FS rpt w/marginalia	0443	1652-02399	006	1717

92/07/15	John Thoroughgood- Viceroy Inc	S LaRocca- ICI Americas, Inc	Ltr: Probability analysis - Iron Mountain implementation plan	0444	1652-93900	006	1808
92/07/16	William Delaney- William F Delaney & Assoc	Marsha Howe- City of Redding	Ltr: In favor of ICI alternative (Privileged FOIA ex 6)	0445	1652-03008	006	1813
92/07/27	Resident- City of San Mateo	Daniel McGovern- Environmental Protection Agency - Region 9	Ltr: In favor of proposed external treatment plant	0447	1652-94562	006	1817
92/07/27	Sally Von dem Hagen- City of San Mateo	Daniel McGovern- Environmental Protection Agency - Region 9	Ltr: In favor of external treatment plant alternative (Privileged FOIA ex 6)	0446	1652-03118	006	1815
92/07/28	Marilyn Underwood- CA Health & Welfare Agency	-	Ltr: Site review & update	0448	1652-94218	006	1819
92/07/30	Lawrence Whitfield- City of Redding	- Redding Record Searchlight	Newsclip: Unqualified council shouldn't take stand w/ marginalia by Tryg Sletteland	0449	1652-93901	006	1822
92/08/06	Mike Thompson- CA Senate	Daniel McGovern- Environmental Protection Agency - Region 9	Ltr: Opposes ICI cleanup plan, urges permanent solution	0450	1652-93902	006	1824
92/08/14	Marilyn Underwood- CA Health & Welfare Agency	-	Ltr: Water sampling for Flat Creek residents near IMM	0451	1652-94217	006	1827
92/08/19	-	-	Drawings: Red Bluff diversion dam - pump demonstration project, general layout plan	0452	1652-94151	006	1830
92/08/28	Charles Alpers, David Blowes- US Dept of Interior - Geological Survey	-	Article: Environmental geochemistry of sulfide oxidation (ACS symposium series 550, pp 324-344)	0285	1652-02789	005	0478
92/08/28	Neal Dixon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits Spring Creek Debris Dam (SCDD) storage capacity assessment, w/ encls	0007	1652-02196	001	0394
92/08/31	Neal Dixon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Hydrologic assessment of Spring Creek Debris Dam (SCDD) storage requirement (draft), w/ diagrams & graphics	0008	1652-02197	001	0411
92/09/02	Daniel McGovern- Environmental Protection Agency - Region 9	Michael Thompson- CA Senate	Ltr: Response to comments on 5/20/92 proposed plan	0453	1652-94411	006	1835

92/09/03	Jeff Zelikson- Environmental Protection Agency - Region 9	John Weeks- US Dept of Interior - Bureau of Reclamation - Survey	Ltr: Request for signature on IAG amendment, w/ memo re approval (unsigned), & w/ IAG amendment & attchs A & B, & commitment notice	1707	1652-03795	033	0503
92/09/08	- C H 2 M Hill	-	Community relations activities plans, cost worksheet, & schedule	1342	1652-93786	022	2099
92/09/08	- CA Dept of Health Services	-	Site review & update (under cooperative agreement with ATSDR)	0454	1652-03311	006	1837
92/09/15	- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	TLs: Monthly progress rpts for (1/92-6/92) per IAG	0009	1652-92786	001	0441
92/09/23	Brian Finlayson- CA Dept of Fish & Game - Pesticides Unit	Harry Rectenwald- CA Dept of Fish & Game	Memo: Draft of study plan for EPA Clean Lakes- Keswick Reservoir sediment toxicity study, w/attchs	1708	1652-03712	033	0519
92/09/23	Peter Lawson- C H 2 M Hill	-	Memo: Quality & quantity estimates for portal AMD flows	0010	1652-93173	001	0444
92/09/28	Jean Pollard- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Scope of work (SOW) for Spring Creek Debris Dam enlargement (draft) w/map & schedule table	0011	1652-02941	001	0448
92/09/29	William Roth- US Senate	William Reilly- Environmental Protection Agency	Ltr: IMM cleanup decision	0455	1652-94412	006	1853
92/09/30	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	Marilyn Underwood- CA Dept of Health Services	Ltr: Water supply sampling - Flat Creek residents, w/o attchs	0457	1652-94413	006	1857
92/09/30	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Memo: 24 hr sampling - Sacramento River heavy metals	0458	1652-94414	006	1860
92/09/30	William Allan- US Dept of Interior - Office of Environmental Affairs	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Agrees with HDS process & support of AO #92-96	0456	1652-91937	006	1855
92/10/00	- ICI Americas, Inc	- Environmental Protection Agency - Region 9	Administrative order 92-26 monthly progress rpt w/TL to R Sugarek fr L Erickson 11/11/92	0462	1652-94212	006	2225
92/10/00	Craig Hustwit- US Dept of Interior - Bureau of Mines	-	Article: Role of oxygen transfer in acid mine drainage (AMD) treatment (9-10/92, pp 817-823)	0459	1652-01999	006	1864

92/10/00	- US Dept of Interior - Bureau of Reclamation	-	Long-term Central Valley operations criteria & plan w/ TL to R Sugarek fr C Bowling 10/18/95	0460	1652-03296	006	1872
92/10/00	- US Dept of Interior - Bureau of Reclamation	-	Shasta dam temperature control device	0461	1652-93654	006	2222
92/10/07	Neal Dixon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Hydrologic assessment of Spring Creek Debris Dam (SCDD) storage requirement (draft), w/attchs	0012	1652-02194	001	0462
92/10/09	- Pasha Publications, Inc.	-	Newsletter: Iron Mountain treatment plant to be built (Superfund Week, v6, #28)	0463	1652-94415	006	2228
92/10/14	Marcia Howe- Shasta Natural Science Assoc	Fraser Felter- Environmental Protection Agency - Region 9	Ltr: Intention to apply for TAG	1709	1652-95243	033	0537
92/10/14	Marcia Howe- Carter House Natural Science Museum	Fraser Felter- Environmental Protection Agency - Region 9	Ltr: Intention of Shasta Natural Science Assoc to apply for technical assistance grant (TAG)	0464	1652-94216	006	2235
92/10/29	Joseph Coglaiti- ICI Americas, Inc	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Flume system failure	0465	1652-94215	006	2237
92/10/30	Ron Stillmunkes- C H 2 M Hill	Daryl Greenway- C H 2 M Hill	Memo: Slickrock Creek field review, w/map of potential stream gauge site locations	0286	1652-93332	005	0501
92/11/02	Jean Pollard, et al- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Draft scope of work, Spring Creek Debris Dam enlargement, w/ marginalia	0288	1652-02797	005	0513
92/11/02	James Pedri- CA Regional Water Quality Control Board	Joseph Coglaiti- ICI Americas, Inc	Ltr: AMD flume failure due to rain & wind	0466	1652-94214	006	2239
92/11/02	-	-	Spring Creek Debris Dam enlargement design support, initial mtg - scope of work, optimizing studies, w/list of attendees & mtg minutes (handwritten)	0287	1652-02796	005	0506
92/11/02	- US Dept of Interior - Bureau of Reclamation	-	PMF Spring Creek Debris Dam analysis, w/ graphics	0289	1652-02798	005	0526
92/11/03	B Diamond- Environmental Protection Agency	Richard Guimond- Environmental Protection Agency	Memo: Mtg with Senator Roth's staff re cleanup alternative w/ marginalia	0467	1652-94416	006	2242

92/11/04	Rick Sugarek- Environmental Protection Agency - Region 9	Janet Weiner- Environmental Protection Agency - Region 9	Memo: Transmits briefing materials for conference & & mtg, w/encls	0468	1652-03312	006	2244
92/11/06	Harry Rectenwald- CA Dept of Fish & Game	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Technical advisory mtg for Keswick Reservoir sediment toxicity study	1710	1652-94988	033	0539
92/11/06	Fraser Felter- Environmental Protection Agency - Region 9	Marcia Howe- Environmental Protection Agency - Region 9	Ltr: Technical assistance grant (TAG) applications	0469	1652-94213	006	2302
92/11/06	- C H 2 M Hill	-	Analytical data for tests performed on sludge collected on 10/28/92 fr ICIA treatment plant at site, w/2 TLs	1343	1652-03015	022	2103
92/11/06	Fraser Felter- Environmental Protection Agency - Region 9	Marcia Howe- Shasta Natural Science Assoc	Ltr: acknowledges receipt of ltr of intent to apply for TAG	1711	1652-95244	033	0544
92/11/16	Fraser Felter- Environmental Protection Agency - Region 9	-	Public Notice re TAG applications (placed in Redding Record Searchlight)	1712	1652-95241	033	0546
92/11/17	- US Dept of Interior - Bureau of Reclamation	-	Draft workplan, interim authorization	0013	1652-93172	001	0492
92/11/17	Brian Spiller- ICI Americas, Inc	Richard Guimond- Environmental Protection Agency	Ltr: Science advisory Bd evaluation of plugging alternative	0471	1652-94418	006	2307
92/11/17	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: IMM monitoring program with modifications	0470	1652-94417	006	2304
92/11/20	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: TAC mtg for Keswick Reservoir sediment study, w/memo & ltr re organic carbon analyses 11/16/92	1713	1652-03711	033	0548
92/11/25	Neal Dixon- C H 2 M Hill	Thomas Hunter- US Dept of Interior - Geological Survey	Ltr: Transmits design computations for SCDD flow measuring structure, w/encl	0472	1652-03313	006	2309
92/12/01	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	Harry Rectenwald- CA Dept of Fish & Game	Ltr: EPA clean lakes grant - Keswick sediment study comments	0473	1652-94419	006	2321
92/12/01	- US Dept of Interior - Bureau of Reclamation	-	Statement of work (SOW), Spring Creek Debris Dam (SCDD), enlargement (structural raise), w/marginalia	0014	1652-02934	001	0497
92/12/02	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	Daryl Greenway- C H 2 M Hill	Ltr: Returning compilation of Omni data information to Regional Bd	0474	1652-94420	006	2324

92/12/04	- US Dept of Interior - Bureau of Reclamation	-	Remedial design (RD) costs w/TL to R Sugarek fr K Doebbler	0015	1652-02228	001	0586
92/12/07	Lee Erickson-ICI Americas, Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Monthly rpt for 11/92	1344	1652-93718	022	2115
92/12/08	Peter Lawson- C H 2 M Hill	-	Technical memo: Sidewide metals loading analysis (draft), Spring Creek, w/figures	0016	1652-02195	001	0596
92/12/09	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes re Spring Creek Debris Dam RD, mtg with Bureau of Reclamation w/list of attendees, cost estimates & water level info	0017	1652-02227	001	0620
92/12/15	- Environmental Protection Agency - Region 9	-	Mtg: Daniel McGovern & Sacto Valley toxics campaign talking points, w/agenda, design schedule & responses to SVTC agenda items/questions	0475	1652-03314	006	2326
92/12/15	Joseph Coglaiti-ICI Americas, Inc	James Pedri- CA Regional Water Quality Control Board	Ltr: Transmits analytical results of AMD neutralization treatment system for 11/92, w/encl	0476	1652-94211	006	2334
92/12/17	Dennis Heiman-CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Requests authorization for comprehensive sample survey of sources of surface and gw drainage at IMM	0477	1652-94421	006	2338
92/12/18	Richard Guimond-Environmental Protection Agency	Brian Spiller-ICI Americas, Inc	Ltr: Peer review of proposed Stauffer/ICI plugging & treatment alternative	0478	1652-94422	006	2340
93/00/00	- C H 2 M Hill	-	Photos: Lawson adit rehabilitation oversite (7 3.5x5)	0479	1652-94561	006	2343
93/00/00	- Modutank, Inc.	-	Engineered containment systems (advertisement) (Design of Spring Creek treatment plant)	0018	1652-01643	001	0640
93/01/00	-	-	Resume w/TL to R Sugarek fr D Greenway (Redacted, FOIA ex 6)	1345	1652-03496	022	2118
93/01/00	- US Dept of Interior - Bureau of Reclamation	-	Statement of Work (SOW) for environmental analysis (EA)	0019	1652-92388	001	0653
93/01/06	Keith Takata-Environmental Protection Agency - Region 9	Richard Guimond-Environmental Protection Agency	Memo: Recommendation for Science Advisory Bd review of ICI Americas proposed "plugging with In-situ treatment" remedy for IMM	0480	1652-94424	006	2346
93/01/07	- Morrison-Knudsen Corp	-	Photos: 7 4x6 color copies, Brick Flat Pit, w/handwritten descriptions (box 3)	1714	1652-03715	033	0559

93/01/08	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek Debris Dam enlargement cost estimates, w/ marginalia & TL to R Sugarek fr K Doebbler	0020	1652-02232	001	0658
93/01/08	- US Dept of Interior - Bureau of Reclamation	-	Cost estimates re Spring Creek Debris Dam enlargement w/TL to R Sugarek fr K Doebbler	0021	1652-92389	001	0665
93/01/11	Charlie Alpers- US Dept of Interior - Geological Survey	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits memo fr Tom Hunter re reconnaissance visit on 12/1/92, of present & potential stream-gaging sites, w/attch	0290	1652-02795	005	0537
93/01/11	- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Special industrial hygiene survey - Shasta project w/TL	0481	1652-00490	006	2350
93/01/12	Roger Lindquist- C H 2 M Hill	Daryl Greenway- C H 2 M Hill	Technical memo: Draft comments on USBR statement of work (12/1/92) for raising Spring Creek Debris Dam (SCDD)	0022	1652-02945	001	0671
93/01/14	Roger Lindquist- C H 2 M Hill	Daryl Greenway, et al- C H 2 M Hill	Technical memo: Criteria & methodology for sizing raise for Spring Creek Debris Dam (draft) w/marginalia	0023	1652-93170	001	0679
93/01/20	Daryl Greenway, Roger Lindquist- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Evaluation of engineering costs for enlargement of Spring Creek Debris dam w/TL	0024	1652-92400	001	0685
93/01/22	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt	0482	1652-94403	006	2358
93/01/23	-	John Wise- Environmental Protection Agency - Region 9	Ltrs: Members of Sacramento Valley Toxics Campaign requests mtg with John Wise (200 ltrs), w/ handwritten note (Privileged FOIA ex 6)	0483	1652-03007	006	2360
93/01/26	- US Dept of Interior - Bureau of Reclamation	-	Detailed statement of work (SOW) - Spring Creek Debris Dam w/TL to R Sugarek fr K Doebbler	0025	1652-92398	001	0687
93/01/28	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Spring Creek Debris Dam hydraulic structures - considerations for design cost estimates w/TL fr BOR in Denver to R Sugarek	0026	1652-92399	001	0691
93/01/28	Charles Alpers- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Proposed trajectories for GEOPULSE traverses in lower Keswick Reservoir, w/attchs	1715	1652-94918	033	0568

93/01/29	Charles Alpers- US Dept of Interior - Bureau of Geological Survey	Krista Doebbler- US Dept of Interior - Bureau of Reclamation	Memo: activity specific addendum to Feasibility & Safety Plan of USDOJ-BOR for period of 2/1 - 5/93, w/attchs	1716	1652-94919	033	0573
93/01/30	- CA Dept of Fish & Game	-	News release: River brushed close to kill	0484	1652-91910	006	2362
93/02/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Public comment RI/ FS Old/#8 Mine Seep OU	0201	1652-02726	003	0258
93/02/05	John Spitzley- C H 2 M Hill	Kris Doebbler, Milt Schrader- US Dept of Interior - Bureau of Reclamation	Ltr: Installation of staff gauge - Spring Creek Debris Dam (SCDD)	1346	1652-93619	022	2127
93/02/05	Peter Lawson- C H 2 M Hill	-	Technical memo: IMM sitewide metals loading analysis (draft), Spring Creek, w/ map, tables & graphics	0027	1652-02933	001	0694
93/02/09	- Environmental Protection Agency - Region 9	-	List of Guidance documents consulted during development & selection of response action for IMM Superfund Site Old/#8 Mine Seep Operable Unit	0028	1652-02930	001	0740
93/02/09	- CA Regional Water Quality Control Board - Central Valley Region	-	Status of monitoring results for sample yr thru 1/15/93 w/TL to R Sugarek fr D Heiman	0485	1652-03315	006	2371
93/02/10	- Inside EPA's Superfund Report	-	Federal court rejects EPA position on mining exclusion under Superfund (Superfund Rpt)	0486	1652-94425	006	2394
93/02/12	- National Oceanic & Atmospheric Administration - National Marine Fisheries Service	-	Biological opinion for operation of federal Central Valley Project & CA State Water Project	0202	1652-05337	003	0461
93/02/16	L Freese- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits calculations for flow of Boulder Creek past Lawson portal, w/encls	1347	1652-03080	022	2130
93/02/16	Joseph Coglaiti- Zeneca Inc	James Pedri- CA Regional Water Quality Control Board	Ltr: Transmits analytical results of AMD neutralization treatment system for 01/93, w/encl	0487	1652-94210	006	2396
93/02/19	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re Spring Creek Debris Dam enlargement w/ marginalia & attchs	0029	1652-02230	001	0759
93/02/19	Jeffrey McCracken- US Dept of Interior - Bureau of Reclamation	-	Advisory re SCDD spilling - releases fr Keswick dam increased to dilute pollution fr mine drainage, w/SCDD worksheet	0488	1652-91911	006	2399
93/02/22	Richard Guimond- Environmental Protection Agency	Donald Barnes- Environmental Protection Agency	Memo: Request for Science Advisory Bd consultation on use of innovative technology for remediation of acid mine drainage	0489	1652-94426	006	2402



93/02/24	Donald Hull- C H 2 M Hill	Ray Prettyman- C H 2 M Hill	Memo: Lists cost of cadmium & zinc analysis with lower detection limits w/ TL to J Spitzley fr R Prettyman 2/24/93	0030	1652-92385	001	0778
93/02/24	Donald Hull- C H 2 M Hill	Ray Prettyman- C H 2 M Hill	Memo: Lists cost of cadmium & zinc analysis with lower detection limits w/ TL to J Spitzley fr R Prettyman 2/24/93	0490	1652-92385	006	2405
93/02/24	Ted Arman- Iron Mountain Mine, Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: IMMI permanent solution to mine water drainage problem, w/2 mine recovery rpts	0491	1652-94427	006	2407
93/02/25	Daryl Greenway- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Analytical testing - Sacramento River water samples	0492	1652-92386	006	2414

93/02/25	Daryl Greenway- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Analytical testing - Sacramento River water samples	0031	1652-92386	001	0782
93/03/00	- Environmental Protection Agency - Region 9	-	Site management plan (Redacted, FOIA ex 5)	0494	1652-03259	006	2462
93/03/00	- US Dept of Agriculture	-	Article: Acid mine drainage fr mines on national forests - management challenge (pp 1-12)	0291	1652-02766	005	0542
93/03/00	- Larry Walker Assoc	-	Pollution problems associated with inactive mines in Sacramento River Basin	0493	1652-02541	006	2416
93/03/01	- US Dept of Interior - Bureau of Reclamation	-	Statement of work (SOW), Spring Creek Debris Dam enlargement	0032	1652-02939	001	0784
93/03/01	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests notification of future mtgs re enlargement of Spring Creek reservoir	0033	1652-92391	001	0819
93/03/04	- Environmental Protection Agency	-	Superfund response alert	0495	1652-94429	006	2474
93/03/10	David Rinker- Rinker Consulting Services	- Environmental Protection Agency - Superfund Hotline	Ltr: Unsolicited proposal re mining development w/TL to J Zelikson fr J Jones 4/8/93	0496	1652-94431	006	2476
93/03/15	- C H 2 M Hill	- US Dept of Interior - Bureau of Reclamation	Ltr: Transmits cost proposal for delivery order, environmental analysis (EA) work task descriptions, w/marginalia & TL 3/24/93 fr Doebbler & attchs	0034	1652-02233	001	0821
93/03/17	- US Dept of Interior - Bureau of Reclamation	-	Analysis addressing hydrologic, hydraulic, & structural issues (technical memo) w/encls 1-3	0385	1652-01940	005	2485

93/03/18	Dennis Heiman- CA Regional Control Board - Central Valley Region	Daryl Greenway- C H 2 M Hill	Ltr: Comments/ recommendations re proposed water quality modeling effort	0035	1652-92390	001	0829
93/03/19	Rick Sugarek- Environmental Protection Agency - Region 9	Jim West- US Dept of Interior - Bureau of Reclamation	ROC: Eligibility of site for National Register per National Historic Preservation Act (handwritten)	1348	1652-93678	022	2187
93/03/22	Ray Prettyman- C H 2 M Hill	Ken Iceman- C H 2 M Hill	Memo: Evaluation of Spring Creek Debris Dam metals stratification w/encl	0036	1652-92392	001	0832
93/03/22	Ray Prettyman- C H 2 M Hill	Ken Iceman, John Spitzley- C H 2 M Hill	Memo: Summary of historical removal rates of copper, zinc & cadmium in Keswick Reservoir	0037	1652-92393	001	0837
93/03/24	-	-	Exhibit 66, pp 1- 91, Stillson deposition - copper, zinc & iron analyses	1717	1652-04191	033	0578
93/03/25	James Earles- C H 2 M Hill	- US Dept of Interior - Bureau of Reclamation	Ltr: Transmits cost proposal for delivery order & list of work task descriptions for SCDD sizing study, w/encls	0038	1652-92394	001	0840
93/03/29	James Moore- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Statement of work (SOW) for design of proposed enlargement of Spring Creek Debris Dam	0039	1652-92397	001	0846
93/03/29	David Rinker- Rinker Consulting Services	Bill Walker- Shasta County - Dept of Resource Management	Ltr: Permits for reopening of IMM	0497	1652-94430	006	2479
93/03/30	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Modeling mtg with Bureau of Reclamation re Spring Creek Debris Dam sizing study w/attchs fr CH2MHill docs	0040	1652-02231	001	0848
93/03/30	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg Notes: Statement of work (SOW) of Spring Creek Debris Dam environmental analysis (EA), w/ attch re 125 ft lift on SCDD	0041	1652-92387	001	0878
93/03/31	Daryl Greenway- C H 2 M Hill	-	Mtg notes: Spring Creek Debris Dam enlargement sizing analysis scenarios, w/TL to R Sugarek fr D Greenway 6/2/94	0292	1652-93348	005	0555
93/03/31	Ken Iceman- C H 2 M Hill	-	Spring Creek Debris dam loading equation analysis w/ flow concentration charts	0042	1652-02234	001	0882
93/03/31	- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Memo: Transmits signed statement of work (SOW) - Spring Creek Debris Dam enlargement w/o encl w/signatures	0043	1652-92396	001	0890

93/04/00	Wayne Graham- US Dept of Interior - Bureau of Reclamation	-	Sediment inflow & modified area capacity relationships, Spring Creek Debris Dam, w/TL to R Luehring fr J Thomas 4/13/93	0044	1652-02198	001	0893
93/04/00	Wayne Graham- US Dept of Interior - Bureau of Reclamation	-	Sediment inflow & modified area- capacity relationships w/TL to Luehring fr Thomas 4/13/93	0203	1652-02737	003	0551
93/04/01	Rick Sugarek- Environmental Protection Agency - Region 9	-	Richmond & Lawson AMD discharge	0498	1652-94208	006	2482
93/04/01	Dennis Heiman- CA Regional Water Quality Control Board	-	Metal load at Spring Creek upstream fr Spring Creek reservoir w/ TL to R Sugarek fr D Heiman	0499	1652-94209	006	2484
93/04/08	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Invitation to Zeneca to participate in design studies re size of Spring Creek Debris Dam enlargement & transmits Bureau SOW w/o encl	0045	1652-92395	001	0904
93/04/11	Richard Paddock- Los Angeles Times	-	Newsclip: Old mines pose immense toxic problem	0500	1652-94131	006	2487
93/04/12	John Spitzley- C H 2 M Hill	Rick Sugarek, et al- Environmental Protection Agency - Region 9	Memo: Results of computer analysis for alternatives 1, 2, & 3 re Spring Creek Debris Dam sizing study IMM water quality model w/marginalia & attch	0204	1652-93255	003	0562
93/04/14	Ted Arman- Iron Mountain Mine, Inc	-	Comment on public comment RI & FS Old/#8 mine superable unit w/TL to M Montgomery fr T Arman	0501	1652-03316	006	2489
93/04/15	Joseph Coglaiti- Zeneca Inc	James Pedri- CA Regional Water Quality Control Board	Ltr: Transmits analytical results of AMD neutralization treatment system for 3/93, w/encl	0502	1652-94207	006	2528
93/04/21	Donald Barnes- Environmental Protection Agency	Richard Guimond- Environmental Protection Agency	Memo: Request for consultation on use of innovative technology for remediation of acid mine drainage	0503	1652-94432	006	2533
93/04/22	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek cost comparisons w/TL to R Sugarek fr K Doebbler	0293	1652-93304	005	0558
93/04/27	- US Dept of Interior - Bureau of Reclamation	-	Feasibility dam enlargement alternatives (decision memo)	0386	1652-01945	005	2534
93/04/27	James Thomas- US Dept of Interior - Bureau of Reclamation	Ron Luehring- US Dept of Interior - Bureau of Reclamation	Ltr: Transmits Analysis of mean precipitation - Spring Creek Debris Dam w/encl	0205	1652-02738	003	0568

93/04/28	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Technical advisory committee mtg re Spring Creek Debris Dam enlargement w/ memo fr Bureau of Reclamation & design docs	0046	1652-02235	001	0907
93/05/06	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes (handwritten) & agenda re Spring Creek Debris dam w/attchs	0048	1652-02200	001	1103
93/05/06	Bruce Carter- Shasta County - Dept of Public Works	-	Ltr: Transmits pavement analysis of Iron Mountain Rd w/o encl	0049	1652-92376	001	1116
93/05/06	Richard Elliott- CA Dept of Fish & Game	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Proposed agenda for public mtg (5/19/93) re Keswick Reservoir chemical sediment study, w/attch info sheet	1718	1652-94987	033	0670
93/05/06	John Livingston- C H 2 M Hill	- Environmental Protection Agency - Region 9	Analyses of alternative dam sites on Spring Creek re Spring Creek Debris Dam enlargement w/TL to R Sugarek fr D Greenway	0047	1652-01713	001	1092
93/05/06	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Map: Dam site locations w/TL to R Sugarek fr D Greenway	0050	1652-92384	001	1118
93/05/13	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Modeling uncertainties - Spring Creek Debris Dam sizing study	0051	1652-01712	001	1121
93/05/14	Joseph Coglaiti- Zeneca Inc	James Pedri- CA Regional Water Quality Control Board	Ltr: Transmits analytical results of AMD neutralization treatment system for 4/93, w/encl	0504	1652-94206	006	2536
93/05/19	John Turner- CA Dept of Fish & Game	Harry Schueller- CA Water Resources Control Board	Memo: Request for cleanup & abatement account funds, w/ justification for state water pollution cleanup & abatement account funds	1719	1652-03710	033	0676
93/05/20	Steve Atkinson- Baker & McKenzie	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Clarification of EPA position on mining operation w/ TL 5/24/93	0505	1652-03262	006	2539
93/05/25	John Livingston, Daryl Greenway- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Alternative reservoir sites, Spring Creek Debris Dam enlargement project (draft)	0206	1652-02730	003	0603
93/06/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Spring Creek Debris Dam sizing study (draft) w/TL to L Erickson fr J Spitzley 7/29/93	0052	1652-01715	001	1144
93/06/00	- CA Regional Water Quality Control Board	-	Monitoring rpt, 7/92-6/93	1720	1652-01733	033	0684

93/06/00	Jon Goetzl- CA Water Resources Control Board	-	Metals implementation project - metals monitoring of Central Valley reservoir releases, 91-92	1721	1652-04100	033	0783
93/06/00	James S. Lyon-Mineral Policy Center	-	Burden of Gilt - legacy of environmental damage fr abandoned mines & what America should do about it	0506	1652-01997	006	2547
93/06/03	- Shasta Natural Science Assoc	-	Narrative project statement, pt 4 w/ TL to P Johnson 6/3/93	1722	1652-04029	033	0873
93/06/03	Robert Shanks-Sacramento County	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Transmits white paper, Pollution problems associated with inactive mines in Sacramento River Basin, w/o encl	0507	1652-91918	006	2621
93/06/07	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Spring Creek Debris Dam enlargement	0053	1652-92381	001	1267
93/06/11	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Workplan amendment #3, RD/RA oversight (redacted, FOIA ex 4)	0294	1652-02740	005	0562
93/06/11	Dallas Linford-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: EPA interagency agreements	1723	1652-94893	033	0882
93/06/14	Jim Goodwin-US Dept of Interior	Rick Sugarek-Environmental Protection Agency - Region 9	Conceptual design enlargement alternative tech memo references 1-21 & 1-13, w/2 TLs to R Sugarek fr J Goodwin 6/14/94	0295	1652-01937	005	0600
93/06/16	- US Dept of Commerce - National Oceanic & Atmospheric Administration	-	Article: Designated critical habitat - Sacramento River Winter-Run Chinook Salmon (Federal Register, v58, #114, pp 33212-33219)	0054	1652-01714	001	1270
93/06/22	Jeffrey Storer-Ropes & Gray	- US Dept of Interior - Bureau of Reclamation	Ltr: Freedom of information act (FOIA) request	0055	1652-92379	001	1279
93/06/23	Ken Iceman- C H 2 M Hill	Rick Sugarek, et al-Environmental Protection Agency - Region 9	Memo: Spring Creek Debris dam sizing - South Fork Spring Creek amendments w/encl	0056	1652-92382	001	1283
93/06/25	- US Dept of Interior - Bureau of Reclamation	-	Memo: Modification decision analysis (MDA) for Spring Creek Debris Dam w/TL fr D Achterberg to Regional director (decision memo)	0387	1652-01942	005	2594
93/06/28	Michael Hingerty-Environmental Protection Agency - Region 9	Steve Atkinson-Baker & McKenzie	Ltr: EPA position on mining operations by IMMI at site	0508	1652-91919	006	2624

93/06/29	Greg Baker- Environmental Protection Agency - Region 9	Dave Jones- Environmental Protection Agency - Region 9	Rtg slip re raising Spring Creek Debris Dam Design & IAG funding for USBR (handwritten) (Privileged, FOIA ex 5)	0296	1652-01922	005	0608
93/06/30	- US Dept of Interior - Bureau of Reclamation	-	Technical memo: Embankment & foundation response during seismic loading	0388	1652-01941	005	2609
93/07/00	Ellen Brandt-	-	Article: By figuring dollar values for wildlife & other resources, economists are changing the way americans do business (National Wildlife 6 & 7/93)	0297	1652-01929	005	0610
93/07/00	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	IMM Spring Creek Debris Dam enlargement environmental analysis	0207	1652-02729	003	0610
93/07/00	V Weston- EIMCO Process Equipment Co	- C H 2 M Hill	Treatability study at IMM for evaluation of sludge densification processes & dewatering equipment performance	1349	1652-02976	022	2189
93/07/00	V Weston- EIMCO Process Equipment Co	- C H 2 M Hill	Treatability study at IMM - Appendix A - General data including feed & chemical analysis & results re entire program	1350	1652-02977	022	2256
93/07/00	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency	Final draft for Spring Creek Debris Dam enlargement environmental analysis (EA) w/ maps, photos, technical memos & TL to Doebbler fr Pollard 7/30/93	0057	1652-02940	001	1287
93/07/08	John Spitzley- C H 2 M Hill	Rick Sugarek, Kris Doebbler- US Dept of Interior - Bureau of Reclamation	Memo: List of task descriptions & estimated costs for additional work proposed for Spring Creek Debris Dam sizing study w/ budget info	0058	1652-92383	001	1575
93/07/08	John Spitzley- C H 2 M Hill	Rick Sugarek, Kris Doebbler- US Dept of Interior - Bureau of Reclamation	Memo: List of task descriptions & estimated costs for additional work proposed for Spring Creek Debris Dam sizing study w/ budget info	0509	1652-92383	006	2628
93/07/12	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Upcoming mtg (8/31/93) with Bureau of Reclamation	0208	1652-93246	003	0895

93/07/21	Anthony Landis- CA Division of Protection Agency - Dept of Toxic Substances Control	- Rhone-Poulenc Basic Chemicals	Imminent or substantial endangerment determination & order, w/TL to T Arman & Rhone- Poulenc	0510	1652-03317	007	0001
93/07/23	Jim Haas- US Dept of Interior - Fish & Wildlife Service	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits 4 documents re Fish & Wildlife Coordination Act w/attchs	0059	1652-02222	001	1580
93/07/25	Gail Wurtzler- Davis, Graham & Stubbs, Denver	-	Article: Cleanup of mining waste sites - How clean must clean water be? (Proceedings of Rocky Mountain Mineral Law 39th Annual Institute, 1-43)	0209	1652-02733	003	0897
93/07/30	- Environmental Protection Agency - Region 9	-	Incorporation of Spring Creek Diversion with Spring Creek Dam enlargement	0061	1652-92380	001	1653
93/07/30	Dianna Young- Environmental Protection Agency - Region 9	Melinda Taplin- Environmental Protection Agency - Region 9	Memo: Approval of SNSA TAG application & workplan for site w/attchs	1725	1652-04027	033	0910
93/07/30	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Spring Creek Debris Dam 75 ft raise w/cost estimate work sheets & TL to R Sugarek fr R Luehring	0060	1652-01716	001	1623
93/07/30	Ted Arman- Iron Mountain Mine, Inc	Anthony Landis- CA Environmental Protection Agency	Ltr: Response to Imminent or substantial endangerment determination & 7/21/93 order, w/ ad	0511	1652-94433	007	0047
93/07/31	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Transmits information re on- going design & optimization studies to enlargement to Spring Creek Debris Dam, w/ encls	0062	1652-02199	001	1657
93/08/00	- US Dept of Interior - Bureau of Reclamation	-	Final Environmental Assessment & finding of no significant impact - Red Bluff diversion dam pilot pumping plant program	0512	1652-01996	007	0053
93/08/01	Edward Reich- Environmental Protection Agency - Environmental Appeals Board	-	Order to show cause why petition for reimbursement should not be dismissed as premature (in matter of Rhone- Poulenc) w/ certificate of service	0513	1652-91889	007	0198
93/08/02	- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Memo: Request for design data - Spring Creek Debris Dam enlargement w/ list of design data needs	0063	1652-92367	001	1706

93/08/04	Earl Byron- C H 2 M Hill	John Spitzley- C H 2 M Hill	Spring Creek Debris Dam w/ dissolved metal rating curves w/ tables & article by R Ferguson	0210	1652-05363	003	0942
93/08/11	David Jones- Environmental Protection Agency - Region 9	Tryg Sletteland- Sacramento River Information Center	Ltr: Transmits documents in response to FOIA request (RIN-9-1881-93) w/o encl	0514	1652-91912	007	0203
93/08/13	- US Dept of Interior - Bureau of Reclamation	-	Draft value engineering (VE) study, Spring Creek Debris Dam enlargement, conceptual design	0064	1652-02937	001	1711
93/08/13	- US Dept of Interior - Bureau of Reclamation	-	Value engineering (VE) team member workbook, Spring Creek Debris Dam enlargement, 8/9-8/13/93, w/ maps, photos & graphics	0065	1652-02938	001	1833
93/08/16	Brian Spiller- Stauffer Management Co	Anthony Landis- CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: questions state's authority to issue cleanup order	0515	1652-94438	007	0205
93/08/18	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Spring Creek Debris Dam sizing study, expected impacts of Title 34, Endangered Species Act & Delta operations on Keswick releases	0211	1652-93249	003	0955
93/08/18	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	List of recipients of final draft environmental analysis (EA) w/ marginalia, w/o memo on PROSIM evaluation	0066	1652-92372	001	1925
93/08/20	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits draft of conceptual design technical memo and draft of CONCEPTC (Conceptual design concurrence) decision memo w/ encls	0067	1652-01718	001	1928
93/08/23	John Spitzley- C H 2 M Hill	Ken Iceman- C H 2 M Hill	Memo: Spring Creek Debris Dam alternatives	0212	1652-93254	003	0958
93/08/24	Jeff Zelikson- Environmental Protection Agency - Region 9	Joe Hall- US Dept of Interior - Bureau of Reclamation	Ltr: Acceptance of IAG amendment, w/ IAG amendment	1726	1652-03787	033	0928
93/08/24	Charles Alpers- US Dept of Interior - Geological Survey	Steve Milliken- US Dept of Interior - Bureau of Reclamation	Memo: Activity specific addendum to Health & Safety Plan of USDOI-BOR	1727	1652-94917	033	0939



93/08/25	Jeff Zelikson- Environmental Protection Agency - Region 9	John Weeks- US Dept of Interior Geological Survey	Ltr: Request for signature on IAG amendment, w/ IAG amendment	1728	1652-03791	033	0943
93/08/26	John Spitzley, et al- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Spring Creek Debris Dam Reservoir sizing study - expected effects of Endangered Species Act & Delta Operations on Keswick releases & SCDD w/TL	0213	1652-93256	003	0961
93/08/26	- US Dept of Interior - Bureau of Reclamation	-	Conceptual designs for enlargement of Spring Creek Debris Dam w/3 technical memos fr Bureau of Reclamation	0069	1652-02936	001	1974
93/08/26	- US Dept of Interior - Bureau of Reclamation	-	Memo: Conceptual design enlargement alternatives & preferred alternative - Spring Creek Debris Dam	0068	1652-01719	001	1962
93/08/29	Bartley Simeral- City of Indiana, PA	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Transmits "Statutory regulation of AMD fr inactive coal mine facilities" w/encl	0516	1652-03264	007	0208
93/08/30	John Weeks- US Dept of Interior - Bureau of Reclamation	Keith Takata- Environmental Protection Agency - Region 9	Interagency agreement (IAG) amendment w/TL to J Weeks fr J Johansen 5/28/96 & attchs A-C	1436	1652-95078	25	0804
93/08/30	James Cook- Shasta County	Kris Doebbler- US Dept of Interior - Bureau of Reclamation	Ltr: Spring Creek Debris Dam environmental analysis/ comments	0072	1652-92375	001	2354
93/08/30	- Environmental Protection Agency - Region 9	- US Dept of Interior - Geological Survey	Fully executed IAG amendment (signed) for technical support, w/ attchs A, B, C, & w/TL fr V Cooper to R Sugarek 9/9/93	1729	1652-03793	033	0953
93/08/30	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek Debris Dam area capacity curves	0071	1652-02225	001	2344
93/08/30	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Bureau of Reclamation Concept C w/ design docs & technical memo - conceptual design enlargement alternative for Spring Creek Debris Dam	0070	1652-01717	001	2138

93/08/31	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Spring Creek Debris Dam concept RD mtg with Stauffer Management, w/ summary discussion, cost info, SCDD sizing study & overheads	0073	1652-01720	001	2358
93/09/00	- C H 2 M Hill	-	Spring Creek Debris Dam (SCDD) sizing study - alternative results, w/attchs	0074	1652-02187	001	2393
93/09/00	- Environmental Protection Agency - Region 9	-	Monthly rpt of technical assistance grants (TAGs)	1730	1652-95229	033	0963
93/09/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Response to comments, Old/ #8 Mine OU, v2 of 2	0215	1652-02593	003	1076
93/09/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Response to comments, Old/ #8 Mine OU, v1 of 2	0214	1652-02592	003	0967
93/09/01	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Fully executed IAG amendment (signed) to extend project & budget period dates, w/TL fr V Cooper to S McMoran 9/9/93, w/attchs A & B	1732	1652-03786	033	0979
93/09/01	Donald Glaser- US Dept of Interior - Bureau of Reclamation	Keith Takata- Environmental Protection Agency - Region 9	Interagency agreement (IAG) amendment w/TL fr J Johansen to J Hall 5/28/96 & attchs B & C	1437	1652-95077	25	0813
93/09/01	Patricia Clarke- City of Shasta	John Wise- Environmental Protection Agency - Region 9	Ltr: Proposed Spring Creek Debris Dam enlargement project - environmental impact mitigation	0075	1652-92378	001	2426
93/09/01	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Interagency agreement (IAG) amendment (signed) to extend budget & project period end dates, w/TL fr J Zelikson to J Hall 8/24/93 & attchs B & C	1731	1652-03785	033	0965
93/09/02	Don Cobb- C H E C Consultants Inc	Richard Curry- Shasta County - Dept of Public Works	Ltr: Transmits construction traffic impact study re Iron Mountain Rd w/ attch	0076	1652-02186	001	2430
93/09/02	Bruce Carter- Shasta County - Dept of Public Works	Kris Doebbler- US Dept of Interior - Bureau of Reclamation	Ltr: Transmits supplemental information re environmental analysis (EA) for proposed raising (enlargement) of Spring Creek Debris Dam w/o encls	0077	1652-92377	001	2439

93/09/03	Duncan Austin- CA Division of Protection Agency - Dept of Toxic Substances Control	Jean Pollard- C H 2 M Hill	Ltr: Spring Creek Debris Dam environmental analysis (EA)	0078	1652-92373	001	2441
93/09/03	Stewart Herman- Bethlehem Steel Corp	Jim Stefanoff- C H 2 M Hill	Mtg notes: 8/31/93 meeting between Weston, Stauffer, & CH2M Hill to discuss siting of high density sludge plant	1351	1652-93933	022	2507
93/09/07	Harry Rectenwald- CA Dept of Fish & Game - Wildlife Protection Branch	Jim Pollard- C H 2 M Hill	ROC: Comments to environmental analysis (EA) re loss of yellow legged frog habitat	0080	1652-92374	001	2454
93/09/07	- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team meeting #1, final designs, Spring Creek Debris Dam Design, w/ encls 1-4	0079	1652-02177	001	2445
93/09/08	Dick Coon- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Old/#8 Mine Seep comments on pump testing	0081	1652-92784	001	2457
93/09/09	- US Dept of Interior - Bureau of Reclamation	-	EPA Spring Creek Pollution Control Program - South Fork Spring Creek diversion	0082	1652-92366	001	2463
93/09/15	Stewart Herman- Bethlehem Steel Corp	-	Memo: Comments on pilot HDS testing prelim review of phase 2 treatability study for IMM permanent AMD treatment plant, w/TL to R Sugarek fr J Spitzley	1352	1652-93938	022	2513
93/09/15	Dick Coon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Discussion of data in tables 1 & 2 (summary of flow & water quality testing 12/23/92 & 3/2/93)	0084	1652-92783	001	2477
93/09/15	- Roy F Weston, Inc	Frank Peter- Zeneca Inc	Ltr: Revised proposal to define leakage fr Old/#8 mine workings Slickrock Creek operable basin w/ attchs	0083	1652-01598	001	2468
93/09/16	- Zeneca Inc	-	Sludge management plan for 1993, w/ sheets 1-4 (engineering drawings) & TL to R Sugarek fr L Erickson 09/17/93	1353	1652-03017	022	2516
93/09/16	- Stauffer Management Co	-	Sludge management plan 1993, w/fax TL to R Sugarek fr L Freese 9/17/93	1354	1652-93697	022	2523
93/09/16	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Old/ #8 Mine Seep investigations	0085	1652-02218	001	2482

93/09/20	Jean Pollard- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Agency comments on environmental analysis (EA) for Spring Creek Debris Dam enlargement, w/9/14/93 ltr fr Army transmitting EA, w/encl	0086	1652-02183	001	2492
93/09/20	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Request for Stauffer Management Co to commit to operate emergency AMD treatment plant through 5/30/94 (handwritten), w/ rough notes	1355	1652-93698	022	2526
93/09/20	Stewart Herman- Bethlehem Steel Corp	John Spitzley- C H 2 M Hill	Memo: Comments on simple mix AMD (acid mine drainage) treatment facility drawings, w/TL to R Sugarek fr J Spitzley	1356	1652-93940	022	2529
93/09/21	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Agreement of Stauffer Management Co to commit to operate emergency AMD treatment plant through 5/30/94	1357	1652-93699	022	2533
93/09/21	Daryl Greenway- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Comments on Stauffer Management Co 1993 sludge management plan	1358	1652-93700	022	2535
93/09/22	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Requests that EPA choose 1 of 2 alternatives	0087	1652-92368	001	2502
93/09/24	- Environmental Protection Agency - Region 9	-	Record of Decision, Old/#8 Mine Seep OU	0216	1652-02588	003	1220
93/09/24	- US Dept of Interior - Bureau of Reclamation	-	Assumptions for final design w/TL to R Sugarek fr B Dewey	0088	1652-92369	001	2504
93/09/26	Tryg Sletteland- Carter House Natural Science Museum	David Jones- Environmental Protection Agency - Region 9	Ltr: Request for ongoing information re site cleanup, w/ marginalia	1359	1652-93701	022	2539
93/09/27	- C H 2 M Hill	-	Waste rock pile winterization cost options w/TL to R Sugarek fr D Smith	0517	1652-01480	007	0221
93/10/00	- Cooksley Geophysics, Inc	-	Refraction seismic survey at Slickrock Creek area w/TL to R Sugarek fr L Erickson 11/8/93	0089	1652-02191	001	2509
93/10/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	High density sludge (HDS) treatability study v1 of 2	0218	1652-01749	003	1801
93/10/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	High density sludge (HDS) treatability study v2 of 2	0217	1652-01748	003	1285
93/10/00	- Roy F Weston, Inc	- Stauffer Management Co	Slickrock Creek water sampling plan	0090	1652-02192	001	2521

93/10/01	Bob Dewey- US Dept of Interior Bureau of Reclamation	Addressees-	Mtg notes: Design team meeting #2, final designs, Spring Creek Debris Dam, w/ encls	0091	1652-02178	001	2531
93/10/01	- Environmental Protection Agency - Region 9	-	Press release: EPA awards superfund grant to Redding group	1733	1652-95239	033	0990
93/10/04	John Pollard- C H 2 M Hill	-	Workplan amendment for EA responses, w/ labor & expense plan rpt & marginalia	0092	1652-02184	001	2538
93/10/04	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re value engineering implementation, mtg with Bureau of Reclamation w/ list of attendees, agenda 10/18-21/93, cost estimates, design docs	0093	1652-02226	001	2549
93/10/04	Rick Sugarek- Environmental Protection Agency - Region 9	Larry Hall, Lee Erickson, Dick Coon- Zeneca Inc	ROC: Slickrock Creek Debris Dam issues	0094	1652-92782	001	2588
93/10/04	Dick Coon- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Comments on Failure Mode & Effects Analysis for Proposed IMM AMD Treatment System by Weston 9/93	1360	1652-03094	023	0001
93/10/06	- Environmental Protection Agency - Region 9	- Shasta Natural Science Assoc	TAG agreement	1734	1652-95240	033	0992
93/10/07	- US Dept of Interior - Bureau of Reclamation	Richard Volpe, consultant-	Ltr: Transmits data transmittal for 1st independent architect-engineer consultant review for Spring Creek Debris Dam enlargement w/o encls	0095	1652-92371	001	2594
93/10/07	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re Slick Rock studies, treatability studies, sludge management plan, & design issues (handwritten), w/ contacts, agenda, & attendees	1361	1652-03096	023	0009
93/10/08	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek Debris Dam area capacity curves	0096	1652-02224	001	2597
93/10/08	- Bureau of National Affairs California - Environmental Reporter	-	Article: Plans to clean up IMM (mining waste is subject to CERCLA)	0298	1652-93320	005	0618
93/10/12	- US Dept of Interior - Bureau of Reclamation	-	Independent architect engineering (A-E) consultant review, Spring Creek enlargement - 10/18-21/93	0097	1652-02185	001	2605

93/10/12	- US Dept of Interior - Bureau of Reclamation	-	VE (value engineering) - cost comparisons w/conceptual design alternative 1A, 3A, 2A, 1B, 2B & 3B & TL to Sugarek fr Dewey	0098	1652-92364	001	2614
93/10/15	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Slickrock Creek update (handwritten)	0099	1652-02217	001	2622
93/10/15	- US Dept of Interior - Bureau of Reclamation	-	VE (value engineering) accountability - cost comparisons w/handwritten estimate & TL to R Sugarek fr B Dewey	0101	1652-92363	001	2632
93/10/15	Kathryn Morrow, Janine Zumwalt- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: IMM database	0219	1652-93260	003	1865
93/10/15	David Eubank- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: List of issues to be discussed at project management team mtg re Spring Creek Dam enlargement	0100	1652-92360	001	2629
93/10/18	Felicia Marcus- Environmental Protection Agency - Region 9	Wally Herger- US House of Representatives	Ltr: Response to Mr Arman's concerns re cleanup, addresses solution mining approach	0299	1652-93317	005	0622
93/10/18	William Schoellkopf- Roy F Weston, Inc	Joe- Roy F Weston, Inc	Memo: Proposed Slickrock Creek weir (handwritten) w/2 TLs 10/19/93, drawings & excerpt re flumes fr Isco Open Channel Flow Measurement Handbook	0103	1652-02216	001	2646
93/10/18	Rick Sugarek- Environmental Protection Agency - Region 9	-	Handwritten notes: Slickrock Creek discussion with Stauffer Management, w/ preliminary data, sample locations & ad fr Cole-Parmer	0102	1652-02215	001	2636
93/10/19	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on Weston phase 2 treatability study rpt	1362	1652-03016	023	0020
93/10/20	- Redding Record Searchlight	-	Article: Judge voids state water pollution rules w/ TL to R Sugarek fr J Spitzley 10/21/93	0300	1652-93318	005	0625
93/10/21	- CA Dept of Conservation - Div of Mines & Geology	-	Geophysical contours of site - Slickrock Creek, w/TL fr K Curtis to R Sugarek	0104	1652-02214	001	2665
93/10/22	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Fax TL request form re Stauffer RI info	0106	1652-92780	001	2677

93/10/22	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Workplan amendment #4, (redacted, FOIA ex 4)	0301	1652-02741	005	0627
93/10/22	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson, Larry Hall- Zeneca Inc	ROC: Sampling wells	0105	1652-92773	001	2674
93/10/23	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Requests that Stauffer provide EPA with info re metal discharges fr Slickrock Creek drainage & copies of raw data, w/ attach A	0107	1652-92781	001	2679
93/10/23	Gregory Taylor-	-	Reallocation - shifting water supplies among agricultural, environmental & urban uses (Environmental Law Institute at Yosemite)	0220	1652-93257	003	1868
93/10/25	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design assumptions for final design w/ attchs	0108	1652-92362	001	2683
93/10/26	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Natural resource trustees council meeting, w/list of attendees & handwritten notes	0109	1652-02175	001	2689
93/10/27	John Spitzley, Dick Coon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on Stauffer Slickrock Creek water sampling plan	0110	1652-92779	001	2696
93/10/27	John Spitzley, Dick Coon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on Slickrock Creek Water Sampling Plan submitted by Stauffer (SMC)	0221	1652-93261	003	1874
93/10/29	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson, Larry Hall- Zeneca Inc	ROC: Slickrock status update	0111	1652-92772	001	2700
93/11/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Existing data evaluation rpt - high-density sludge treatment & equalization facility	0222	1652-02723	003	1878
93/11/00	Forrest Reynolds- CA Dept of Fish & Game	-	Article: Restoring Central Valley streams - a plan for action	0518	1652-03265	007	0228
93/11/01	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team meeting #3, final designs, Spring Creek Debris Dam, w/ encl	0112	1652-02181	001	2702
93/11/01	- Zeneca Inc	-	Manual measurements, prelim results of Cu & Zn on monitor well samples, sketch of monitor well location, tabulation of water level data w/TL	0113	1652-02207	001	2709

93/11/04	Rick Sugarek- Environmental Protection Agency - Region 9	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Ltr: Transmits Bureau of Reclamation memo re value engineering (VE) study w/encl & marginalia by R Sugarek	0114	1652-02223	001	2717
93/11/05	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Slickrock pumping project	0116	1652-92769	001	2740

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**IRON MOUNTAIN MINE****Superfund Site****September 1997 Record of Decision (part 2)****Administrative Record Index**To request copies of administrative record documents, an [electronic order form](#) is available.

The documents contained in this administrative record (AR) were used by the U.S. Environmental Protection Agency (EPA) in identifying appropriate remedial activities for the Record of Decision (ROD) signed by EPA on September 30, 1997. This ROD addresses sources in the Slickrock Creek watershed at the Iron Mountain Mine Superfund site near Redding, California. The original AR compilation and its first three supplements were referred to as "Spring Creek Debris Dam Operable Unit", because the documents supported EPA's 1994 Proposed Plan to enlarge the Spring Creek Debris Dam. For administrative convenience, Supplements 4-8 continued to be identified as "Spring Creek Debris Dam Operable Unit" even though the Proposed Plan for May 1996 did not propose enlargement or modification of the dam. With this final supplement and the signing of ROD4, however, the administrative record has finally adopted its current, more accurate title. Key documents in this administrative record include the 1994 Proposed Plan (AR #355), the 1996 Proposed Plan (AR #1424), EPA's response to comments (AR #2396 - #2400) and the ROD (AR #2395).

Eight previous administrative records are included by reference in this September 1997 Record of Decision administrative record: the October 1986 Record of Decision AR, the 1988 Removal AR, the Administrative Order 89-18 AR, the Administrative Order 91-07 AR, the Boulder Creek Operable Unit, September 1992 Record of Decision AR, the Unilateral Administrative Order 92-96 AR, the Old/#8 Mine Seep OU AR, and the Flat Creek Bridge Removal Action AR.

The administrative record file was added to as documents became available. The file was updated in nine supplements and contains 2400 documents (not including documents incorporated by reference). The cumulative index lists the documents in ascending chronological order.

The list of U.S. Environmental Protection Agency guidance documents which were considered or relied upon in the selection of the remedy are documents AR #28, #1281 and #1677. Copies of the guidance documents are contained in the Compendium of CERCLA Response Selection Guidance Documents located in the Region 9 Superfund Records Center.

March 4, 1998

**List of Abbreviations and Acronyms Used in Administrative Record Index**

Abbreviation	Meaning
ACS	American Chemical Society
ADS	Advanced Drainage Systems, Inc.
AIDS	Auto Immune Deficiency Syndrome
AIME	American Institute of Mining, Metallurgical and Petroleum Engineers
AMD	Acid Mine Drainage

AMS	Acid Mine Spillage
AO	Administrative Order
APCO	Air Pollution Control Officer
ASM	Aerated Simple Mix
Assoc	Associates
ATSDR	Agency for Toxic Substances and Disease Registry
attch	attachment
BCMO	Mouth of Boulder Creek
BFP	Brick Flat Pit
BHP	Company name
BLM	Bureau of Land Management
BOR	Bureau of Reclamation (U.S. Department of Interior)
CA	Cooperative Agreement or State of California
CADD	Computer Aided Design
CADOWR	California Department of Water Resources
CaO	Calcium Oxide
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
CFR	Code of Federal Regulations
CH2M Hill	Environmental Company
CIM	Canadian Institute of Mining
Co	Company
CONCEPTC	Conceptual Design Concurrence
CR	Contaminant Resistant
CRWQCB	California Regional Water Quality Control Board
CrystaBOND	Trademark
CVP	Central Valley Project
DFG	Department of Fish and Game
DNA	Deoxyribonucleic Acid
DOJ	Department of Justice
DTSC	California Department of Toxic Substances Control
E&MJ	Engineering and Mining Journal
EA	Environmental Analysis
EBMUD	East Bay Municipal Utilities District
EIMCO	Company name
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
encl	enclosure
EPA	Environmental Protection Agency
ESU	Evolutionarily Significant Unit
FFS	Focus Feasibility Study
FLTb	Tributary to Flat Creek
FOIA	Freedom of Information Act
FORTTRAN	Programming language
fr	from

FS	Feasibility Study
FSA	Food Security Act
FSP	Field Sampling Plan
FY	Fiscal Year
GLC	Gas Liquid Chromatography
GSA	General Services Administration
HBMS	Hudson Bay Mining and Smelting Co.
HDS	High Density Sludge
HDSTP	High Density Sludge Treatment Plan
HSPF	Hydrologic Simulation Program FORTRAN
IAG	Interagency Agreement

ICI	PRP contractor
ICIA	700 Amer. Ass. (PRP Contractor)
IM	Iron Mountain
IMM	Iron Mountain Mine
IMMI	Iron Mountain Mine, Inc.
IMMWQ	Iron Mountain Mine Water Quality
MDA	Methylenedianiline
MgO	Magnesium Oxide
MK	Morrison Knudsen
MMAJ	Metal Mining Agency of Japan
MRRC	Mining Remedial Recovery Co., Inc.
MSCA	Multi-Site Cooperative Agreement
mtg	meeting
N	North
NAWQA	National Ambient Water Quality Assessment
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OH	State of Ohio
ORC	Office of Regional Counsel
OU	Operable Unit
P&ID	Piping & Instrumentation Design
PACE	Trademark
PG&E	Pacific Gas and Electric
pH	Acidity/Alkalinity
PMF	Probable Maximum Flood
PMT	Project Management Team
PRP	Potentially Responsible Party
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
R	River
RA	Remedial Action
RA/RI	Remedial Action/Remedial Investigation
RD	Remedial Design
RD/RA	Remedial Design/Remedial Action
REVIEWC	Type of decision memo from U.S. Department of Interior
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROC	Record of Communication
ROD	Record of Decision
RP	Rhone-Poulenc
rpt	report
S	South
Sacto	Sacramento
SAP	Sampling and Analysis Plan
SCAP	Superfund Comprehensive (or Consolidated) Accomplishments Plan
SCDD	Spring Creek Debris Dam
SEA	Spaulding Environmental Associates
SEED	Safety Evaluation of Existing Dams
SF	San Francisco
SMARA	Surface Mining & Reclamation Act
SMC	Stauffer Management Co.
SNSA	Shasta Natural Science Association
SOW	Statement of Work or Scope of Work
SPECB	Specifications (having to do with bids)
SRC	Slickrock Creek

SRTPCP	Sacramento River Toxic Pollutant Control Program
SRWP	Sacramento River Watershed Program
SSP	Site Safety Plan
SVTC	Sacramento Valley Toxics Campaign
TA	Technical Assistance
TAC	Technical Advisory Committee
TAG	Technical Assistance Grant
TL	Transmittal Letter
TSC	Superfund Technical Support Center (Hotline)
UAO	Unilateral Administrative Order
UC	University of California
US	United States
USA	United States Army
USBR	United States Bureau of Reclamation (U.S. Department of Interior)
USDOJ	United States Department of Interior
USFWS	United States Fish and Wildlife Service (U.S. Department of Interior)
USGS	United States Geologic Survey
v	versus or volume
w/	with
w/o	without
WQM	Water Quality Management Plan
Zn	Zinc

### Administrative Record Index

93/11/05	- Zeneca Inc	Rick Sugarek, John Spitzley- Environmental Protection Agency - Region 9	Slickrock Creek survey results	0117	1652-92771	001	2742
93/11/05	- US Dept of Interior - Bureau of Reclamation	-	Memo: Accountability to value engineering (VE) study, Spring Creek Debris Dam	0115	1652-02176	001	2729
93/11/06	Fred Clarke- US Dept of Interior - Bureau of Reclamation	John Cyganiewicz- US Dept of Interior - Bureau of Reclamation	Memo: Feedback on Spring Creek VE (value engineering) study	0118	1652-92370	001	2745
93/11/07	Rick Sugarek- Environmental Protection Agency - Region 9	Dallas Linford- US Dept of Interior - Bureau of Reclamation	Ltr: IAG construction oversight, response to request for documents & schedule	1735	1652-94916	033	1000
93/11/07	Rick Sugarek- Environmental Protection Agency - Region 9	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Ltr: Provides approval of proposal to supplement existing instrumentation of weir below SCDD	0519	1652-91920	007	0336
93/11/08	- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Map for monitor well locations w/ TL to R Sugarek & J Spitzley fr L Erickson	0120	1652-92770	001	2749
93/11/08	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	ROC: New pump on site	0119	1652-92768	001	2747

93/11/08	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Transmits CH2M Hill terminal mem re order 93-01, waste pile stabilization for 93-94 season w/ encl	0520	1652-03266	007	0339
93/11/09	-	-	Site location map & list of analytical tests w/TL fr CH2M Hill	0121	1652-02213	001	2752
93/11/10	Rober Holquist- Redding Record Searchlight	-	Article: River activist accepts post in Seattle, w/ TL fr D Greenway to R Sugarek	0302	1652-93321	005	0651
93/11/10	Rick Sugarek- Environmental Protection Agency - Region 9	Natural Resource Trustees-	Mtg notes: Spring Creek Debris Dam modeling presentation (handwritten), w/ attchs	0122	1652-02959	001	2756
93/11/12	Dick Glanzman, Dick Coon- C H 2 M Hill	John Spizley- C H 2 M Hill	Memo: Slickrock Creek drainage, geochemical, monitoring & modeling issues, w/TL to R Sugarek fr D Smith & attach A	0123	1652-02193	001	2764
93/11/16	Dick Glanzman, et al- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Slickrock Creek drainage, geochemical, monitoring & modeling issues	0124	1652-02189	001	2774
93/11/16	Charles Howard- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: List of issues to be discussed at project management team mtg re Spring Creek Dam enlargement	0125	1652-92800	001	2784
93/11/16	- Morrison- Knudsen Corp	-	Slickrock Creek & Boulder Creek sampling location maps & analytical data, w/ marginalia (box 4)	1736	1652-04234	033	1004
93/11/16	Rick Sugarek- Environmental Protection Agency - Region 9	-	Project briefing with Keith Takata on Spring Creek Debris Dam enlargement (Redacted, FOIA ex 5)	0223	1652-92799	003	1923
93/11/17	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg with US Fish & Wildlife Service (handwritten)	0126	1652-92361	001	2787
93/11/18	Dale Smith- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits revised Slickrock Creek Water Quality Graphs w/ encl	0224	1652-93245	003	1928
93/11/18	Charles Alpers- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: transmits 11 water samples (7 surface water & 4 gw samples) fr Slickrock Creek, w/encl	0127	1652-92777	001	2793
93/11/19	William Brumbaugh- US Dept of Interior - Fish & Wildlife Service	Brian Finlayson, et al- CA Dept of Fish & Game	Determination of acid volatile sulfide & simultaneously extracted metals in sediments fr Keswick Reservoir	0128	1652-02236	001	2797

93/11/22	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Waste pile stabilization re	0521	1652-91915	007	0346
93/11/22	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes re pre-project management team mtg w/list of attendees and issues	0129	1652-02221	001	2814
93/11/22	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes: Budget mtg with Bureau of Reclamation	0131	1652-92798	001	2830
93/11/22	- US Dept of Interior - Bureau of Reclamation	-	Photos: Cement testing - 10, 7x5, in color	0130	1652-02878	001	2823
93/11/23	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes fr modelling mtg with Stauffer Mgmt	0132	1652-92797	001	2834
93/11/24	Kris Doebbler-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits statement of work (SOW), Spring Creek Debris Dam (SCDD), structural raise, w/attch	0133	1652-02201	001	2839
93/11/24	Stacey Butler, Cal Hunter- K R C R (Television station)	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Thanks for being a guest on Inquiry program	0303	1652-93319	005	0653
93/11/29	Duncan Austin-CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Results of depth to water measurements, Slickrock Creek	0134	1652-92778	002	0001
93/11/30	Felix Cook- US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmittal of study for South Fork diversion of Spring Creek re SCDD enlargement, w/ attch	0135	1652-02953	002	0004
93/12/00	- CA Regional Water Quality Control Board - Central Valley Region	-	Sacramento River Basin biotoxicity survey, results 88-90	1737	1652-04101	033	1014
93/12/01	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team mtg #4, final designs w/encl	0136	1652-92785	002	0011
93/12/01	Jean Pollard- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Summary of scope changes & transmits proposed budget to complete environmental analysis for enlargement of Spring Creek Debris Dam, w/o encl	0137	1652-92794	002	0017
93/12/02	Rick Sugarek-Environmental Protection Agency - Region 9	Larry Hall-Stauffer Management Co	ROC: Slickrock Creek update	0138	1652-92767	002	0021

93/12/02	- C H 2 M Hill	-	Cost estimate for phase 3 Spring Creek Debris Dam sizing study w/TL to R Sugarek fr J Spitzley	0139	1652-92795	002	0026
93/12/03	- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Memo: Accountability rpt, Spring Creek Debris Dam	0140	1652-02954	002	0030
93/12/03	John Livingston- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Comments on Stauffer submittal, Sludge Drying Bed Calculations	1363	1652-93966	023	0027
93/12/03	Francis McLean- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Response to accountability rpt w/rpt submitted by R Volpe 11/11/93 & TL fr F McLean to R Sugarek 1/12/94	0141	1652-02956	002	0041
93/12/04	Rick Sugarek- Environmental Protection Agency - Region 9	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Memo: Spring Creek Debris Dam enlargement design decisions	0142	1652-92796	002	0083
93/12/06	William Walker- Shasta County - Dept of Resource Management	Ted Arman- Iron Mountain Mine, Inc	Ltr: Ore removal fr IMM	0304	1652-93263	005	0655
93/12/07	Jean Pollard- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Revised scope of work (SOW) & proposed budget Spring Creek Debris Dam environmental analysis, w/labor & expense plan rpts	0143	1652-02955	002	0086
93/12/07	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Proposed agenda for 12/13/93 mtg	0144	1652-92775	002	0100
93/12/07	Robert Holquist- Redding Record Searchlight	-	Article: Bundle up - rain, snow are coming w/TL to R Sugarek fr D Greenway	0305	1652-93322	005	0658
93/12/08	- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Industrial hygiene technical assistance survey drill crew operations, Spring Creek w/TL	0522	1652-02011	007	0348
93/12/08	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Notifies Stauffer to commence treatment of Richmond & Lawson acid mine drainage (AMD) flows in accordance with AO 93-01	1364	1652-93969	023	0032
93/12/13	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Status of water level & precipitation recorders at IMM	0523	1652-94434	007	0358

93/12/13	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Slickrock Creek water resources recovery, w/list of attendees, proposed sampling prog, overheads, maps	0145	1652-02205	002	0102
93/12/14	Marcia Howe- Shasta Natural Science Assoc	Fraser Felter- Environmental Protection Agency - Region 9	Ltr: TAG update, w/marginalia	1738	1652-95231	033	1133
93/12/20	Stewart Herman- C H 2 M Hill	Jim Mavis- C H 2 M Hill	Memo: Stauffer proposal for resource recovery	0146	1652-02212	002	0158
94/00/00	Don Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	- Environmental Protection Agency - Region 9	MSCA (multi state cooperative agreement) site activity rpt	1438	1652-94729	25	0821
94/00/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Spring Creek Debris Dam sizing study	0550	1652-05196	009	0772
94/00/00	- Stauffer Management Co	-	Creek sampling program - Boulder Creek, Lawson Gate Weir	0538	1652-02545	008	1019
94/00/00	- Stauffer Management Co	-	Creek sampling program - Slick Rock Creek, confluence of Slick Rock & Spring Creek	0536	1652-02543	008	0693
94/00/00	- Stauffer Management Co	-	Precipitation summaries - App B to historical fact rpt	0539	1652-03108	008	1068
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v6 of 8	0534	1652-02125	008	0252
94/00/00	- Morrison- Knudsen Corp	-	Abstract of proposals - Brick Flat Pit sulfide capping base bid (box 10)	1741	1652-95000	033	1172
94/00/00	- Morrison- Knudsen Corp	-	Abstract of proposals - Slickrock clean water diversion base bid (box 6, box 10)	1740	1652-94880	033	1170
94/00/00	- Stauffer Management Co	-	Creek sampling program - Boulder Creek, confluence of Boulder & Spring Creek	0537	1652-02544	008	0845
94/00/00	- Stauffer Management Co	-	Creek sampling program - Spring Creek, Spring Creek weir	0535	1652-02542	008	0540
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v1 of 8	0533	1652-02124	008	0001
94/00/00	- Morrison- Knudsen Corp	-	Grain distribution curves (box 10)	1742	1652-95417	033	1174



94/00/00	- Morrison-Knudsen Corp	-	Handwritten notes: AMD calculations (box 2 set 2)	1746	1652-95559	033	1185
94/00/00	- C H 2 M Hill	-	Photos: 30 4x5 in color, site visit	0552	1652-93917	009	0925
94/00/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	Summary discussion - factors affecting SCDD storage requirements	0553	1652-94199	009	0934
94/00/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	IMM Spring Creek Debris Dam calculations w/ marginalia	0306	1652-02746	005	0660
94/00/00	- Morrison-Knudsen Corp	-	Cost summary for treatment of Slick Rock Creek AMD, w/ marginalia (box 2 set 2)	1743	1652-95429	033	1176
94/00/00	Anne Connell-Morrison-Knudsen Corp	-	Handwritten notes: Comments fr A Christiansen re cost estimates (box 2 set 2)	1744	1652-95430	033	1178
94/00/00	- Morrison-Knudsen Corp	-	Draft presentation visuals for Slickrock Creek treatment (box 2 set 2)	1739	1652-03929	033	1135
94/00/00	- Morrison-Knudsen Corp	-	Handwritten notes: Rd treatment, prime contractors, culp soil stabilization (box 5)	1745	1652-95438	033	1180
94/00/00	- Stauffer Management Co	-	Shasta dam monthly operation summary - App C to historical fact rpt	0528	1652-01447	007	1756
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v7 of 8	0529	1652-01464	007	1809
94/00/00	- Stauffer Management Co	-	Selected documents reflecting contributions of other mines to metals loading in Sacramento River - App E to historical fact rpt, v2 of 2	0542	1652-03111	008	1500
94/00/00	Brian Spiller-Stauffer Management Co	-	Newsclip: Open ltr to Redding residents & neighbors of Iron Mountain re enlargement of SCDD (7/7 mtg at 7:00)	0551	1652-93911	009	0923
94/00/00	- US Dept of Interior - Bureau of Reclamation	-	Water conveyance systems - design standards #3 (Chapter 12)	0530	1652-02100	007	2046
94/00/00	- Stauffer Management Co	-	Documents supporting Shasta Dam monthly summary	0541	1652-03110	008	1192

94/00/00	- US Dept of Interior - Geological Survey	-	Elemental concentrations in sediments from Keswick reservoir sediments - table 5	0549	1652-03467	009	0764
94/00/00	- US Dept of Interior - Geological Survey	-	Keswick reservoir sediment study	0548	1652-03466	009	0753
94/00/00	- US Dept of Interior - Bureau of Reclamation	-	Chron list of runoff in 1000s of acre-ft - computed inflow to Shasta Lake 1922-1994, w/TL to R Sugarek fr V Ungvari 9/22/94	0554	1652-94556	009	0941
94/00/00	- Stauffer Management Co	-	Various summaries of water quality - App F to historical fact rpt	0543	1652-03112	008	1710
94/00/00	- Stauffer Management Co	-	Selected documents reflecting contributions of other mines to metals loading in Sacramento River - App E to historical fact rpt, v1 of 1	0547	1652-03116	009	0593
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v8 of 8	0532	1652-02108	007	2361
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v3 of 8	0527	1652-01101	007	1391
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v4 of 8	0531	1652-02107	007	2083
94/00/00	- Stauffer Management Co	-	Technical rpts as part of Rhone-Poulenc response to water management FS	0526	1652-00232	007	0873
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v5 of 8	0525	1652-00207	007	0616
94/00/00	- Stauffer Management Co	-	Documents supporting summaries of USBR water quality measurements, v2 of 8	0524	1652-00176	007	0361
94/00/00	- Stauffer Management Co	-	Historical fact rpt - part of Rhone-Poulenc response to water management FS	0540	1652-03109	008	1174

94/00/00	- Stauffer Management Co	-	Documents supporting Spring Dam monthly summary, v1 of 2	0544	1652-03113	008	1795
94/00/00	- Stauffer Management Co	-	App to comments of Rhone-Poulenc in response to public comment water management FS issued by EPA 6/94	0546	1652-03115	009	0001
94/00/00	- Stauffer Management Co	-	Spring Creek Debris Dam daily operations summaries - App A to historical fact rpt	0545	1652-03114	008	2099
94/01/00	Robert Lewis, et al- CA Regional Water Quality Control Board - Central Valley Region	-	Monitoring results of IMM complex & receiving water - supplemental staff rpt w/attchs & TL fr D Heiman 1/31/94	0147	1652-02942	002	0165
94/01/00	Phil Doe- US Dept of Interior - Bureau of Reclamation	Besty Rieke- US Dept of Interior	Memo: Revised draft RI of OU 4, w/TL to K Doebbler fr C Alpers	0307	1652-93342	005	0712
94/01/03	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	J Ragon- Zeneca Inc	Ltr: Requests site visit to review erosion & sediment discharge resulting fr construction activity	1365	1652-93975	023	0034
94/01/05	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits draft sampling program quality assurance plan, w/attach	0148	1652-02190	002	0212
94/01/05	Rick Sugarek- Environmental Protection Agency - Region 9	-	Agenda for 1/5/94 management briefing, Spring Creek Debris Dam enlargement, w/ maps, table, graphics & diagrams (Redacted, FOIA ex 5)	0225	1652-02975	003	1934
94/01/05	Buford Holt, William Pennington- US Dept of Interior - Bureau of Reclamation	-	Spring Creek Diversion Dam enlargement - possible alternative w/TL to Spitzley fr Sugarek	0149	1652-92793	002	0234
94/01/06	Robert Holquist- Redding Record Searchlight	-	Newsclip: Keswick toxic goo probed	0308	1652-93316	005	0717
94/01/06	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team meeting #5, final designs, Spring Creek Debris Dam, w/encl	0150	1652-02182	002	0239
94/01/07	- Morrison- Knudsen Corp	-	Waste rock piles preliminary plan of investigation, w/marginalia (box 6)	1747	1652-03922	033	1188

94/01/11	Roger Lindquist- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Comments on a copy of Reclamation resposne to Value Engineering rpt & rpt of 1st A-E consultant mtg re Spring Creek Debris Dam modification	0151	1652-92791	002	0247
94/01/12	Jim Mavis, John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Byproduct recovery options (draft), Spring Creek Debris Dam (SCDD), w/ tables	0152	1652-02188	002	0252
94/01/13	Margaret Felts- CA Environmental Protection Agency - Dept of Toxic Substances Control	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Enlargement of Spring Creek Debris Dam	0153	1652-92792	002	0270
94/01/19	Alfred Christiansen- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits work proposed to control stream flow in Flat Creek & to secure Finazzo existing pump & pressure tank w/encl	0555	1652-94325	009	0947
94/01/19	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek Power Plant Investigation w/ TL to R Sugarek fr R Grimes 3/14/94	0226	1652-05379	003	1950
94/01/24	- US Dept of Interior - Bureau of Reclamation	-	Reasons to detour county road traffic around construction site for Spring Creek Dam enlargement w/ TL to R Sugarek fr B Dewey	0155	1652-93174	002	0278
94/01/24	Joseph Patten-	-	Comments on Bulletin 160-93 - CA state water development policy	0556	1652-03267	009	0953
94/01/24	Denise Klimas- US Dept of Commerce - National Oceanic & Atmospheric Administration	Natuaral Resources Trustee- US Dept of Commerce - National Oceanic & Atmospheric Administration	Ltr: Announces 1/24/94 mtg of state & federal natural resource trustee reps re IMM w/sampling info, mtg agenda & mtg notes by R Sugarek	0154	1652-92790	002	0275
94/01/26	- Stauffer Management Co	-	Mtg overheads re Slickrock Creek sampling program	0227	1652-05377	003	1957
94/01/28	Rick Sugarek- Environmental Protection Agency - Region 9	Dale Pierce- US Dept of Interior - Fish & Wildlife Service	Memo: Intent to enter into IAG with USFWS re enlargement to Spring Creek Debris Dam	0156	1652-92789	002	0284
94/02/00	Terry Mills, Frank Fisher- CA Dept of Fish & Game	-	Central Valley anadromous sport fish annual run-size, harvest & population estimates, 1967- 1991 (1st draft 6/93; revised 2nd draft 2/94)	0309	1652-01933	005	0720

94/02/01	Ron Luehring- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team meeting #6, final designs, Spring Creek Debris Dam, w/encls	0157	1652-02180	002	0290
94/02/01	Rick Sugarek- Environmental Protection Agency - Region 9	- Stauffer Management Co	ROC: conference call notes re resource recovery, w/ sampling tables fr CH2MHill	0158	1652-02211	002	0299
94/02/02	Rick Sugarek- Environmental Protection Agency - Region 9	-	Agenda for 2/2/94 management briefing, Spring Creek Debris Dam enlargement, w/ handwritten notes & other attchs (Redacted, FOIA ex 5)	0228	1652-02202	003	1992
94/02/03	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re RD at Spring Creek Debris Dam w/ draft memo re raising of SCDD, agenda for 2/3/93 mtg & design documents	0159	1652-02220	002	0309
94/02/04	- Zeneca Inc	-	Drawings: Lawson swale design plans, w/ TL to R Sugarek & J Spitzley fr L Freese	1367	1652-93998	023	0039
94/02/04	Jim Ragon- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Updates on progress & plans for erosion control at site	1366	1652-93996	023	0036
94/02/04	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Technical issues for Spring Creek Dam Enlargement w/ TL to R Sugarek fr D Eubank	0310	1652-93266	005	0789
94/02/07	Rick Sugarek- Environmental Protection Agency - Region 9	-	Agenda for 2/7/94 briefing by John Wise re Spring Creek Debris Dam enlargement, w/ attchs (Redacted, FOIA ex 5)	0229	1652-02974	003	2007
94/02/08	- US Dept of Interior - Bureau of Reclamation	-	Data rpt - operating scenarios for investigation of Spring Creek arm of Keswick Reservoir	0312	1652-02747	005	0812
94/02/08	Joseph Finazzo, resident- City of Redding	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Discussion of pumps installed on Finazzo property w/6 photos	0557	1652-94324	009	0962
94/02/08	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Workplan amendment #5 - RD/RA oversight (redacted, FOIA ex 4)	0311	1652-02742	005	0794

94/02/11	Robert Dewey- US Dept of Interior Bureau of Reclamation	Don Bricker- US Dept of Interior Bureau of Reclamation	Memo: Transmits revised memo re Project Management Team (PMT) issues according to discussions at 2/3/94 mtg, w/ encl & TL to M Hingerty fr DOJ 5/24/94	0313	1652-01930	005	0823
94/02/14	Jeffrey Storer- Ropes & Gray	Warren Hutchison- Burns & Levinson	Ltr: Document subpoena to CH2M Hill	0314	1652-93265	005	0832
94/02/16	Bob Lewis- CA Regional Water Quality Control Board - Central Valley Region	Jim Pedri, Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	Memo: Summary of results of samples in 11/93 comprehensive survey at IMM w/ Table 1 & TL to distribution list fr D Heiman 2/18/94	0160	1652-92776	002	0351
94/02/18	- Stauffer Management Co	-	Spring Creek metal loading analysis project data rpts (water quality rpts)	0161	1652-02210	002	0357
94/02/22	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re Spring Creek Debris Dam	0315	1652-02748	005	0836
94/02/23	Warren Hutchison- Burns & Levinson	Daryl Greenway- C H 2 M Hill	Ltr: Transmits ltr fr J Storer (Ropes & Gray) re subpoena served 1/2/92 w/ o encl (Privileged, FOIA ex 5)	0316	1652-02758	005	0851
94/02/23	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Proposed agenda for 3/1/94 mtg	0162	1652-92788	002	0397
94/02/23	- Zeneca Inc	- Environmental Protection Agency - Region 9	Ltr: Draft of secrecy agreement for proprietary information re resource recovery, w/TL to M Hingerty fr J Kelly	0558	1652-91909	009	0968
94/02/24	- US Dept of Interior - Bureau of Reclamation	-	Technical issues for SCDD enlargement w/ TL to R Sugarek fr D Eubank	0559	1652-91913	009	0972
94/02/25	Kenneth Iceman- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on hydrologic and hydraulic calculations for Boulder Creek culvert crossing for Lawson AMD pipeline	1368	1652-94002	023	0045
94/02/26	Jim Mavis- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Review of Stauffer byproduct recovery proposal w/ marginalia	0163	1652-02209	002	0400
94/02/28	Rick Sugarek- Environmental Protection Agency - Region 9	Matt Rumboltz- US Dept of Interior - Bureau of Reclamation	Memo: Spring Creek Debris Dam enlargement data request	0164	1652-92774	002	0408

94/02/28	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Transmits EPA review comments on Stauffer stability calculations, pipeline crossing, & hydrologic & hydraulic calculations, w/ attchs A-C	1369	1652-03147	023	0048
94/03/00	Rick Sugarek- Environmental Protection Agency - Region 9	-	Slickrock Creek weir 94 flow levels	0560	1652-94203	009	0977
94/03/01	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Addressees-	Mtg notes: Design team meeting #7, final designs, Spring Creek Debris Dam, w/encls	0165	1652-02179	002	0410
94/03/01	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re Stauffer Management work	0166	1652-02879	002	0421
94/03/01	John Spitzley- C H 2 M Hill	-	Total computed copper concentration vs flow - Lower Spring Creek gaging station 83-93 data	0561	1652-94205	009	0979
94/03/02	Rick Sugarek- Environmental Protection Agency - Region 9	-	Handwritten notes: Section 7 consultation meeting, w/ tables & list of attendees for Santa Rosa mtg	0167	1652-02950	002	0441
94/03/03	John Spitzley- C H 2 M Hill	Rick Sugarek, et al- Environmental Protection Agency - Region 9	Memo: Transmits sulfate & magnesium loading re use of magnesium hydroxide for neutralization process w/encl	0168	1652-90713	002	0463
94/03/04	Paul Capener- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits comparison of metals concentration below Keswick Reservoir in Sacramento River w/encls	0230	1652-05378	003	2020
94/03/04	- Morrison- Knudsen Corp	-	Summary of waste rock piles, proposal of engineering design services table 2-1, w/ marginalia (box 10)	1748	1652-95416	033	1199
94/03/07	Ken Iceman- C H 2 M Hill	Dale Smith- C H 2 M Hill	Memo: Spring Creek Debris Dam Feasibility Study (FS), alternate damsites w/attach A	0231	1652-02735	003	2071
94/03/08	Dale Smith, et al- C H 2 M Hill	John Spitzley- C H 2 M Hill	Scope of work for Boulder Creek & Slickrock Creek Dams feasibility technical memo	0232	1652-93259	003	2081

94/03/09	Rick Sugarek- Environmental Protection Agency - Region 9	-	Agenda for 3/9/94 briefing w/ re Longest re Spring Creek Debris Dam enlargement, w/ attch (Redacted, FOIA ex 5)	0233	1652-02973	003	2084
94/03/10	- Zeneca Inc	-	Memo: Boulder & Silckrock Creek monitoring program, metal loading summary rpt, 12/1- 2/28/94, w/2 TLs 3/10/94	0169	1652-02944	002	0466
94/03/10	Bart Prose- US Dept of Interior - Fish & Wildlife Service	Rick Sugarek- Environmental Protection Agency - Region 9	Draft SOW for Spring Creek Reservoir enlargement - impact assessment, w/ TL fr B Prose to R Sugarek	1749	1652-94986	033	1201
94/03/14	Stephen Daniels- Engineering News-Record	-	Article: Untried design pushed out west - mining reclamation	0317	1652-93323	005	0853
94/03/17	Gary Chapman- Environmental Protection Agency - Office of Research & Development	Brian Finlayson- CA Dept of Fish & Game	Ltr: Comments on CH2MHill rpt re Spring Creek Debris Dam & salmonid & copper toxicity model	0235	1652-93247	003	2100
94/03/17	Gary Chapman- Environmental Protection Agency - Office of Research & Development	Brian Finlayson- CA Dept of Fish & Game	Ltr: Comments on CH2MHill rpt on SCDD & salmonid & copper toxicity model w/ marginalia	0562	1652-91883	009	0986
94/03/17	Paul Capener- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Peripheral design items for raising Spring Creek Debris Dam	0234	1652-05367	003	2092
94/03/17	Denise Klimas- US Dept of Commerce - National Oceanic & Atmospheric Administration	Natural Resources Trustee- US Dept of Commerce - National Oceanic & Atmospheric Administration	Ltr: Announces mtg to discuss issues re preassessment screen for site	0170	1652-93176	002	0626
94/03/21	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits draft Spring Creek Debris Dam sizing study, w/encls (graphics, tables & 2 diskettes)	0171	1652-02943	002	0628
94/03/21	Jim Mavis, Dick Coon- C H 2 M Hill	John Spitzley- Environmental Protection Agency - Region 9	Memo: Notes of meeting re Stauffer Management Co (SMC) presentation on progress in field monitoring program, 3/1/94	0172	1652-02952	002	0808
94/03/23	David Eubank- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits outline for development of plan to provide public safety re enlargement of Spring Creek Debris Dam w/ encl	0236	1652-93253	003	2103



94/03/23	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re waste rock piles, rock pile piping, AMD storage, & sealing air shafts (handwritten), w/ agenda, list of attendees, & attchs	1370	1652-03150	023	0058
94/03/24	Dick Coon- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Comments of issues discussed at mtgs with Stauffer & Morrison- Knudsen on 3/23/94 w/attchs	0173	1652-01648	002	0815
94/03/25	John Spitzley, Ken Iceman- C H 2 M Hill	Robert Dewey- US Dept of Interior - Bureau of Reclamation	Memo: Cofferdam evaluation - Spring Creek Debris Dam sizing project	0237	1652-93258	003	2109
94/03/25	John Spitzley, Ken Iceman- C H 2 M Hill	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Memo: Cofferdam evaluation, Spring Creek Debris Dam sizing project w/ attchs	0174	1652-93120	002	0825
94/03/28	Ron Luehring- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits memo re hydraulic model study proposal for Spring Creek Debris Dam selective withdrawal system w/encl & TL to Sugarek fr Luehring	0175	1652-02948	002	0830
94/03/28	- US Dept of Interior - Bureau of Reclamation	-	Clear Creek inflow data w/TL to R Sugarek fr J Spitzley	0318	1652-93264	005	0855
94/03/29	Rick Sugarek- Environmental Protection Agency - Region 9	Nick Adanza, et al- US Dept of Commerce - National Oceanic & Atmospheric Administration	Mtg notes: Mtg with Natural Resource Trustee Council w/list of attendees, metal concentration data & other attchs	0176	1652-02219	002	0839
94/03/30	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality tables w/ handwritten note, list of fax #s & TL 11/4/93	0177	1652-02208	002	0851
94/04/00	- C H 2 M Hill	-	Draft IMM water quality model w/ TL to R Sugarek fr J Spitzley 4/17/94	0178	1652-01710	002	0891
94/04/00	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Spring Creek Debris dam enlargement environmental analysis	0563	1652-02204	009	0989
94/04/01	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team mtg #8, final designs	0179	1652-93175	002	1046
94/04/05	Mark Oliver- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Spring Creek debris dam preliminary mitigation opportunities	1753	1652-94920	033	1277

94/04/05	Alfred Christiansen-Zeneca Inc	Anne Connell-Morrison-Zeneca Inc	Memo: Transmits Earthwork costs for removal compensation schedule & AMD flow rates, w/o pp 4-6 & 12-24, w/pp 2-3 & 7-11 & marginalia (box 10)	1752	1652-04238	033	1268
94/04/06	Alfred Christiansen-Zeneca Inc	Lee Erickson-Zeneca Inc	Memo: Finazzo water supply w/ TL to R Sugarek fr L Erickson	0564	1652-94255	009	1181
94/04/07	Rick Sugarek-Environmental Protection Agency - Region 9	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Memo: Comments on design C concurrence memo, Slickrock Creek Debris Dam enlargement	0180	1652-93177	002	1051
94/04/08	Christine Sutton- C H 2 M Hill	John Spitzley- C H 2 M Hill	Ltr: Transmits analytical data results & quality control data w/ encls	0565	1652-02530	009	1183
94/04/08	Steve Atkinson-Baker & McKenzie	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Use of tailings piles material w/map	0566	1652-91916	009	1287
94/04/08	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Geologic design data for EPA enlargement of Spring Creek Debris Dam w/TL to R Sugarek fr D Eubank	0182	1652-01653	002	1056
94/04/08	- US Dept of Interior - Bureau of Reclamation	-	Estimate worksheet - Spring Creek Debris Dam, design C summary cost estimate (Privileged, FOIA ex 5)	0181	1652-01650	002	1054
94/04/11	- US Dept of Interior - Bureau of Reclamation	-	Design C, concurrence with final desgins of dam enlargement w/ signature page	0183	1652-01649	002	1447
94/04/11	Mark Oliver, John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: In form of telephone notes re preliminary mitigation opportunities	0238	1652-93248	003	2114
94/04/11	- US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Shasta inflow data	0319	1652-02745	005	0859
94/04/13	Michael Hingerty-Environmental Protection Agency - Region 9	Steve Atkinson-Baker & McKenzie	Ltr: Transmits model provisions for consent decree, discusses removal of tailings piles w/o encl	0567	1652-94045	009	1291

94/04/13	Tom Haldas-Zeneca Inc	Ivan Joya-Morrison-Environmental Protection Agency - Region 9	Memo: Transmits 7/14/93 memo for review of AMD conveyance pipeline & 5/91 guide for overflows & gravity drainage systems, w/ attchs (box 2 set 2)	1754	1652-03837	033	1281
94/04/14	Dave Jones-Environmental Protection Agency - Region 9	Margaret Felts-CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: Transmits fact sheets for sites likely to need state 10% cost share w/ encls (privileged, FOIA ex 5)	0320	1652-02764	005	0866
94/04/15	Jim Mavis- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Technical memo: Alternative acid mine drainage (AMD) by-product recovery process w/attchs (box 2 set 2)	0184	1652-02238	002	1469

94/04/15	Jim Mavis- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Review of Stauffer Management Co by-product recovery proposal w/attchs	0185	1652-02239	002	1476
94/04/18	- Stauffer Management Co	-	Overheads - Acid mine drainage (AMD), workplan outlines at 4/18/94 mtg	0239	1652-05344	003	2118
94/04/18	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes: Mtg with Stauffer Management re update on Spring Creek Debris Dam enlargement w/ encls	0186	1652-02237	002	1501
94/04/19	Jeff Zelikson-Environmental Protection Agency - Region 9	-	Administrative order 94-12 for RD & RA & operations & maintenance w/ attch A (Old #8 Mine Seep OU ROD) & Attch B (concept design for Old #8 Mine Seep)	1371	1652-00151	023	0141
94/04/19	Bart Prose- US Dept of Interior - Fish & Wildlife Service	-	Scope of work (SOW) for Spring Creek Reservoir Enlargement w/TL to R Sugarek fr Bart Prose	0321	1652-93267	005	0868
94/04/19	- US Dept of Interior - Bureau of Reclamation	-	Permeability test data for drill holes (supplement to Geologic Design Data for EPA enlargement of Spring Creek Debris Dam, 4/8/94)	0187	1652-01652	002	1537
94/04/19	David Jones-Environmental Protection Agency - Region 9	James Tjosvold-CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: Notification of intent to issue unilateral administrative order	1372	1652-93358	023	0250

94/04/19	David Jones- Environmental Protection Agency - Region 9	Jeff Zelikson- Environmental Protection Agency - Region 9	Memo: Transmits unilateral Administrative order for treatment O & M and RD/RA at Old #8 Mine Seep OU, w/o encl	1373	1652-93359	023	0252
94/04/19	Jeff Zelikson- Environmental Protection Agency - Region 9	Ted Arman- Iron Mountain Mine, Inc	Ltr: Transmits order 94-12 w/o encl	1374	1652-93582	023	0254
94/04/19	Jeff Zelikson- Environmental Protection Agency - Region 9	- Rhone-Poulenc Basic Chemicals Co	Ltr: Transmits order 94-12 w/o encl	1375	1652-93583	023	0257
94/04/20	- US District Court - Eastern District of California	- C H 2 M Hill	Deposition subpoena	0322	1652-93268	005	0874
94/04/20	Larry Beaton- C H 2 M Hill	Rick Sugarek, et al- Environmental Protection Agency - Region 9	Ltr: Transmits 4/5/94 ltr fr Zeneca re confidentiality request	0240	1652-93241	003	2146
94/04/20	Bobby Calvan- Redding Record Searchlight	-	Article: All shook up - quarrying rattles residents w/ TL to R Sugarek fr J Spitzley	0323	1652-93324	005	0880
94/04/21	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re discussions with design team w/ agenda	0189	1652-93182	002	1574
94/04/21	Michael Hingerty- Environmental Protection Agency - Region 9	Joseph Kelly- Zeneca Inc	Ltr: Identification of ARARs at site	0188	1652-93181	002	1570
94/04/22	Dianna Young- Environmental Protection Agency - Region 9	Jeff Zelikson- Environmental Protection Agency - Region 9	Memo: ORC weekly rpt - IMM outreach	0324	1652-93326	005	0884
94/04/22	Jean Pollard, John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Evaluation of area watershed apportionment - Spring Creek Watershed	0190	1652-01647	002	1582
94/04/22	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	2nd A-E consultant mtg, data package for enlargement of Spring Creek Debris Dam	0192	1652-01711	002	1700
94/04/22	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek Debris Dam Enlargement - Second Independent Consultant Review	0191	1652-01651	002	1597
94/04/25	- US Dept of Interior - Bureau of Reclamation	-	Sacramento River sampling rpts	0241	1652-05324	003	2151
94/04/27	Alfred Christiansen- Zeneca Inc	Lee Erickson- ICI Americas, Inc	Memo: Controlling runoff at Slickrock Creek drainage basin, w/ marginalia & TL to A Connell fr L Freese 4/28/94 (box 4)	1755	1652-95420	033	1303

94/04/28	Rick Sugarek- Environmental Protection Agency - Region 9	Bob Dewey- US Dept of Interior - Boulder Reclamation	Memo: EPA concurrency with Spring Creek Debris Dam enlargement peripheral design decisions	0243	1652-93252	003	2161
94/04/28	Denise Klimas- US Dept of Commerce - National Oceanic & Atmospheric Administration	Natural Resource Trustee Representative-	Ltr: Announces 5/5/94 mtg of Natural Resources Trustee Council in Redding for site tour w/o map w/ TL to R Sugarek fr D Klimas	0242	1652-93250	003	2159
94/04/29	D Murcock- Cominco, Ltd	-	Article: Treatment of acid mine drainage by high density sludge (HDS) process	0568	1652-03245	009	1294
94/04/29	Warren Hutchison- Burns & Levinson	Robert Nutt- C H 2 M Hill	Ltr: Transmits ltr fr P Galvani to W Hutchison re Burns & Levinson response to Rhone- Poulenc demand for IMM docs w/ encl & TL	0245	1652-05342	003	2184
94/04/29	Larry Beaton- C H 2 M Hill	Rick Sugarek, et al- Environmental Protection Agency - Region 9	Memo: Subpoenas served on CH2MHill by IMM PRPs	0246	1652-93242	003	2192
94/04/29	John Spitzley, et al- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Reconnaissance- level evaluation of AMD containment dams & treatment facilities for area source AMD on Boulder & Slickrock Creeks	0244	1652-02722	003	2166
94/04/31	- Zeneca Inc	-	Summary & data tables - surface water sampling proj, copper & zinc analysis, Slick Rock & Boulder Creek streams w/ TL to Erickson & Peter fr Ekoniak	0569	1652-02548	009	1307
94/05/00	- Environmental Protection Agency - Office of Research & Development	-	List of new technology transfer publications (Technology transfer)	0570	1652-03241	009	1581
94/05/00	Rick Sugarek- Environmental Protection Agency - Region 9	Duncan Austin- CA Environmental Protection Agency - Dept of Toxic Substances Control	Proposed plan for treatment of Slickrock Creek base flows & enlargement of Spring Creek Reservoir w/TL to D Austin fr R Sugarek 5/23/94	0325	1652-02739	005	0887
94/05/00	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	IMM Spring Creek Debris Dam enlargement environmental analysis	0247	1652-02724	003	2195
94/05/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Agency review draft water management feasibility study (FS)	0249	1652-02727	004	0001
94/05/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	IMM water quality model	0248	1652-02725	003	2407

94/05/01	- C H 2 M Hill	-	Bureau of Reclamation Final test results below Keswick Dam	0326	1652-93269	005	0910
94/05/01	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team mtg #9, final designs w/ attch	0250	1652-93251	004	0345
94/05/02	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Coordination of IMM site remediation activities	0327	1652-93270	005	0916
94/05/02	Jean Pollard, John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Evaluation of area watershed apportionment, Spring Creek watershed	0253	1652-05368	004	0405
94/05/02	Jean Pollard, John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Evaluation of area watershed apportionment - Spring Creek Watershed	0251	1652-02721	004	0351
94/05/02	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Coordination of site remediation activities	0328	1652-93311	005	0919
94/05/02	Rick Sugarek- Environmental Protection Agency - Region 9	Robert Dewey- US Dept of Interior - Bureau of Reclamation	Memo: Transmits review comments & questions re USBR final designs for SCDD (Spring Creek Debris Dam) enlargement w/encl	0252	1652-05339	004	0367
94/05/03	Joseph Kelly- Zeneca Inc	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Opposes SCDD enlargement	0572	1652-94102	009	1596
94/05/03	Joseph Kelly- Zeneca Inc	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Enlargement of Spring Creek Debris Dam (SCDD)	0571	1652-93244	009	1594
94/05/03	Joseph Kelly- Zeneca Inc	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Enlargement of Spring Creek Debris Dam (SCDD)	0254	1652-93244	004	0421
94/05/05	Joseph Kelly- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Requests EIS & EIR for expanded SCDD	0573	1652-94128	009	1599
94/05/05	- Morrison-Knudsen Corp	- Stauffer Management Co	Preliminary design - Old/#8 mine seep AMD collection & conveyance system, w/figures 3 & 4 & attch H (box 9)	1756	1652-03925	033	1307
94/05/06	Mark Oliver, John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Spring Creek Debris Dam, conceptual mitigation alternatives w/ attch 1	0255	1652-05360	004	0424
94/05/08	John Spitzley- C H 2 M Hill	Ken Iceman- C H 2 M Hill	Memo: SCDD 750 gpm treatment evaluation	0575	1652-91897	009	1614
94/05/08	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Boulder Creek & Slickrock Creek treatment evaluation, w/ attchs	0574	1652-03324	009	1602

94/05/10	Michael Hingerty- Environmental Protection Agency - Region 9	Joseph Kelly- Zeneca Inc	Ltr: Water management OU information of ARARs w/attns	0257	1652-02732	004	0473
94/05/10	- CA Dept of Fish & Game	-	Article: Water quality & water quantity needs for Chinook Salmon production in Upper Sacto R (1992 Hearing Process on SF Bay/ Sacto-San Joaquin Delta)	0256	1652-01867	004	0442
94/05/11	-	-	Article: 9th Circuit finds regulatory agencies in violation of Clean Water Act - recent federal actions w/ TL to R Sugarek fr J Spitzley	0331	1652-93325	005	0929
94/05/11	John Spitzley- C H 2 M Hill	Craig Yamada- C H 2 M Hill	Spring Creek Debris Dam sizing study - list of 7 tasks 3/4-4/24/94	0329	1652-93271	005	0922
94/05/11	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Stauffer Management Co requests that EPA provide source code version of CH2M Hill water quality model.	0258	1652-93243	004	0486
94/05/11	Daryl Greenway- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Draft text inserts - alternative 6 (revised) water management FS	0578	1652-91896	009	1628
94/05/11	Daryl Greenway- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical Memo: Alternative 5 evaluation (Ch 5) for water management FS	0576	1652-03230	009	1617
94/05/11	Daryl Greenway- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Alternative reservoir sites (Ch 2 draft insert) water management FS	0577	1652-91895	009	1624
94/05/11	Steve Atkinson- Baker & McKenzie	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Notice of intent re order 94-12	1376	1652-93581	023	0261
94/05/11	Steve Atkinson- Baker & McKenzie	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Administrative order 94-12	0330	1652-93305	005	0924
94/05/12	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Request that EPA provide source code version of CH2M Hill water quality model re enlargement of Spring Creek Debris Dam	0333	1652-93272	005	0955
94/05/12	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re Spring Creek Debris Dam, modelling, w/list of attendees, agenda & overheads	0332	1652-02750	005	0931
94/05/12	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg agenda: EPA/Stauffer modeling study mtg	0579	1652-94201	009	1634

94/05/13	Frank Peter-Zeneca Inc	Jeff Zelikson-Environmental Protection Agency - Region 9	Ltr: Request for extension to comment period re administrative order 94-12	0335	1652-93306	005	0959
94/05/13	Frank Peter-Zeneca Inc	Jeff Zelikson-Environmental Protection Agency - Region 9	Ltr: Request for extension to comment/ response period to 5/27/94 re order 94-12	1377	1652-93360	023	0266
94/05/13	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Zeneca Inc	Ltr: Response to 5/11/93 ltr re source code version of CH2M Hill Spring Creek Debris Dam model	0334	1652-93273	005	0957
94/05/15	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Pounds of copper removed using 750 gpm treatment option	0336	1652-93274	005	0961
94/05/16	Daryl Greenway- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Draft description of alternative water management 2 (WM2) FS	0580	1652-91898	009	1638
94/05/16	Jean Pollard, et al- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Technical memo: General impact comparative analysis - Spring Creek Debris Dam Enlargement Alternatives w/ encls	0259	1652-02720	004	0488
94/05/16	William Walker-Shasta County - Dept of Resource Management	Ted Arman- Iron Mountain Mine, Inc	Ltr: Ore removal fr IMM	0337	1652-93275	005	0966
94/05/16	Bill Walker-Shasta County - Dept of Resource Management	Ted Arman- Iron Mountain Mine, Inc	Ltr: Ore removal fr IMM w/TL to S Atkinson fr M Hingerty	0581	1652-94169	009	1642
94/05/18	Ted Arman- Iron Mountain Mine, Inc	William Walker-Shasta County - Dept of Resource Management	Ltr: Ore removal fr IMMI	0338	1652-93276	005	0969
94/05/18	Ken Iceman- C H 2 M Hill	- Environmental Protection Agency - Region 9	List of computer directories	0260	1652-02736	004	0495
94/05/19	Keith Takata-Environmental Protection Agency - Region 9	Margaret Felts-CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: Site water management study - Spring Creek Debris Dam	0340	1652-93277	005	0976
94/05/19	Rick Sugarek-Environmental Protection Agency - Region 9	James Haas, Roger Wolcott-US Dept of Interior - Fish & Wildlife Service	Ltr: Transmits EPA review draft of IMM Feasibility Study (FS) rpt & cover memo w/o encls	0341	1652-93278	005	0981



94/05/19	Rick Sugarek- Environmental Protection Agency - Region 9	-	Memo: Transmits Agency review draft of Feasibility Study (FS) for Water Management Operable Unit, IMM w/o encl (privileged, FOIA ex 5)	0339	1652-02754	005	0974
94/05/20	Rick Sugarek- Environmental Protection Agency - Region 9	Bruce Macler- Environmental Protection Agency - Region 9	Ltr: Transmits Agency review draft water management feasibility study (FS) w/o atch	0343	1652-93280	005	0985
94/05/20	Jean Pollard, John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Calculation index water management feasibility study (FS)	0342	1652-93262	005	0983
94/05/23	Jim Mavis- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: By- product recovery options	0345	1652-02793	005	0989
94/05/23	- Environmental Protection Agency - Region 9	-	Site summary rpt - SCAP-02 for IMM (privileged, FOIA ex 5)	0344	1652-02759	005	0987
94/05/23	- Zeneca Inc	-	SOW for engineering design - control of rainwater runoff to minimize formation of AMD, Slickrock Creek drainage basin (box 5)	1758	1652-95418	033	1330
94/05/23	- Morrison- Knudsen Corp	-	Calculations for AMD storage volume (box 4)	1757	1652-94997	033	1328
94/05/24	- Morrison- Knudsen Corp	-	Budget direct cost estimate for AMD storage, in- progress working calculation, w/ marginalla (box 4)	1759	1652-95419	033	1336
94/05/24	- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Cost estimates for 2 dam alternatives (Privileged, FOIA ex 5)	0346	1652-02765	005	1007
94/05/24	Rick Sugarek- Environmental Protection Agency - Region 9	Denise Klimas- US Dept of Commerce - National Oceanic & Atmospheric Administration	Ltr: Transmits Agency review draft of IMM water management feasibility study (FS) rpt w/o encl	0347	1652-93300	005	1010
94/05/25	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: 6/8/94 mtg	0348	1652-93301	005	1012
94/05/26	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Stauffer response to administrative order 94-12	0353	1652-93308	005	1036

94/05/26	John Livingston, et al - C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Alternative sites (revised) - Spring Debris Dam Enlargement Project	0349	1652-02744	005	1014
94/05/26	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Stauffer response to Order 94-12 (Order completion)	1378	1652-93355	023	0268
94/05/26	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits disk containing IMM water quality model executable program & source code w/o encl	0351	1652-93302	005	1029
94/05/26	Paul Galvani-Ropes & Gray	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Notice of Rhone-Poulenc intent to comply to administrative order 94-12	1379	1652-93357	023	0272
94/05/26	Paul Galvani-Ropes & Gray	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Response to administrative order 94-12	0352	1652-93307	005	1031
94/05/26	-	-	Spring Creek Debris Dam - issues related to diversion flood routings w/TL to J Spitzley fr J Trojanowski	0350	1652-02751	005	1021
94/05/31	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek Debris Dam water quality monitoring rpt w/TL to R Sugarek fr C Sarsfield	0354	1652-02752	005	1040
94/05/31	Anne Connell-Morrison-Knudsen Corp	Lloyd Freese-Stauffer Management Co	Memo: Preliminary cost estimates for waste rock pile removal/ disposal & Old/ #8 AMD pipeline construction, w/ attchs (box 2 set 2, box 4)	1760	1652-95421	033	1338
94/06/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Spring Creek Debris Dam load analysis data rpt	0359	1652-02757	005	1817
94/06/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Water management FS	0356	1652-01939	005	1068
94/06/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Spring Creek Debris Dam sizing study w/ TL to R Sugarek fr J Spitzley 6/2/94	0357	1652-02753	005	1466
94/06/00	- CA Regional Water Quality Control Board	-	Precipitation at Shasta Dam, 93-94 (App A) & Water quality data fr routine monitoring stations, 1993-94 (App B) w/TL to R Sugarek fr D Heiman	0583	1652-03309	009	1731

94/06/00	- US Dept of Interior - Bureau of Reclamation	-	Construction of Slickrock Creek diversion, Spring Creek watershed pollution control program	1380	1652-03009	023	0277
94/06/00	- Environmental Protection Agency - Region 9	-	Fact sheet: EPA announces proposed plan for treatment of Slickrock Creek base flows & enlargement of Spring Creek reservoir	0355	1652-01938	005	1051
94/06/00	- Environmental Protection Agency - Office of Research & Development	-	Seminar series on managing environmental problems at inactive & abandoned metals mine sites w/ marginalia	0582	1652-02549	009	1645
94/06/00	-	-	Fisheries benefit analysis for proposed enlarged Spring Creek Debris Dam	0358	1652-02756	005	1618
94/06/01	Robert Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: Design team mtg #10, final designs w/ summary of design work & status rpt	0360	1652-02763	005	2078
94/06/01	Melissa Healy- Los Angeles Times	-	Newsclip: Dams must keep adequate river levels, justices rule	0362	1652-93315	005	2091
94/06/01	Glenda Chui- San Jose Mercury News	-	Newsclip: Bay contaminated with PCBs	0363	1652-93327	005	2093
94/06/01	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Transmits source code for IMM water quality model w/ o encl	0361	1652-93303	005	2089
94/06/02	Ivan Joya- Morrison- Knudsen Corp	Anne Connell- Morrison- Knudsen Corp	Answers to questions in 6/1/94 memo re pipe to landslide/ waste rock area at Old/#8 (box 4)	1762	1652-95422	033	1344
94/06/02	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Experimental proposals to treat acid mine drainage	0365	1652-93309	005	2097
94/06/02	Michael Hingerty- Environmental Protection Agency - Region 9	File-	Memo: Briefing of regional administrator Felicia Marcus re IMM (Privileged, FOIA ex 5)	0364	1652-01928	005	2095
94/06/03	- US Dept of Interior - Bureau of Reclamation	-	Back-up info for 3/92 spill w/TL to R Sugarek fr K Doebbler	0367	1652-02762	005	2110
94/06/03	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Cancels 6/8 mtg re presentation of technical data & dam enlargement w/ encls	0366	1652-02760	005	2100

94/06/06	Lee Erickson-Stauffer Environmental Protection Agency - Region 9	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: Potential 6/8/94 mtg re EPA, State, & Stauffer (SMC)	0371	1652-93313	005	2151
94/06/06	Alfred Christiansen-Zeneca Inc	Anne Connell-Morrison-Knudsen Corp	ROC: Cost estimates for Old/#8 pipeline & tanks (box 6)	1763	1652-95423	033	1346
94/06/06	Michael Hingerty-Environmental Protection Agency - Region 9	Paul Galvani-Ropes & Gray	Ltr: Rhone-Poulenc compliance with order 94-12	0373	1652-93330	005	2156
94/06/06	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Zeneca Inc	Ltr: Requests that 6/8 mtg re technical issues not be postponed	0369	1652-93310	005	2144
94/06/06	Michael Hingerty-Environmental Protection Agency - Region 9	Joseph Kelly-Zeneca Inc	Ltr: Water Management operable unit identification of ARARs	0374	1652-93331	005	2159
94/06/06	Rick Sugarek-Environmental Protection Agency - Region 9	file-	Ltr: Transmits briefing materials re alternatives considered re Water Management Feasibility Study w/attchs	0368	1652-02761	005	2123
94/06/06	Rick Sugarek-Environmental Protection Agency - Region 9	addressees-	Memo: Technical Advisory Committee (TAC) mtg 6/7/94 at EPA 9 re State issues, draft Feasibility Study (FS) sent 5/19/94	0370	1652-93312	005	2148
94/06/06	Rick Sugarek-Environmental Protection Agency - Region 9	Addressees-	Memo: Confirms EPA Technical Advisory Committee (TAC) mtg 6/7/94 re State issues, Review Draft Feasibility Study (FS)	0372	1652-93328	005	2153
94/06/06	John Spitzley- C H 2 M Hill	-	In-stream neutralization sludge production, w/ TL to R Sugarek fr J Spitzley	0375	1652-93335	005	2162
94/06/07	Charles Alpers-US Dept of Interior - Geological Survey	-	Sediment data, analytical procedures & results (draft)	0377	1652-02791	005	2168
94/06/07	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes: EPA, State, Trustee - comments on FS & proposed plan (privileged, FOIA ex 5)	0376	1652-02790	005	2166
94/06/07	Rick Sugarek-Environmental Protection Agency - Region 9	-	Outline - Spring Creek Debris Dam operating plan (draft)	0378	1652-02792	005	2181

94/06/08	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Water management study Study (FS) Schedule	0379	1652-93329	005	2201
94/06/09	- Morrison- Knudsen Corp	- Stauffer Management Co	Oversize drawings: Waste rock pile removal/ disposal - construction drawings (12) re order 93-01 (mapcase)	0585	1652-03218	009	1786
94/06/09	- US Dept of Interior - Geological Survey	-	Keswick Reservoir sediment analysis (94-95 spill data)	0586	1652-03461	009	1800
94/06/09	-	-	Groundwater level recovery - rates following pump shutdown (draft), w/ marginalia (box 2 set 2)	1764	1652-95424	033	1349
94/06/09	- US Dept of Interior - Bureau of Reclamation	-	Keswick reservoir sediment analysis	0584	1652-02133	009	1759
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Field sampling & geotechnical investigation for RD	1439	1652-03701	25	0826
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Preliminary design - Old/ #8 mine seep AMD pipeline (box 5, box 9)	1441	1652-03958	25	0925
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Preliminary design - AMD storage	1440	1652-03702	25	0895
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Preliminary design - Old/ #8 mine seep AMD pipeline, v2, collection & conveyance system, w/ marginalia (9/29/94 I Joya comments) (box 2 set 2)	1765	1652-04201	033	1354
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Oversize drawings: Old #8 acid mine drainage pipeline - construction drawings (17) re order 94-12 (mapcase)	0587	1652-03217	009	1825
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Preliminary design - waste rock pile removal & disposal	1442	1652-03959	25	0951
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Oversize drawings: Acid mine drainage storage - construction drawings (6) re order 93-01 (mapcase)	0588	1652-03222	009	1844
94/06/10	- Morrison- Knudsen Corp	- Stauffer Management Co	Preliminary design - AMD storage, w/ marginalia (box 9)	1766	1652-04332	033	1363

94/06/10	Joseph Kelly- Stauffer Environmental Protection Agency - Region 9	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Reminder that EPA should comply with 1986 ROD re RD & RA, w/TL to R Sugarek fr J Kelly 6/10/94	0380	1652-93343	005	2203
94/06/13	James Tjovold, James Pedri- CA Environmental Protection Agency - Dept of Toxic Substances Control	David Jones- Environmental Protection Agency - Region 9	Ltr: Comments on water management FS	0381	1652-93350	005	2208
94/06/13	Francis McLean- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Response to requests for inclusion of peripheral design items in SCDD enlargement	0590	1652-94047	009	1897
94/06/13	Michael Hingerty- Environmental Protection Agency - Region 9	Joseph Kelly- Stauffer Management Co	Ltr: Response to 6/10/94 ltr re request to set up meeting	0382	1652-93352	005	2213
94/06/13	Steve Markwell- US Dept of Interior - Bureau of Reclamation	-	Ltr: Transmits "comment card" responses re SCDD enlargement w/ attchs 1 & 2	0589	1652-02550	009	1852
94/06/13	- Morrison- Knudsen Corp	-	Oversize drawings: Richmond tank (13), 5/26/94- 6/13/94, w/ handwritten notes & marginalia (box 9)	1767	1652-04212	033	1393
94/06/14	- Morrison- Knudsen Corp	-	AMD storage order of magnitude estimate for tanks vs tanks/ ponds (box 2 set 2)	1768	1652-95425	033	1422
94/06/14	Rick Sugarek- Environmental Protection Agency - Region 9	David Jones- Environmental Protection Agency - Region 9	Memo: Proposed plan for water management FS, w/o encl	0383	1652-93353	005	2216
94/06/14	Rick Sugarek- Environmental Protection Agency - Region 9	David Jones- Environmental Protection Agency - Region 9	Memo: Water management proposed plan (concurrence copy)	0592	1652-94200	009	1924
94/06/14	John Resing- John H Resing	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Cleanup technologies w/ encls (article & ad)	0591	1652-03351	009	1902
94/06/16	Ken Iceman- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits spill day data, annual capacities & spreadsheets	0389	1652-01944	005	2647
94/06/16	Ken Iceman, John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Overtopping Spring Creek Debris Dam during construction	0390	1652-93354	005	2661

94/06/16	- Environmental Protection Agency - Region 9	-	Press release: EPA Superfund program plan available for public	0593	1652-94202	009	1926
94/06/20	- C H 2 M Hill	-	TLs: Site documents sent by CH2M Hill to various companies & agencies (28 TLs)	0594	1652-02115	009	1930
94/06/20	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Stauffer Management Co	ROC: Notification re proposal plan, FS & mtg	0595	1652-94198	009	1959
94/06/20	- Morrison-Knudsen Corp	- Stauffer Management Co	Old #8 acid mine drainage (AMD) pipeline - construction drawings (17), w/marginalia	1770	1652-04192	033	1450
94/06/21	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	TL: IMM metal loading study summary rpt	0596	1652-93652	009	1961
94/06/22	Michael Hingerty-Environmental Protection Agency - Region 9	Joseph Kelly-Stauffer Management Co	Ltr: Proposal to proceed with action on SCDD	0599	1652-94197	009	2019
94/06/22	- Zeneca Inc	-	IMM metal loading analysis project data reports 2/21/94-6/10/94 w/TL to R Sugarek fr L Erickson	0597	1652-02551	009	1963
94/06/22	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt w/TL to R Sugarek fr C Sarsfield	0598	1652-03233	009	2011
94/06/23	Rick Sugarek-Environmental Protection Agency - Region 9	Roger Wolcott-National Oceanic & Atmospheric Administration - National Marine Fisheries Service	Ltr: Natural resources trustee consultation	0600	1652-94196	009	2024
94/06/23	Anne Connell-Morrison-Knudsen Corp	Lloyd Freese-Stauffer Management Co	Memo: Preliminary estimates for Slick Rock Creek treatment (box 2 set 2)	1772	1652-04203	033	1484
94/06/24	Joseph Kelly-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Requests additional 30 days to submit comments on Iron Mountain water management FS	0602	1652-94195	009	2331
94/06/24	- US Dept of Interior - Bureau of Reclamation	-	Geologic design data for EPA enlargement of SCDD w/TL to R Sugarek fr D Eubank	0601	1652-02559	009	2027
94/06/27	- US Dept of Interior - Bureau of Reclamation	-	Method of procurement for construction solicitation for SCDD enlargement, w/ TL to R Sugarek fr Ron L 6/30/94	0603	1652-03268	009	2333

94/06/27	- Zeneca Inc	-	Outline on organization of alternatives w/TL to A Connell fr A Christiansen 6/28/94 (box 2 set 2)	1775	1652-95428	033	1530
94/06/27	Malcolm Watts-Zeneca Inc	-	M Watts overheads for 6/27/94 mtg, w/marginalia (box 2 set 2)	1774	1652-04205	033	1500
94/06/28	- Morrison-Knudsen Corp	-	Capital costs for Slick Rock Creek treatment alternatives & roadway drainage (box 2 set 2)	1776	1652-95431	033	1534
94/06/28	Lee Erickson-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: IMM public mtg, comment period & EPA/State/Stauffer mtg	0606	1652-94194	009	2358
94/06/28	Michael Hingerty-Environmental Protection Agency - Region 9	Paul Galvani-Ropes & Gray	Ltr: Rhone-Poulenc compliance with AO 94-12	0604	1652-94172	009	2348
94/06/28	Michael Hingerty-Environmental Protection Agency - Region 9	Joseph Kelly-Stauffer Management Co	Ltr: Cooperation between EPA & Rhone-Poulenc & decision making re proposed enlargement of SCDD	0605	1652-94193	009	2351
94/06/29	Rick Sugarek-Environmental Protection Agency - Region 9	Joseph Kelly-Stauffer Management Co	Ltr: Response to request for extension of IMM public comment period	0608	1652-94192	009	2362
94/06/29	- Morrison-Knudsen Corp	-	Hydraulic design calculations - Old #8 mine seep AMD pipeline, w/ topography map & excerpts fr Driscoppe, ADS pipe & APCO catalogs (box 7)	1777	1652-04206	033	1539
94/06/29	Brian Spiller-Stauffer Management Co	-	Ltr: To Redding residents & neighbors of Iron Mountain re EPA public mtg concerning SCDD enlargement	0607	1652-94048	009	2360
94/06/30	John Trojanowski- US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Discussion of 100-year flood scenarios & transmits SCDD summary of diversion flood routing studies w/encl	0609	1652-94049	009	2365
94/07/00	R Dow- Morrison-Knudsen Corp	-	Preliminary Slickrock Creek options (box 2 set 2)	1778	1652-95433	033	1568



94/07/01	Francis McLean-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Outlines Zeneca concerns with SCDD enlargement plans w/TL to R Sugarek fr K Doebbler 7/5/94	0610	1652-03269	009	2368
94/07/01	Francis McLean-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Addresses Zeneca concerns about SCDD enlargement	0611	1652-94050	009	2377
94/07/06	Robert Holquist-Redding Record Searchlight	-	Newsclip: IMM cleanup tackling decades of pollution w/ IMM history & how its toxic legacy flows thru north state	0613	1652-03307	009	2386
94/07/06	Jim Mayer-Sacramento Bee	-	Newsclip: US says enlarge dam to prevent Shasta mine spill	0614	1652-93909	009	2390
94/07/06	Ivan Joya-Morrison-Knudsen Corp	-	Designs, calculations & cost estimates for Old/#8 AMD pipeline. 4/5/94-7/6/94 (box 2 set 2)	1779	1652-03924	033	1571
94/07/06	-	-	Newsclip: Toxic tug-of-war	0612	1652-03229	009	2382
94/07/07	-	-	Public hearing at Red Lion Hotel, Redding CA	0616	1652-03006	009	2395
94/07/07	- Stauffer Management Co	-	Stauffer position on SCDD enlargement w/ handwout	0617	1652-93653	009	2509
94/07/07	-	-	Computer disk: IMM public hearing	0615	1652-01080	009	2392
94/07/08	- Morrison-Knudsen Corp	-	Hydraulic design calculations - Old #8 mine seep AMD pipeline (box 2 set 2, box 5, box 7)	1780	1652-03032	033	1603
94/07/08	Robert Holquist-Redding Record Searchlight	-	Newsclip: EPA, mining firm square off on Spring Creek dam	0621	1652-93905	010	0083
94/07/08	- J W Brashear Construction Inc	- Morrison-Knudsen Corp	Bid form - base bid schedule for waste rock pile removal & disposal (box 10)	1781	1652-95538	033	1632
94/07/08	- Morrison-Knudsen Corp	- Stauffer Management Co	Oversize drawings: Waste rock pile removal/disposal - construction drawings (12) re order 93-01 (mapcase)	0620	1652-03220	010	0069
94/07/08	- Morrison-Knudsen Corp	- Stauffer Management Co	Oversize drawings: Old #8 acid mine drainage (AMD) pipeline - construction drawings (24), re order 94-12 (mapcase)	0619	1652-03219	010	0043

94/07/08	Francis McLean- US Dept of Reclamation Bureau of Reclamation	Felix Cook- US Dept of Interior Bureau of Reclamation	Memo: Accountability rpt dated 5/11/TL to Sugarek fr F McLean	0618	1652-02553	010	0001
94/07/11	Rick Sugarek- Environmental Protection Agency - Region 9	Wenona Garside-	Memo: Proposed Zeneca confidentiality agreement, w/ attchs (Privileged, FOIA ex 4)	0622	1652-03318	010	0085
94/07/12	R Dow- Morrison- Knudsen Corp	-	Drawings: Sliprock Creek options 1-4, w/TL to L Hall fr R Dow (box 2 set 2)	1782	1652-04207	033	1635
94/07/12	Ivan Joya- Morrison- Knudsen Corp	-	Old #8 mine seep AMD pipeline calculations (box 2 set 2)	1783	1652-95434	033	1644
94/07/12	Ivan Joya- Morrison- Knudsen Corp	-	Old/#8 AMD pipeline calculations, ROC to L Hall & drawing (box 2 set 2)	1784	1652-95543	033	1648
94/07/15	- J W Brashear Construction Inc	- Morrison- Knudsen Corp	Bid form - alternate bid schedule for waste rock pile removal & disposal bottom geomembrane liner alternate (box 10)	1785	1652-95536	033	1652
94/07/15	-	- Morrison- Knudsen Corp	Bid form - alternate bid schedule for waste rock pile removal & disposal bottom geomembrane liner alternate (box 10)	1786	1652-95537	033	1655
94/07/16	- Redding Record Searchlight	-	Newsclip: Iron Mountain - how its toxic legacy flows through north state	0623	1652-03228	010	0087
94/07/18	- Morrison- Knudsen Corp	-	Spring Creek Debris Dam enlargement drawings, diagrams & maps	0391	1652-03346	006	0005
94/07/18	- CA Dept of Fish & Game	-	Mtg agenda: Keswick reservoir sediment toxicity study w/TL to D Greenway fr R Sugarek	0626	1652-94051	010	0109
94/07/18	- CA Dept of Fish & Game	-	Notice of public mtg	0625	1652-93904	010	0107
94/07/18	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Discusses technical review mtg	0627	1652-94052	010	0111
94/07/18	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Workplan amendment 6 for RD/RA oversight w/attchs (Privileged, FOIA ex 4)	1444	1652-03890	25	0962

94/07/18	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Workplan amendment 6 for R/F/W oversight w/contract pricing proposal cover sheet, & w/ TL to W Garside fr L Beaton (Privileged, FOIA ex 4)	1443	1652-03738	25	0960
94/07/18	Gordon Kingsley-	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Comments & proposed methods for cleanup of site, w/ encls	0624	1652-03479	010	0090
94/07/19	Wenona Garside- Environmental Protection Agency - Region 9	Larry Beaton- C H 2 M Hill	Ltr: Zeneca confidentiality agreement	0631	1652-94054	010	0134
94/07/19	- Zeneca Inc	- C H 2 M Hill	List of questions re SCDD, w/ marginalia & TL to R Sugarek fr L Erickson	0630	1652-94053	010	0131
94/07/19	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Monthly rpts for 12/92 - 6/94	1381	1652-03033	023	0314
94/07/19	Joel Medlin- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits aerial photos & maps of identified habitat areas w/ encls	0629	1652-03271	010	0124
94/07/19	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality w/ TL to R Sugarek fr C Sarsfield	0628	1652-03270	010	0114
94/07/19	Robert Holquist- Redding Record Searchlight	-	Newsclip: Rpt says sludge harms water, kills fish	0632	1652-94132	010	0136
94/07/21	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Teleconference with L Erickson, M Adams & J Spitzley re Zeneca modeling questions w/list of questions	0634	1652-94149	010	0147
94/07/21	- S.R. Hansen & Assoc	- Stauffer Management Co	Proposed study plan - trial liming of Boulder Creek & Slickrock Creek at Iron Mountain, w/TL to R Sugarek fr L Erickson 7/22/94	0633	1652-03272	010	0138
94/07/22	Michael Hingerty- Environmental Protection Agency - Region 9	Melinda Brown, resident- City of Redding	Ltr: Transmits excerpts fr Response to Comments w/o encl	0636	1652-94058	010	0152
94/07/22	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	ROC: Mtg - 7/26/94 re SMC implementation plan	0635	1652-94057	010	0150
94/07/22	Robert Shanks- Sacramento County	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests copy of executive summary of plan to reduce impacts of metal-contaminated water discharges	0637	1652-94452	010	0154

94/07/25	Michael Hingerty- Environmental Protection Agency - Region 9	John Wise- Environmental Protection Agency - Region 9	Memo: Update re proposed plan for reevaluation of area source acid mine drainage (AMD) w/attchs	0640	1652-94060	010	0164
94/07/25	Cherilyn Widell- CA Office of Historic Preservation	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Ltr: SCDD enlargement & National Historic Preservation Act	0638	1652-91881	010	0156
94/07/25	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Mtg notes: SCDD design team mtg #11, final designs	0639	1652-94059	010	0159
94/07/25	- Morrison-Knudsen Corp	-	Abstract of proposals - waste rock pile removal & disposal bottom geomembrane liner alternate (box 10)	1790	1652-95531	033	1664
94/07/25	- Morrison-Knudsen Corp	-	Abstract of proposals - waste rock pile removal & disposal base bid (box 10)	1789	1652-95530	033	1662
94/07/25	- Morrison-Knudsen Corp	-	Abstract of proposals - Old #8 mine pipeline electrical work (box 10)	1792	1652-95533	033	1668
94/07/25	- Morrison-Knudsen Corp	-	Abstract of proposals - Old #8 mine pipeline jeep trail improvement (box 10)	1788	1652-94999	033	1660
94/07/25	- Morrison-Knudsen Corp	-	Abstract of proposals - Old #8 mine pipeline & conveyance systems base bid (box 6, box 10)	1787	1652-94989	033	1658
94/07/25	- Morrison-Knudsen Corp	-	Abstract of proposals - Old #8 mine pipeline & conveyance systems alternate bid (box 10)	1791	1652-95532	033	1666
94/07/26	- Zeneca Inc	-	Proposed agenda for 7/26 mtg w/2 TLs to R Sugarek fr L Erickson 7/20 & 7/21/94	0642	1652-94055	010	0222
94/07/26	-	-	ROC: Mtg - 7/26/94 re SCDD	0643	1652-94056	010	0227
94/07/26	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Stauffer Management & EPA re Spring Creek Debris Dam enlargement w/ handouts & attendance list	0641	1652-02547	010	0168
94/07/27	- US Dept of Interior - Bureau of Reclamation	-	Status rpt & schedule for design, procurement & construction of SCDD w/TL to R Sugarek fr B Dewey	0644	1652-94061	010	0229

94/07/28	John Spitzley- C H 2 M Hill	-	Ltr: Transmits high density sludge info w/ encl & w/2 ltrs re Stauffer commitment to conduct response action per order 94-12 & technical mtg re AMD	0645	1652-02554	010	0234
94/07/28	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests high density sludge point information	0647	1652-94167	010	0280
94/07/28	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: High density sludge (HDS) point information	0646	1652-91894	010	0278
94/07/28	Rick Sugarek- Environmental Protection Agency - Region 9	Viola Cooper- Environmental Protection Agency - Region 9	Memo: USFWS IAG, documents rationale for EPA providing authorization to proceed with studies related to production of coordination act rpt	1793	1652-94912	033	1670
94/07/29	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Evaluation of magnesium oxide	0648	1652-94062	010	0283
94/07/29	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: High density sludge treatment plant RD/RA status, w/attch	0649	1652-94063	010	0286
94/07/31	Dick Coon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Comments on 7/26/94 mtg with Stauffer	0650	1652-94064	010	0291
94/08/00	- Morrison- Knudsen Corp	- Stauffer Management Co	Preliminary design for Slickrock Creek clean water diversions, w/ attchs (box 5)	1794	1652-04216	033	1672
94/08/00	- Roy F Weston, Inc	- Stauffer Management Co	Focused feasibility study rpt for mitigation of acid mine drainage releases fr Iron Mountain site near Redding - v2 of 2, attchs A-H	1384	1652-02982	023	0610
94/08/00	- Roy F Weston, Inc	- Stauffer Management Co	Focused feasibility study rpt for mitigation of acid mine drainage releases fr Iron Mountain site near Redding - v1 of 2	1383	1652-02981	023	0430
94/08/00	- Roy F Weston, Inc	- Stauffer Management Co	Evaluation of CH2M Hill & EPA Region 9 IMM water quality model - Spring Creek Debris Dam study	1382	1652-02980	023	0354

94/08/00	- Stauffer Management Co	-	Tech rpts submitted on behalf of Rhone-Poulenc Inc as part of Rhone-Poulenc's response to water management FS for inclusion in public record	1385	1652-02995	023	1008
94/08/01	Brian Spiller-Stauffer Management Co	Duncan Austin-CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: Invitation to technical mtg re effects of metals on fish in Sacramento River below Keswick w/ TL	0651	1652-94065	010	0295
94/08/02	Rick Sugarek-Environmental Protection Agency - Region 9	Joe Patton, resident- City of Redding	Ltr: Transmits info re SCDD enlargement w/o encls	0652	1652-94066	010	0299
94/08/02	Rick Sugarek-Environmental Protection Agency - Region 9	Robert Shanks-Sacramento County	Ltr: Transmits info requested in 7/22/94 ltr - proposed plan & executive summary fr EPA water management FS, w/o atchts	0654	1652-94453	010	0304
94/08/02	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Zeneca Inc	Ltr: Comments on Stauffer proposed study plan for trial liming of Slickrock Creek & Boulder Creek	0653	1652-94067	010	0301
94/08/06	Rick Sugarek-Environmental Protection Agency - Region 9	-	Ltrs re request that analyses of HDS treatment process & base flows be sent to SMC, w/attach	0655	1652-91890	010	0306
94/08/07	Jim Stefanoff- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Information request of SMC w/ related correspondence & TL to R Sugarek fr J Stefanoff & to F Peter fr M Hingerty	0656	1652-03234	010	0312
94/08/08	Jim Mavis- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: 7/26/94 mtg notes re monitoring & controlling AMD & presents new proposals for managing non-point sources of AMD w/TL 8/10/94	0657	1652-03235	010	0322
94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc - appendix A, Spring Creek Debris Dam daily operations summaries 12/63-7/86	1387	1652-02999	023	1544

94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc - app E, v2 of 2, selected docs reflecting contributions of other mines to metals loading	1392	1652-03004	023	2417
94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc for inclusion in public record - appendix F, various summaries of water quality	1393	1652-03005	024	0001
94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc - app E, v1 of 2, selected docs reflecting contributions of other mines to metals loading	1391	1652-03003	023	2257
94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc - appendix D, summaries of USBR water quality measurements	1390	1652-03002	023	2076
94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc - appendix B, precipitation summaries 1940-1994	1388	1652-03000	023	1917
94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc - appendix C, Shasta Dam monthly operation summary 1944-1994	1389	1652-03001	023	2023
94/08/08	- Stauffer Management Co	-	Historical fact rpt submitted on behalf of Rhone-Poulenc Inc as part of Rhone-Poulenc's response to water management FS for inclusion in public record	1386	1652-02998	023	1526
94/08/09	- Environmental Protection Agency - Risk Reduction Engineering Laboratory	-	Agenda for seminar on managing environmental problems at inactive & abandoned metals mine sites	0658	1652-94168	010	0336
94/08/09	- Morrison-Knudsen Corp	- Stauffer Management Co	Oversize drawings: Old #8 acid mine drainage (AMD) pipeline - revised construction drawings (19), re order 94-12 (box 10)	1795	1652-04320	033	1699

94/08/10	- Morrison-Knudsen Corp	- Stauffer Management Co	Oversize drawings: Old #8 ad #11 re drainage (AMD) pipeline - approved construction drawings #24 & #25, re order 94-12 (box 10)	1796	1652-95541	033	1732
94/08/10	Charles Alpers-US Dept of Interior - Geological Survey	Lee Erickson-Zeneca Inc	Ltr: Discussion of metal transport study & transmits info on study of sediments in Keswick Reservoir, w/o encls	0660	1652-94559	010	0341
94/08/10	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Request for Stauffer Management magnesium oxide treatment plant information	0659	1652-93647	010	0339
94/08/11	Herbert Sample-Sacramento Bee	-	Newsclip: Shasta Dam project among survivors in House-passed bill	0661	1652-93914	010	0344
94/08/12	Robert Wetzel-Stauffer Management Co	-	Use of magnesium oxide to treat Iron Mountain acid mine drainage - technical summary w/TL to Sugarek fr MaloneyHuss 8/31/94 (Privileged, FOIA ex 4)	1394	1652-03497	024	0086
94/08/12	Denise Klimas-US Dept of Commerce - National Oceanic & Atmospheric Administration	Jeffrey Zelikson-Environmental Protection Agency - Region 9	Ltr: Review of water management FS including proposed plan for treatment of Slickrock Creek base flows & enlargement of SCDD	0662	1652-94455	010	0346
94/08/12	Joann Newman-Aquatic Habitat Management Corp	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: List of products & services	0663	1652-94568	010	0352
94/08/15	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Maintenance items to be performed	0667	1652-91888	010	0376
94/08/15	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Memos: Monthly rpts 7/94-10/94 per administrative order 93-01	0664	1652-00174	010	0354
94/08/15	Residents- City of Redding	- Environmental Protection Agency - Region 9	Public comments re water management FS (Redacted, FOIA ex 6)	0665	1652-03481	010	0363
94/08/15	David Fisher- US Dept of Interior - Bureau of Reclamation	Robert Dewey-US Dept of Interior - Bureau of Reclamation	Memo: SCDD costs - early warning system cost estimate w/ handwritten notes by R Sugarek	0666	1652-91886	010	0372



94/08/16	Joseph Kelly- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Water management FS comments to be delivered to EPA 8/22/94 w/TL to M Hingerty fr J Kelly	0669	1652-91887	010	0385
94/08/16	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Spec review, 8/15- 8/16/94	0668	1652-91885	010	0380
94/08/18	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt w/TL to R Sugarek fr C Sarsfield	0671	1652-03237	010	0409
94/08/18	- Stauffer Management Co	-	Analytical results of AMD neutralization treatment system 7/94-9/94, 11/94- 3/95 w/TLS to J Pedri fr J Coglaiti per AO 93-01	0670	1652-00990	010	0388
94/08/18	Jeff Barnard- Sacramento Bee	-	Newsclip: Salmon's future bleaker, U S says	0675	1652-93913	010	0431
94/08/18	- Stauffer Management Co	- CA Regional Water Quality Control Board - Central Valley Region	Monthly analytical results of acid mine drainage neutralization treatment system for 12/93-6/94, w/TLS to J Pedri fr J Coglaiti	1395	1652-03034	024	0088
94/08/18	James Tjosvold- CA Environmental Protection Agency - Dept of Toxic Substances Control	David Jones- Environmental Protection Agency - Region 9	Ltr: Comments on water management FS & proposed plan, w/attach A & TL to R Sugarek fr D Austin	0672	1652-03350	010	0419
94/08/18	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Magnesium oxide experiments	0674	1652-93650	010	0429
94/08/18	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Will provide info on magnesium oxide experiments as soon as confidentiality agreement is reached	0676	1652-94068	010	0433
94/08/18	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Will send magnesium oxide info when agreement of confidentiality reached	0673	1652-93648	010	0427
94/08/19	Jim Stefanoff- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits RD budget forecast w/encl & TL	0678	1652-94129	010	0441
94/08/19	- Stauffer Management Co	-	Appendix to comments of Rhône-Poulenc Inc in response to public comment water management feasibility study issued by EPA in 6/94	1397	1652-02993	024	0166

94/08/19	- Stauffer Management Co	-	Comments submitted on behalf of Rhone-Poulenc in response to public comment water management FS, Spring Creek Debris Dam load analysis & data rpt, etc	1396	1652-02992	024	0103
94/08/19	- US Dept of Interior - Bureau of Reclamation	-	REVIEWC decision memo - concurrence with decisions made during specification review for dam enlargement w/ signature p & addendum	0677	1652-91874	010	0435
94/08/20	- Ropes & Gray	-	Comments submitted by Stauffer Management Co on behalf of Rhone-Poulenc in response to public comment water management FS & proposed plan issued 6/94	1399	1652-02994	024	0771
94/08/20	Brian Spiller-Stauffer Management Co	David Jones-Environmental Protection Agency - Region 9	Ltr: Alternative to EPA water management FS & reason it should be adopted, w/attach re key historical facts ignored by EPA in decision to enlarge SCDD	1398	1652-02991	024	0755
94/08/22	Lee Erickson-Stauffer Management Co	- Environmental Protection Agency - Region 9	Ltr: Transmits comments on EPA water mgt FS & notification that confidential studies re magnesium oxide will be provided, w/o attchs	1400	1652-93584	024	0867
94/08/22	David Eubank-US Dept of Interior - Bureau of Reclamation	Krista Doebbler-US Dept of Interior - Bureau of Reclamation	Memo: FY94/95 estimates for SCDD w/ltr to R Sugarek fr Krista Doebbler 8/19/94	0680	1652-94451	010	0449
94/08/22	Glen Martin-San Francisco Chronicle	-	Newsclip: Salmon lose struggle for Shasta River	0679	1652-03322	010	0445
94/08/24	- Sacramento Bee	-	Newsclip: Another dam holdup	0682	1652-91893	010	0456
94/08/24	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Stauffer Management Co	ROC: Stauffer management proposed plan submittal	0684	1652-93903	010	0463
94/08/24	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Proposed SCDD enlargement & additional technical information to be released	0681	1652-91882	010	0454

94/08/24	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Proprietary magnesium oxide information developed by Stauffer Management Co w/TL to R Sugarek fr M MaloneyHuss	0683	1652-93649	010	0458
94/08/25	David Jones-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: Proprietary magnesium oxide information developed by Stauffer	0685	1652-93651	010	0465
94/08/29	- US Dept of Interior - Bureau of Reclamation	-	FS comments fr Denver office w/ TL fr K Doebbler to R Sugarek	0686	1652-94454	010	0468
94/08/30	Mary MaloneyHuss-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmittal of documents filed on behalf of Rhone-Poulenc 8/22/94 re public comment water mgt FS, w/o attchs	1401	1652-93585	024	0870
94/08/31	Rick Sugarek-Environmental Protection Agency - Region 9	-	Shasta County mtg notes (mtg with Ed Sigmund, Casey Scott, Pat Cecil & Bill Walker)	0687	1652-94146	010	0473
94/09/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	Review comments on 8/31/94 Stauffer MgO (magnesium oxide) submittal (Privileged FOIA ex 5)	0688	1652-01936	010	0478
94/09/02	Jeri Simmons-Environmental Protection Agency - Region 9	Larry Beaton- C H 2 M Hill	Ltr: Approval to review Stauffer confidential business information claims w/TL, non-disclosure statement & memo fr R Sugarek re proprietary SMC info	0689	1652-94435	010	0480
94/09/06	Jeff Zelikson-Environmental Protection Agency - Region 9	David Jones-Environmental Protection Agency - Region 9	Decision memo: Recommends approval re USGS technical support services, w/ commitment notice & attch, w/ o SOW	1797	1652-94985	033	1737
94/09/07	Frank Michny-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Comments on water management FS & Environmental analysis	0690	1652-03238	010	0486
94/09/07	- Environmental Protection Agency - Region 9	- US Dept of Interior - Fish & Wildlife Service	Fully executed IAG amendment (signed) for technical support, w/attch A, & w/TL fr V Cooper to C Ely 9/19/94	1798	1652-03796	033	1742
94/09/07	Dan Wanket-Morrison-Knudsen Corp	-	Drawing: Typical rd access/ drainage channel section, w/TL to D Keith fr D Wanket (box 5)	1800	1652-95435	033	1760

94/09/07	- US Dept of Interior - Geological Survey	-	Metal transport in Sacramento R. implications for mine-drainage mitigation w/ Spring Creek AMD toxicity study & handwritten note fr Alpers to Sugarek	0691	1652-03438	010	0493
94/09/09	Jim Stefanoff- CH 2 M Hill	-	Memo: MgO vs CaO/HDS, w/ attchs & marginalia (privileged, FOIA ex 4)	0692	1652-03319	010	0521
94/09/16	David Jones- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: 104(e) request for information w/ mail receipt P424 454 736	0693	1652-00470	010	0523

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# IRON MOUNTAIN MINE

## Superfund Site

### September 1997 Record of Decision (part 3)

#### Administrative Record Index

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The documents contained in this administrative record (AR) were used by the U.S. Environmental Protection Agency (EPA) in identifying appropriate remedial activities for the Record of Decision (ROD) signed by EPA on September 30, 1997. This ROD addresses sources in the Slickrock Creek watershed at the Iron Mountain Mine Superfund site near Redding, California. The original AR compilation and its first three supplements were referred to as "Spring Creek Debris Dam Operable Unit", because the documents supported EPA's 1994 Proposed Plan to enlarge the Spring Creek Debris Dam. For administrative convenience, Supplements 4-8 continued to be identified as "Spring Creek Debris Dam Operable Unit" even though the Proposed Plan for May 1996 did not propose enlargement or modification of the dam. With this final supplement and the signing of ROD4, however, the administrative record has finally adopted its current, more accurate title. Key documents in this administrative record include the 1994 Proposed Plan (AR #355), the 1996 Proposed Plan (AR #1424), EPA's response to comments (AR #2396 - #2400) and the ROD (AR #2395).

Eight previous administrative records are included by reference in this September 1997 Record of Decision administrative record: the October 1986 Record of Decision AR, the 1988 Removal AR, the Administrative Order 89-18 AR, the Administrative Order 91-07 AR, the Boulder Creek Operable Unit, September 1992 Record of Decision AR, the Unilateral Administrative Order 92-96 AR, the Old/#8 Mine Seep OU AR, and the Flat Creek Bridge Removal Action AR.

The administrative record file was added to as documents became available. The file was updated in nine supplements and contains 2400 documents (not including documents incorporated by reference). The cumulative index lists the documents in ascending chronological order.

The list of U.S. Environmental Protection Agency guidance documents which were considered or relied upon in the selection of the remedy are documents AR #28, #1281 and #1677. Copies of the guidance documents are contained in the Compendium of CERCLA Response Selection Guidance Documents located in the Region 9 Superfund Records Center.

March 4, 1998

#### List of Abbreviations and Acronyms Used in Administrative Record Index

Abbreviation	Meaning
ACS	American Chemical Society
ADS	Advanced Drainage Systems, Inc.
AIDS	Auto Immune Deficiency Syndrome
AIME	American Institute of Mining, Metallurgical and Petroleum Engineers
AMD	Acid Mine Drainage

AMS	Acid Mine Spillage
AO	Administrative Order
APCO	Air Pollution Control Officer
ASM	Aerated Simple Mix
Assoc	Associates
ATSDR	Agency for Toxic Substances and Disease Registry
attch	attachment
BCMO	Mouth of Boulder Creek
BFP	Brick Flat Pit
BHP	Company name
BLM	Bureau of Land Management
BOR	Bureau of Reclamation (U.S. Department of Interior)
CA	Cooperative Agreement or State of California
CADD	Computer Aided Design
CADOWR	California Department of Water Resources
CaO	Calcium Oxide
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
CFR	Code of Federal Regulations
CH2M Hill	Environmental Company
CIM	Canadian Institute of Mining
Co	Company
CONCEPTC	Conceptual Design Concurrence
CR	Contaminant Resistant
CRWQCB	California Regional Water Quality Control Board
CrystaBOND	Trademark
CVP	Central Valley Project
DFG	Department of Fish and Game
DNA	Deoxyribonucleic Acid
DOJ	Department of Justice
DTSC	California Department of Toxic Substances Control
E&MJ	Engineering and Mining Journal
EA	Environmental Analysis
EBMUD	East Bay Municipal Utilities District
EIMCO	Company name
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
encl	enclosure
EPA	Environmental Protection Agency
ESU	Evolutionarily Significant Unit
FFS	Focus Feasibility Study
FLTB	Tributary to Flat Creek
FOIA	Freedom of Information Act
FORTTRAN	Programming language
fr	from

FS	Feasibility Study
FSA	Food Security Act
FSP	Field Sampling Plan
FY	Fiscal Year
GLC	Gas Liquid Chromatography
GSA	General Services Administration
HBMS	Hudson Bay Mining and Smelting Co.
HDS	High Density Sludge
HDSTP	High Density Sludge Treatment Plan
HSPF	Hydrologic Simulation Program FORTRAN
IAG	Interagency Agreement

ICI	PRP contractor
ICIA	702 Amer. Ass. (PRP Contractor)
IM	Iron Mountain
IMM	Iron Mountain Mine
IMMI	Iron Mountain Mine, Inc.
IMMWQ	Iron Mountain Mine Water Quality
MDA	Methylenedianiline
MgO	Magnesium Oxide
MK	Morrison Knudsen
MMAJ	Metal Mining Agency of Japan
MRRC	Mining Remedial Recovery Co., Inc.
MSCA	Multi-Site Cooperative Agreement
mtg	meeting
N	North
NAWQA	National Ambient Water Quality Assessment
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OH	State of Ohio
ORC	Office of Regional Counsel
OU	Operable Unit
P&ID	Piping & Instrumentation Design
PACE	Trademark
PG&E	Pacific Gas and Electric
pH	Acidity/Alkalinity
PMF	Probable Maximum Flood
PMT	Project Management Team
PRP	Potentially Responsible Party
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
R	River
RA	Remedial Action
RA/RI	Remedial Action/Remedial Investigation
RD	Remedial Design
RD/RA	Remedial Design/Remedial Action
REVIEWC	Type of decision memo from U.S. Department of Interior
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROC	Record of Communication
ROD	Record of Decision
RP	Rhone-Poulenc
rpt	report
S	South
Sacto	Sacramento
SAP	Sampling and Analysis Plan
SCAP	Superfund Comprehensive (or Consolidated) Accomplishments Plan
SCDD	Spring Creek Debris Dam
SEA	Spaulding Environmental Associates
SEED	Safety Evaluation of Existing Dams
SF	San Francisco
SMARA	Surface Mining & Reclamation Act
SMC	Stauffer Management Co.
SNSA	Shasta Natural Science Association
SOW	Statement of Work or Scope of Work
SPECB	Specifications (having to do with bids)
SRC	Slickrock Creek

SRTPCP	Sacramento River Toxic Pollutant Control Program
SRWP	Sacramento River Watershed Program
SSP	Site Safety Plan
SVTC	Sacramento Valley Toxics Campaign
TA	Technical Assistance
TAC	Technical Advisory Committee
TAG	Technical Assistance Grant
TL	Transmittal Letter
TSC	Superfund Technical Support Center (Hotline)
UAO	Unilateral Administrative Order
UC	University of California
US	United States
USA	United States Army
USBR	United States Bureau of Reclamation (U.S. Department of Interior)
USDOJ	United States Department of Interior
USFWS	United States Fish and Wildlife Service (U.S. Department of Interior)
USGS	United States Geological Survey
v	versus or volume
w/	with
w/o	without
WQM	Water Quality Management Plan
Zn	Zinc

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94/09/19	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt w/TL to R Sugarek fr C Sarsfield	0694	1652-03239	010	0534
94/09/21	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Design team mtg #12, final designs	0695	1652-91880	010	0545
94/09/23	Joseph Kelly- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Response to 104(e) request for information - list of objections to info request	0696	1652-91872	010	0549
94/09/26	Lee Erickson- Zeneca Inc	Dennis Heiman- CA Regional Water Quality Control Board	Ltr: Modification of Central Valley Basin plan objective in Sacramento River	0697	1652-94191	010	0554
94/09/26	Ivan Joya- Morrison-Knudsen Corp	Mark Tavelli- Morrison-Knudsen Corp	Memo: Base flow pumping system design, w/ marginalia (box 9)	1806	1652-95439	033	1810
94/09/26	Jeff Zelikson- Environmental Protection Agency - Region 9	Michael Schulters- US Dept of Interior - Geological Survey	Ltr: request for signature on IAG amendment, w/ IAG amendment & SOW	1805	1652-94908	033	1802
94/09/26	- Morrison-Knudsen Corp	-	Clean water diversion calculations - summary of excavation, rd fill, structure, rd ditch excavation volume (box 5)	1804	1652-04215	033	1793



94/09/27	- Morrison-Knudsen Corp	-	Slickrock Creek clean water discharge - Flood hydrology & hydraulic computations	0698	1652-02904	010	0557
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94/09/28	John Spitzley- C H 2 M Hill	Lloyd Freese-Stauffer Management Co	Memo: Requests cost information	0700	1652-94130	010	0720
94/09/29	Mary MaloneyHuss-Stauffer Management Co	Duncan Austin-CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: Transmits copy of PACE engineering rpt & AutoCADD topography disks re EPA proposed expansion of SCDD	0701	1652-91878	010	0722
94/09/29	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Revised feasibility cost estimates for 2-dam option & Slickrock Creek option, w/attach	0703	1652-94190	010	0731
94/09/29	Mary MaloneyHuss-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmits draft confidentiality agreement w/encl & TL to R Sugarek fr M MaloneyHuss	0702	1652-94069	010	0725
94/09/29	- US Dept of Interior - Bureau of Reclamation	-	Summary of SCDD dilution operations, 1987 to present, w/TL to R Sugarek fr K Doebbler	0704	1652-94507	010	0736
94/09/30	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	TL: Contract documents for construction of partial cap above Richmond Mine	0705	1652-91877	010	0739
94/09/30	- Environmental Protection Agency - Region 9	- US Dept of Interior - Geological Survey	Fully executed IAG amendment (signed) for technical support, w/SOW, & w/TL fr J Johansen to C Ely (undated)	1809	1652-94906	033	1818
94/10/00	- CA Regional Water Quality Control Board - Central Valley Region	-	IMM monitoring rpt w/TL fr D Heiman	0706	1652-02557	010	0741
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94/10/00	- Morrison-Knudsen Corp	-	Slickrock Creek baseflow collection system description, w/marginalia (box 9)	1812	1652-94852	033	2097

94/10/00	- Morrison-Knudsen Corp	-	Handwritten notes: Baseflow calculations (box 9)	1813	1652-95558	033	2099
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94/10/04	- Donald F Gallino, Inc	- Morrison-Knudsen Corp	Bid form - base bid schedule for Brick Flat Pit sulfide capping, w/atth p 2 (box 10)	1816	1652-95540	033	2108
94/10/04	Kevin Hennessy-Morrison-Knudsen Corp	Anne Connell-Morrison-Knudsen Corp	Ltr: Piping & instrumentation design (P&ID) status, w/ marginalia (box 9)	1814	1652-95524	033	2103
94/10/04	John Livingstone- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Prefinal design - Slickrock Creek baseflow collection & pumping system	0707	1652-94570	010	0825
94/10/05	L Freese-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	TL: Response to comments on prelim designs	0708	1652-94189	010	0831
94/10/06	Michael Hingerty-Environmental Protection Agency - Region 9	Joseph Kelly-Stauffer Management Co	Ltr: Implementation of unapproved response actions	0709	1652-91875	010	0834
94/10/06	Michael Hingerty-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: HDS information & draft confidentiality agreement	0710	1652-91876	010	0837
94/10/06	- Morrison-Knudsen Corp	-	Old/#8 & Slickrock Creek flow data, 11/30/93-1/25/94 (box 9)	1817	1652-04217	033	2111
94/10/07	Michael Hingerty-Environmental Protection Agency - Region 9	Joseph Kelly-Stauffer Management Co	Ltr: Discusses legal issues re 104 (e) request for information	0712	1652-94072	010	0843
94/10/07	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Missing info fr PACE engineering drainage study	0713	1652-94188	010	0847
94/10/07	Rick Sugarek-Environmental Protection Agency - Region 9	Jackie Lane-Environmental Protection Agency - Region 9	Site tour agenda 10/17-10/18/94 w/TL	0711	1652-91873	010	0840
94/10/07	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Confirmation of agenda for mtgs at IMM on 10/12 & 10/13/94	0714	1652-94436	010	0849
94/10/10	Jim Stefanoff- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Review comments re Stauffer submittal review - Technical summary - use of magnesium oxide to treat acid mine drainage, 8/12/94	0715	1652-03320	010	0852

94/10/10	- Morrison-Knudsen Corp	-	Bid form - base bid schedule for slickrock clean water diversion, w/marginalia (box 5)	1818	1652-95440	033	2118
94/10/11	Larry Hall-Stauffer Management Co	-	Proposed 94-95 Slickrock Creek Basin investigation	1445	1652-94685	25	0964
94/10/11	- Morrison-Knudsen Corp	-	Clean water diversion rd ditch data, calculations & drawings (box 5)	1821	1652-04219	033	2146
94/10/11	- Morrison-Knudsen Corp	-	Slick Rock Creek clean water diversion bid quantities (modified), base bid schedule & pre-final drawings, 9/15/97-10/11-97, w/marginalia (box 5)	1819	1652-04213	033	2120
94/10/11	- Morrison-Knudsen Corp	-	Air vent calculations & drawings (box 5)	1820	1652-04218	033	2139
94/10/13	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt w/TL to R Sugarek fr C Sarsfield	0716	1652-03240	010	0860
94/10/13	Steve Atkinson-Baker & McKenzie	Joseph Kelly-Stauffer Management Co	Ltr: Stauffer implementation of response action without approval of IMMI	0717	1652-94073	010	0869
94/10/14	- Morrison-Knudsen Corp	-	Sludge pond options - order-of-magnitude estimate (box 2 set 2)	1823	1652-94849	033	2171
94/10/14	- Morrison-Knudsen Corp	-	Bid form - base bid schedule for Slickrock clean water diversion (box 5)	1822	1652-94848	033	2169
94/10/18	Ken Iceman- C H 2 M Hill	-	Calculations re superelevation of roadway/channel berm, w/TL header to F Woo fr K Iceman 10/17/94 (box 2 set 2)	1824	1652-04220	033	2174
94/10/19	- Morrison-Knudsen Corp	-	Drawing: Typical cross-section, Slick Rock Creek clean water diversion, w/TL to A Christiansen fr A Connell 10/25/94 (box 2 set 2)	1826	1652-94853	033	2188
94/10/19	- Morrison-Knudsen Corp	-	Handwritten notes: Contractors, water division curb, 9/29/94-10/19/94 (box 5)	1825	1652-04214	033	2181
94/10/20	Lloyd Freese-Stauffer Management Co	Anne Connell-Morrison-Knudsen Corp	ROC: Morrison Knudsen (MK) to set up new task called baseflow 2 (box 9)	1827	1652-94850	033	2191
94/10/20	- Morrison-Knudsen Corp	- Stauffer Management Co	Scope of work for Slick Rock Creek base flow 2 (draft), w/marginalia (box 9)	1828	1652-94851	033	2194

94/10/21	Ken Iceman- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on SMO submittal pre- final design for Slickrock Creek clean water diversions	0719	1652-94572	010	0878
94/10/21	Charles Alpers- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Preliminary volume estimates completed for fine-grained bottom sediment in Keswick Reservoir w/attchs	0718	1652-94560	010	0872
94/10/21	- Morrison- Knudsen Corp	-	Abstract of proposals - Richmond Tunnel maintenance base bid (box 10)	1829	1652-94875	033	2196
94/10/24	L Freese- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Time critical response action request	0720	1652-94574	010	0883
94/10/25	Jorge Torrico- Morrison- Knudsen Corp	-	Slickrock base flow collection pumping system rpt (box 9)	1830	1652-04221	033	2198
94/10/27	- C H 2 M Hill	-	Pre-final design for Slickrock Creek baseflow collection & pumping & prefinal design for SRC clean water diversions, w/TL to L Erickson fr R Sugarek	0721	1652-94571	010	0886
94/10/28	- Morrison- Knudsen Corp	- Stauffer Management Co	Oversize drawings: Slickrock Creek clean water diversion - construction drawings (14), w/ notes	1831	1652-03566	033	2211
94/10/28	- Morrison- Knudsen Corp	- Stauffer Management Co	Oversize drawings: Slick Rock Creek diversion - construction drawings (7) w/ list of 14 drawings (mapcase)	0722	1652-03221	010	0892
94/10/28	- Morrison- Knudsen Corp	- Stauffer Management Co	Oversize drawings: Slickrock Creek clean water diversion - revised construction drawings (8), w/ notes (box 10)	1832	1652-03718	033	2240
94/11/00	-	-	IMM proposed sampling program	0723	1652-03321	010	0901
94/11/02	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: EPA authorizes implementation of 3 proposed actions	0724	1652-94573	010	0935
94/11/04	Edwin Liu- Environmental Protection Agency - Region 9	Winona Victory- Environmental Protection Agency - Region 9	Memo: Peer review	0725	1652-94187	010	0938

94/11/07	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Formal approval of SMD (SMD) design for Slickrock Creek clean water diversion project	0726	1652-94575	010	0940
94/11/08	Robert Trauger- Colloid Environmental Technologies Company	Lloyd Freese- Zeneca Inc	Ltr: Bentomat CR compatibility testing proposal - Iron Mountain Lagoon lining project, w/TL to R Sugarek fr Lloyd Freese	0727	1652-94074	010	0942
94/11/09	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	Ltr: Transmits information re sediments in Keswick Reservoir w/o encls	0728	1652-91871	010	0946
94/11/10	Joseph Kelly- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Request that EPA invite CRWQCB representative to 11/15 mtg w/TL	0729	1652-94075	010	0948
94/11/10	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments re proposed GLC testing plan submitted by Stauffer 11/8/94	0730	1652-94076	010	0951
94/11/14	- C H 2 M Hill	-	Calculations of Slickrock Creek runoff from contaminated area	0731	1652-94204	010	0953
94/11/16	Henry Steinberg- Henry M. Steinberg, chemist - attorney at law	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Removal of dissolved metals by electrolysis	0732	1652-93907	010	0959
94/11/17	Ken Iceman- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Spring Creek Debris Dam sizing case studies 17/17B & 18/18B	0733	1652-02114	010	0962
94/11/17	- Stauffer Management Co	-	Analytical results of Iron Mountain AMD neutralization treatment system for 10/94, w/TL to J Pedri fr J Coglaiti	0734	1652-94185	010	0981
94/11/21	Dorothy Patton- Environmental Protection Agency - Washington DC	-- Coordinators- Environmental Protection Agency - Washington DC	Memo: Peer review workshop & clinic w/agenda for 1/10/95- 1/11/95	0736	1652-94186	010	0987
94/11/21	Rick Sugarek- Environmental Protection Agency - Region 9	Paul Fugitani- US Dept of Interior - Bureau of Reclamation	ROC: 1994 SCDD operations	0735	1652-91870	010	0985
94/11/23	Dale Vargas- Sacramento Bee	-	Newsclip: Fine for Southern Pacific	0737	1652-93912	010	0992
94/11/25	Gail Dethloff- Univ of California, Davis	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Discusses research & transmits copy of proposal for study of sublethal effects of heavy metal contamination on immune system of rainbow trout	0738	1652-03242	010	0995

94/11/28	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Lee Erickson-Zeneca Inc	Ltr: Stauffer use of magnesium sulfate treatment at IMM	0739	1652-94077	010	1014
94/12/00	- Roy F Weston, Inc	- Stauffer Management Co	Process performance optimization plan for IMM permanent AMD treatment plant	0740	1652-01801	010	1017
94/12/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Final performance standards verification plan high density sludge treatment plant	0746	1652-02535	010	1960
94/12/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Design criteria rpt, v4 of 4 for construction of high density sludge treatment plant & AMD storage facility	0745	1652-02534	010	1741
94/12/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Bidding requirements, subcontract forms, general conditions, v1 of 4 for construction of high density sludge treatment plant & AMD storage facility	0743	1652-02532	010	1148
94/12/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Specifications, v2 of 4 for construction of high density sludge treatment plant & AMD storage facility (final)	0744	1652-02533	010	1437
94/12/00	- C H 2 M Hill	-	High density sludge treatment plant & AMD storage facility (design drawings)	0741	1652-02106	010	1052
94/12/00	Valerie Conner- CA Regional Water Quality Control Board - Central Valley Region	-	Basin plan metal implementation plan development project - Bioassay results, 91-92 final rpt (draft)	1833	1652-04105	033	2257
94/12/00	Merlin Tuttle-Bat Conservation International	-	Article: Bats & mines (Bat conservation international, Inc, resource publication #3)	1446	1652-03867	25	0966
94/12/00	-	-	Final basis of design report - high density sludge treatment plant & AMD storage facilities	0742	1652-02531	010	1087
94/12/01	- US Dept of Interior	-	Excerpt: Operation of lime magnesium carbonate plant & article that describes methods for estimating pre-mining conditions in mineralized area w/TL	0747	1652-02556	010	2045
94/12/01	Lee Erickson-Zeneca Inc	-	Quality assurance project plan (QAPP) - assessment of water quality parameters at site	0748	1652-03273	010	2083

94/12/02	- Morrison-Knudsen Corp	-	Abstract of proposals - Brick Flat Pit surface water diversion base bid schedule (box 10)	1835	1652-95535	033	2538
94/12/02	Jim Ragon-Stauffer Management Co	-	Tabulation of quotations - Brick Flat Pit, Slickrock Creek & Richmond tunnel, 9/27/94-12/2/94 (box 10)	1834	1652-04237	033	2530
94/12/05	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits data showing Boulder Creek copper concentrations vs flow & spreadsheet showing metal concentrations fr various locations, w/encls	0751	1652-94184	010	2104
94/12/05	Alfred Christiansen-Zeneca Inc	Anne Connell-Morrison-Knudsen Corp	Memo: Transmits information drawings of mountain & operations, w/o maps 1 & 3-5, w/ maps 2 & 6 (box 4)	1836	1652-94854	033	2540
94/12/05	Rick Sugarek-Environmental Protection Agency - Region 9	Lloyd Freese-Stauffer Management Co	ROC: Remedial actions at site	0749	1652-91869	010	2100
94/12/05	Paul Ekoniak-Zeneca Inc	Lee Erickson-Zeneca Inc	TL: Sampling summary results 5/94-11/94 (flow & metals loading data)	0750	1652-94078	010	2102
94/12/06	Jim Stefanoff- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Solids formed & thickener size for Old/#8 Seep & Slickrock Creek AMD	0752	1652-94437	010	2108
94/12/07	Gene Crippa-Western Ecolo	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Comments on dam enlargement - followup to discussion at Redding mtg. w/ Howard Worne resume	0755	1652-94569	010	2121
94/12/07	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	TL: Metal loading study summary rpt collected 5/1/94-10/31/94 & sampling program quality assurance plan for 94-95 season	0753	1652-94079	010	2114
94/12/07	Kirk Nordstrom-US Dept of Interior - Geological Survey	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Pre-mining water quality estimates re IMM	0754	1652-94183	010	2116
94/12/09	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Requests information on background levels of metals in streams on site	0757	1652-91866	010	2133

94/12/09	Paul Zimpekiewicz - Green Mountain Univ	-	Article: Open limestone channels for treating acid mine drainage: a new look at an old idea (Greenlands, Fall 94, 36-41)	0756	1652-03236	010	2125
94/12/11	Denis Cuff - San Ramon Valley Times	-	Newsclip: U S EPA makes next move in long struggle to control water	0758	1652-91879	010	2137
94/12/11	Dave Thom - San Ramon Valley Times	-	Newsclip: Crucial announcements on Delta fish Thursday	0759	1652-91906	010	2140
94/12/12	Anne Connell-Morrison-Knudsen Corp	Lloyd Freese-Stauffer Management Co	Memo: Capacity of pipelines, w/ calculations by F Woo 12/9/94 (box 2 set 2, box 7)	1837	1652-94856	033	2545
94/12/14	Karl Longley - CA Regional Water Quality Control Board - Central Valley Region	-	Memo: Public workshop on abandoned mine drainage w/ agenda, issue paper & map	0760	1652-93655	010	2142
94/12/15	-	-	Principles for agreement on Bay-Delta standards between state of CA & federal govt	0761	1652-03274	010	2149
94/12/16	Leslie Scism - Wall Street Journal	-	Newsclip: Tanker owners rush to insure for oil spills	0764	1652-91907	010	2277
94/12/16	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt w/TL to list fr John Martin	0763	1652-03243	010	2270
94/12/16	- Zeneca Inc	-	Flow & metals loading data for 11/94 fr Boulder Creek, Slick Rock Creek & Spring Creek	0762	1652-03227	010	2161
94/12/20	Lee Erickson-Stauffer Management Co	Katherine Mrowka - CA State Water Rights Board	Ltr: Request that Regional Bd consider Stauffer concerns prior to issuance of proposed permit to treat AMD at IMM	0765	1652-93657	010	2279
94/12/20	Jim Stefanoff - C H 2 M Hill	Rick Sugarek - Environmental Protection Agency - Region 9	TL: Final RD submittal docs	0766	1652-93908	010	2281
94/12/21	Duncan Austin - CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek - Environmental Protection Agency - Region 9	Ltr: Progress of RA activities, discussion of HDS treatment system	0768	1652-91868	010	2286
94/12/21	Vernon Persson - CA Dept of Water Resources	Brian Stiller - Stauffer Management Co	Ltr: Brick Flat Pit containment dam inspection w/o certificate of approval & emergency procedures notice for dam	0767	1652-91867	010	2283
94/12/22	Denny Walsh - Sacramento Bee	-	Newsclip: Claims in Dunsmuir train spill dismissed	0770	1652-93910	010	2290



94/12/22	Nancy Vogel-Sacramento Bee	-	Newsclip: Water-project ruling called victory for fisheries	0769	1652-91905	010	2288
95/00/00	Kirk Nordstrom-US Dept of Interior - Geological Survey	-	Article: RIS, decisions & geochemical consequences at IMM (Proceedings of Sudbury 95 - Mining & Environment, 5/28-6/1/95, 633-42)	1838	1652-04190	033	2549
95/00/00	Samual Luoma-US Dept of Interior - Geological Survey	-	Article: Prediction of metal toxicity in nature fr bioassays - limitations & research needs	1447	1652-03919	25	1010
95/00/00	- US Dept of Interior - Bureau of Reclamation	-	Sampling data - total Cu & Zn concentrations expressed in MG/1, 1994-95	0777	1652-94557	010	2531
95/00/00	- CA Dept of Fish & Game	-	Draft test results fr sediment toxicity testing of Spring Creek & Keswick Reservoir Sediments	0771	1652-02134	010	2292
95/00/00	Carol Thompson- S H N Consulting Engineers & Geologists	-	Article: IMM - Superfund cleanup site (Science & nature, fall/ winter, 1995, 4-6)	0776	1652-94375	010	2525
95/00/00	- C H 2 M Hill	-	Water year comparisons	0773	1652-03444	010	2330
95/00/00	- C H 2 M Hill	-	EPA analysis - 1995 Boulder Creek site data	0774	1652-03448	010	2365
95/00/00	- C H 2 M Hill	-	Comparison of Jan 95 to other storm yrs	0778	1652-94558	010	2537
95/00/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	Precipitation model	0775	1652-03457	010	2437
95/00/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	Storm data analysis 1994-95 (Sacramento River data)	0772	1652-03443	010	2299
95/01/00	- Morrison-Knudsen Corp	-	Handwritten notes: AMD pipeline extension calculations (box 7)	1839	1652-95560	033	2562
95/01/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	Simple modeling analysis	0784	1652-03449	011	0595
95/01/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	EPA analysis of Stauffer data - Jan 95 site data quality	0783	1652-03447	011	0461
95/01/00	- Stauffer Management Co	-	IMM summary rpt stream monitoring program rainfall & metals loading data, Jan 1995	0780	1652-02352	011	0001

95/01/00	Bob Dewey- US Dept of Interior Bureau of Reclamation	-	SCDD service agreement	0782	1652-03275	011	0447
95/01/00	Rick Sugarek- Environmental Protection Agency - Region 9	-	1995 Sacramento River data (1995 precipitation calculations)	0786	1652-03454	011	0671
95/01/00	- Zeneca Inc	-	IMM summary rpt - stream monitoring program rainfall & metals loading data, Jan 1995	0779	1652-01998	010	2543
95/01/00	- Environmental Protection Agency - Region 9	-	Site management plan (Redacted, FOIA ex 5)	0781	1652-03260	011	0434
95/01/00	Rick Sugarek- Environmental Protection Agency - Region 9	-	New spread sheet - Boulder Creek RA	0785	1652-03450	011	0662
95/01/01	Thomas Hesemann- Rocky Mountain Consultants, Inc	-	Resume of Thomas Hesemann w/TL to R Sugarek fr T Hesemann 8/8/95 (Privileged, FOIA ex 6)	0787	1652-03422	011	0691
95/01/03	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt w/TL to list fr J Martin	0788	1652-03231	011	0693
95/01/03	Jim Ragon- Stauffer Management Co	Anne Connell- Morrison- Knudsen Corp	Memo: Transmits Slick Rock Creek test core drilling bid docs, w/ attchs (box 2 set 2)	1840	1652-04222	033	2566
95/01/05	Paul Ekoniak- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests approval for use of Rhodamine dye tracer technique to measure creek water flow thru weir systems, w/ App I	0789	1652-00469	011	0700
95/01/05	Annette Rardin- City of Redding	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Storm damage	0790	1652-91865	011	0728
95/01/09	Mike Sukop- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Preliminary SOW for Spring Creek Reservoir sediment studies	0792	1652-94508	011	0732
95/01/09	McKenna- City of Redding	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Storm damage	0791	1652-91864	011	0730
95/01/10	Michael Hingerty- Environmental Protection Agency - Region 9	Joseph Kelly- Stauffer Management Co	Ltr: Response to 12/27/95 ltr re 104(e) request for information	0795	1652-94509	011	0810
95/01/10	- Basic Laboratory	-	Stauffer storm data (offsite)	0794	1652-03476	011	0749
95/01/10	- US Dept of Interior - Fish & Wildlife Service	-	Water quality data - Jan 95 w/ TL to R Sugarek & J Spitzley fr D Welsh (94-95 spill data)	0793	1652-03440	011	0737

95/01/11	- Morrison-Knudsen Corp	-	Draft 1995 design/permitting schedule (box 2 set 2)	1841	1652-94857	033	2577
95/01/11	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS study, for inclusion in public record, v37	0796	1652-03395	011	0813
95/01/12	- C H 2 M Hill	-	Water quality test results w/TL to L Erickson fr J Spitzley 1/20/95 (94-95 spill data)	0798	1652-03470	011	1303
95/01/12	- Quality Analytical Laboratories, Inc	-	Analytical data w/ TL to R Sugarek fr J Spitzley	0801	1652-94182	011	1315
95/01/12	- C H 2 M Hill	-	Water quality sampling results w/TL to F Peter fr J Spitzley 2/22/95 (94-95 spill data)	0797	1652-03469	011	1294
95/01/12	Brian Spiller-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: EPA may publicly announce that EPA & Stauffer are engaged in technical discussions re selection of alternative RA at site	0799	1652-93656	011	1311
95/01/12	Brian Spiller-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Permission given to EPA to announce discussions with Stauffer re selection of remedy action at Iron Mountain	0800	1652-94080	011	1313
95/01/13	- Morrison-Knudsen Corp	- Stauffer Management Co	Preliminary design - AMD storage, per AO 93-01, w/o attchs (box 2 set 2)	1842	1652-04223	033	2579
95/01/13	- North Coast Laboratories, Ltd	-	Regional Bd samples w/TL to R Sugarek fr D Heiman (94-95 spill data)	0802	1652-03471	011	1321
95/01/15	Brian Finlayson-CA Dept of Fish & Game	Harry Rectenwald- CA Dept of Fish & Game	Memo: Aquatic toxicology lab rpt w/tables	0803	1652-94275	011	1331
95/01/18	- Zeneca Inc	- Environmental Protection Agency - Region 9	Flow & metals loading data for 12/94 fr Boulder Creek, Slick Rock Creek & Spring Creek w/TL to R Sugarek fr L Erickson	0804	1652-02536	011	1336
95/01/18	Ron Metheny-Stauffer Management Co	Greg Richardson-Morrison-Knudsen Corp	ROC: Limit of rock excavation for Slickrock AMD pipeline extension (box 2 set 2)	1843	1652-94858	033	2589
95/01/19	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Spring Creek Debris Dam revisions to case studies 15-19	0805	1652-02537	011	1435

95/01/20	John Spitzley- C H 2 M Hill	Lee Erickson- Stauffer	Memo: Transmits water quality test results (sample collected above Spring Creek reservoir) w/encl	0807	1652-02109	011	1521
95/01/20	- US Dept of Interior - Bureau of Reclamation	-	Computation sheets re storm damage w/TL to R Sugarek fr R Klepp 1/23/95	0808	1652-03276	011	1532
95/01/20	- US Dept of Interior - Bureau of Reclamation	-	Preliminary results re Keswick water quality w/ TL to R Sugarek fr P Fujitani (94- 95 spill data)	0809	1652-03464	011	1538
95/01/23	- C H 2 M Hill	-	Shasta & SCDD inflows Jan 95 storm w/TL to R Sugarek fr J Spitzley (94-95 spill data)	0811	1652-03465	011	1579
95/01/23	- Morrison- Knudsen Corp	-	Precipitation charts	0806	1652-03365	011	1512
95/01/23	Charles Alpers- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits draft Keswick reservoir studies by USGS & cooperating agencies, FY95 w/ encls	0810	1652-03437	011	1554
95/01/25	Bob Dewey- US Dept of Interior - Bureau of Reclamation	-	Bureau of Reclamation work planning schedule	0812	1652-94180	011	1587
95/01/25	Greg Richardson- Morrison- Knudsen Corp	-	Hydraulic design calculations - Slickrock Creek AMD pipeline extension, w/ excerpts fr Driscopipe & APCO catalogs & Handbook of Hydraulics (box 7)	1844	1652-04224	033	2591
95/01/26	Doug Conner- Los Angeles Times	-	Newsclip: U S proposes hydropower changes to save salmon	0815	1652-91908	011	1608
95/01/26	Patricia Jacobus- Sacramento Bee	-	Newsclips: Growth plans hinge on Travis	0814	1652-91892	011	1606
95/01/26	- US Dept of Interior - Bureau of Reclamation	-	Mtg materials for area source reduction in Slickrock & Boulder basins re SCDD sizing project	0813	1652-02131	011	1589
95/01/26	Bill Walker- Shasta County - Dept of Resource Management	Ted Arman- Iron Mountain Mine, Inc	Ltr: Is ore removal activity subject to requirements for reclamation plan under Surface Mining & Reclamation Act (SMARA)?	0816	1652-94083	011	1610
95/01/27	- Zeneca Inc	- Environmental Protection Agency - Region 9	Flow & metals loading data & rainfall summary for 1-7/95 fr Boulder Creek, Slick Rock Creek & Spring Creek w/ TL to R Sugarek fr L Erickson w/o disk	0817	1652-02538	011	1613

95/01/30	Robert McCandless-Environment Canada	Fraser Felter-Environmental Protection Agency - Region 9	Memo: Discussion of site visit w/ Virginia & background info on Britannia Mine site	0818	1652-94084	011	1647
95/01/30	- Morrison-Knudsen Corp	- Stauffer Management Co	Oversize drawings: Old #8 acid mine drainage (AMD) pipeline - revised construction drawings (26), re order 94-12 (box 10)	1845	1652-04321	033	2608
95/02/00	- Stauffer Management Co	-	IMM summary rpt stream monitoring program rainfall & metals loading data, Feb 1995	0819	1652-02145	011	1650
95/02/01	- US Dept of Interior - Bureau of Reclamation	-	Summary cost estimates for TSC on Spring Creek Dam & IMM work scenarios (with dam raise & without dam raise) w/TL to R Sugarek fr B Dewey	0822	1652-94179	011	2288
95/02/01	Robert Fujimura- CA Dept of Fish & Game	-	Chemical & toxicological characterization of Keswick reservoir sediments w/TL fr Brian Finlayson 2/10/95	0820	1652-02558	011	2217
95/02/01	Greg Richardson-Morrison-Knudsen Corp	-	Hydraulic design calculations - Slickrock Creek AMD pipeline extension, w/ excerpts fr Driscopipe & APCO catalogs (box 7)	1846	1652-04131	033	2661
95/02/01	Robert McCandless-Environment Canada	Frank Peter-Zeneca Inc	Ltr: Site visit delayed until mid-March	0821	1652-94085	011	2285
95/02/02	Anne Connell-Morrison-Knudsen Corp	Lloyd Freese-Zeneca Inc	Ltr: Transmits AMD pipeline extension summary, flow capacity calculations, hydraulic design calculations & cost estimate, w/ attchs (box 2 set 2)	1847	1652-04129	033	2678
95/02/02	- Morrison-Knudsen Corp	-	Slickrock Creek - acid mine drainage (AMD) pipeline extension summary, w/ attchs (box 2 set 2)	1848	1652-94859	033	2709
95/02/03	Jim Sefanoff- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Polymer use in sludge beds by Stauffer	0823	1652-94086	011	2293
95/02/07	Dennis Heiman-CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: IMM samples	0824	1652-94554	011	2295

95/02/07	Fraser Felter- Environmental Protection Agency - Region 9	Dianna Weaver- Shasta Natural Resources Agency - Region 9	TL: TAG handbooks	1849	1652-95230	033	2717
95/02/08	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	TL: 4 privileged documents re treatability & other analytical info in support of proposed global settlement	0828	1652-94178	011	2310
95/02/08	John Trojanowski- US Dept of Interior - Bureau of Reclamation	Kris Doebbler- US Dept of Interior - Bureau of Reclamation	Traval rpt re EPA alternative #2 - design & construction of Slickrock Creek dam & no enlargement of SCDD w/attchs 1 & 2	0825	1652-02112	011	2298
95/02/08	John Spitzley- C H 2 M Hill	Nancy Parker- US Dept of Interior - Bureau of Reclamation	TL: May water quality model & Focused FS rpt for mitigation of AMD	0826	1652-94087	011	2306
95/02/08	John Spitzley- C H 2 M Hill	Tom Morstein- Marx- US Dept of Interior - Bureau of Reclamation	TL: May 94 water quality model	0827	1652-94170	011	2308
95/02/09	Ken Iceman- C H 2 M Hill	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Memo: SCDD sizing - outlet discharge distribution & transmits flow- duration curves for daily outlet discharges, w/ encl	0831	1652-94177	011	2397
95/02/09	Anette Rardin, resident- City of Redding	Lee Erickson- Zeneca Inc	Ltr: Water supply to 12640 & 12642 Iron Mountain Rd, Shasta County, CA w/post-it note to R Sugarek fr A Rardin	0833	1652-94233	011	2403
95/02/09	Dallas Linford- US Dept of Interior - Bureau of Reclamation	-	Ltr: Interagency agreement - IMM & SCDD raise	0832	1652-94222	011	2401
95/02/09	Larry Hall- Zeneca Inc	-	Definition of metal source areas within Slickrock Creek basin - results of sampling program w/TL to R Sugarek fr F Peter	0829	1652-02113	011	2312
95/02/09	- Morrison- Knudsen Corp	-	Preliminary design AMD storage re AO 93-01 w/TL to R Sugarek fr L Freese 2/9/95 w/ attchs	0830	1652-03331	011	2347
95/02/09	- Morrison- Knudsen Corp	-	Oversize maps: Slickrock Creek basin base map, drainage areas, & copper & zinc concentration in runoff (box 5)	1850	1652-95525	033	2719

95/02/10	- Stauffer Management Co	-	Specifications for high density sludge (HDS) treatment facilities, w/TL to R Sugarek fr L Freese 2/14/97 (box 4)	1851	1652-04225	033	2726
95/02/12	- Stauffer Management Co	-	Tables 2-1, 2-2, 2-3, 2-5 & 2-6 fr specifications for high density sludge (HDS) treatment facilities, w/ marginalia (box 2 set 2)	1852	1652-95521	033	2809
95/02/13	Larry Well- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Sludge drying bed performance	0834	1652-03277	011	2405
95/02/14	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Response to 104(e) ltr of request for information, w/ TL & encls	0835	1652-94537	011	2412
95/02/14	John Duffy- Zeneca Inc	-	Ltr: Invitation to bid - high density sludge (HDS) treatment facility, w/o attchs A & C-H, w/attch B & special instructions (box 4)	1853	1652-04226	033	2815
95/02/15	Walter Heckathorn- US Dept of Interior - Fish & Wildlife Service	- Natural Resource Trustees	Ltr: Conference call information	0836	1652-94091	011	2418
95/02/15	- Morrison-Knudsen Corp	- Stauffer Management Co	Preliminary design - Slickrock Creek AMD pipeline extension (box 2 set 2)	1854	1652-04227	033	2827
95/02/21	Alfred Christiansen- Zeneca Inc	Lloyd Freese- Zeneca Inc	Memo: Comments on AMD pipeline extension preliminary design summary, w/TL to A Connell fr A Christiansen (box 2 set 2)	1856	1652-94860	033	2848
95/02/21	Frank Peter- Zeneca Inc	Duncan Austin- CA Environmental Protection Agency - Dept of Toxic Substances Control	Ltr: Transmits SOW outline re Boulder Creek source identification program w/TL	0838	1652-94175	011	2428
95/02/21	Frank Peter- Zeneca Inc	-	Comments on preliminary design for Slickrock Creek AMD pipeline extension, w/ handwritten note & TL to A Connell fr F Peter 3/13/95 (box 2 set 2)	1855	1652-04229	033	2839
95/02/21	- Shepherd Miller, Inc	-	Mini-piezometer workplan (attch 2)	0837	1652-01569	011	2420

95/02/22	- US Dept of Interior - Bureau of Reclamation	-	Travel rpt w/TL to R Sugarek fr C Fall	0839	1652-03279	011	2434
95/02/23	Dick Coon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Inspection of Richmond audit 2/17/95	0840	1652-94174	011	2441
95/02/24	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Scope & cost for providing aerial photography, digital mapping & field surveys for site, w/TL	0841	1652-94090	011	2446
95/02/27	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Response to 1/30/96 request for sampling information	0843	1652-94538	011	2451
95/02/27	Al Meyerhoff- National Resources Defense Council	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Request copy of complaint in IMM litigation	0842	1652-94089	011	2449
95/02/28	-	-	Slickrock Creek retention pond sizing studies hydrology comments w/TL to R Sugarek fr R Swain	0844	1652-94223	011	2454
95/03/00	- Roy F Weston, Inc	-	Flow data analysis - Jan-Mar 95	0846	1652-03462	012	0670
95/03/00	- US Dept of Interior - Bureau of Reclamation	-	Keswick dredging water sampling results, w/encs & marginalia	0847	1652-94510	012	0740
95/03/00	- Stauffer Management Co	-	IMM summary rpt stream monitoring program rainfall & metals loading data, March 1995	0845	1652-02905	012	0001
95/03/01	- US Dept of Interior - Bureau of Reclamation	-	Data evaluation - Spring Creek air monitoring program	0848	1652-00435	012	0746
95/03/01	Nancy Parker- US Dept of Interior - Bureau of Reclamation	John Spitzley- C H 2 M Hill	Memo: Concerns about Spring Creek project in prep for 3/3/95 mtg, w/TL to Sugarek fr Spitzley, list of mtg attendees & series of model run comparisons	0849	1652-02130	012	0761
95/03/01	Greg Richardson- Morrison- Knudsen Corp	Anne Connell- Morrison- Knudsen Corp	Memo: Flowrate discrepancy for Boulder Creek pipeline, w/ marginalia (box 2 set 2)	1857	1652-94861	034	0001
95/03/01	Anne Connell- Morrison- Knudsen Corp	Greg Richardson- Morrison- Knudsen Corp	Memo: Responds to 3/1/95 memo re flowrate discrepancy for Boulder Creek pipeline (box 2 set 2)	1858	1652-94862	034	0003



95/03/02	- Morrison-Knudsen Corp	- Stauffer Management Co	Enlarge drawings: Slickrock plans (2) (box 10)	1860	1652-94864	034	0009
95/03/02	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmits Boulder Creek tracer program w/encl & TL	0850	1652-03280	012	0778
95/03/02	- Stauffer Management Co	-	Potential waste rock pile disposal & costs, w/TL to A Connell fr A Christiansen (box 6)	1859	1652-94863	034	0005
95/03/03	Robert McCandless-Environment Canada	Frank Peter-Zeneca Inc	Ltr: Site visit	0851	1652-94092	012	0787
95/03/04	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes: Boulder Creek team kickoff mtg 4/19/95 w/ agenda & handouts	0852	1652-02110	012	0789
95/03/06	- CA Dept of Fish & Game	-	Public notice: To discuss draft survey of chemical, physical & toxicological properties of metal sludge deposits in Keswick Reservoir below IMM	0853	1652-94093	012	0804
95/03/06	Michael Hingerty-Environmental Protection Agency - Region 9	Al Meyerhoff-National Resources Defense Council	Ltr: Transmits copy of US complaint in IMM litigation, copy of most recent proposed plan & FS for last proposal, w/ o encls	0854	1652-94094	012	0806
95/03/07	Rick Sugarek-Environmental Protection Agency - Region 9	Daniel Klepp-US Dept of Interior - Bureau of Reclamation	Handwritten note: Info about 3 IMM administrative orders - 93-01, 94-12, 91-07 & Stauffer independent work	0855	1652-94148	012	0809
95/03/07	Alfred Christiansen-Zeneca Inc	Lloyd Freese-Zeneca Inc	Memo: Slickrock clean water diversion surface treatment, w/TL to A Connell fr A Christiansen (box 4)	1861	1652-94865	034	0014
95/03/08	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Request to determine environmental consequences of extremely large flows into Keswick Reservoir, w/encl	0856	1652-02906	012	0812
95/03/08	Robert Holquist-Redding Record Searchlight	-	Newsclip: Toxic sediments in Keswick Lake worry scientists	0857	1652-94133	012	0836

95/03/08	- Morrison-Knudsen Corp	-	Hematite pile stabilization/ remediation preliminary FS (draft), w/attchs & TL to L Freese & F Peter fr B Claire & J Kuo 3/10/95 (box 4)	1862	1652-04228	034	0017
95/03/09	Ken Iceman- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Spring Creek Debris Dam revisions to case studies 15-19	0858	1652-02143	012	0838
95/03/10	Jim Stefanoff- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: High density sludge plant bid specifications - draft review comments	0859	1652-03282	012	0912
95/03/10	- Rocky Mountain Consultants, Inc	- US Dept of Commerce - National Oceanic & Atmospheric Administration	Physical restoration analysis, Blackbird mine, Lemhi County, Idaho	0860	1652-03344	012	0921
95/03/10	Rick Sugarek- Environmental Protection Agency - Region 9	-	Handwritten notes: Conference call re Keswick reservoir accretion flows	0861	1652-94160	012	1238
95/03/14	Sally Lehrman- San Francisco Examiner	-	Newsclip: Fear of flooding when snow melts	0864	1652-94134	012	1260
95/03/14	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: High density sludge w/handout & list of attendees	0863	1652-03323	012	1249
95/03/14	James Pedri- CA Regional Water Quality Control Board	Dennis Heiman- CA Regional Water Quality Control Board	Memo: Prelim results of Boulder Creek tracer study w/ TL to R Sugarek fr D Heiman 3/20/95 & sampling data	0862	1652-00426	012	1240
95/03/15	-	-	Memo: IMM project description	0865	1652-94095	012	1264
95/03/15	Torri Minton- San Francisco Chronicle	-	Article: Upper Sacramento above flood stage	0866	1652-94135	012	1266
95/03/16	- Basic Laboratory	-	Storm data fr Stauffer	0868	1652-03446	012	1292
95/03/16	Cecily Burt- Oakland Tribune	-	Article: EBMUD prepared to pay \$5 million for mine cleanup	0870	1652-94136	012	1304
95/03/16	Rick Sugarek- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: High density sludge (HDS) treatment plant components design & construction	0869	1652-94096	012	1301
95/03/16	- Shepherd Miller, Inc	- Stauffer Management Co	Draft groundwater investigation SOW w/TL to R Sugarek fr L Erickson 3/21/95	0867	1652-02129	012	1269

95/03/17	Jim Ragon-Stauffer Baker-Hughes	Anne Connell-Morrison Chrysalis	ROC: Draft preliminary design package - rd closures during construction of Slickrock AMD pipeline (box 2 set 2)	1863	1652-94866	034	0030
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95/03/17	- Zeneca Inc	-	Boulder Creek source identification workplan w/TL to R Sugarek fr L Erickson	0871	1652-01544	012	1306
95/03/20	- Quality Analytical Laboratories, Inc	-	Rpt of analytical results w/sample ID cross-reference table & case narrative	0872	1652-01512	012	1316
95/03/22	Brad Knickerbocker-Christian Science Monitor	-	Newsclip: New federal plan attempts to solve salmon shortage	0874	1652-94137	012	1361
95/03/22	- C H 2 M Hill	- Environmental Protection Agency - Region 9	EPA analysis of Jan 95 Sacramento River data	0873	1652-03441	012	1334
95/03/23	Dallas Linford-US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Ltr: Transmits descriptions of 30 photos showing various work items performed at IMM w/encl, w/o photos	0876	1652-94098	012	1366
95/03/23	Brian Spiller-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Declines invitation to assume lead role in construction & design of HDS facility at IMM without global settlement	0875	1652-94097	012	1363
95/03/23	Rick Sugarek-Environmental Protection Agency - Region 9	Paul Fugitani-US Dept of Interior - Bureau of Reclamation	ROC: Powerplant issues	0877	1652-94511	012	1371
95/03/23	Rick Sugarek-Environmental Protection Agency - Region 9	-	Handwritten notes: Review of M Watts method calculation w/ Spring Creek Reservoir storage v outlet capacity graphs	0878	1652-94550	012	1373
95/03/24	Roger Robb-Bakersfield Californian	-	Newsclips: Ltr to editor re flood control dams & beneficial effects of rains	0880	1652-94138	012	1399
95/03/24	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits IMM water quality sampling fr Slickrock Creek Basin 3/9/95 w/ encl	0879	1652-02111	012	1380
95/03/27	Rick Sugarek-Environmental Protection Agency - Region 9	Brian Spiller-Stauffer Management Co	Ltr: EPA will proceed with construction of HDS treatment system	0881	1652-94099	012	1401

95/03/28	Brian Finlayson- CA Dept of Fish & Game	Janet Black- CA Water Resources Control Board	Memo: Responsiveness summaries of 2/24/95 & 3/6/95 mtgs, & written comments received on final rpt on Keswick Reservoir sediments, w/ encls	0882	1652-03402	012	1403
95/03/29	- Los Angeles Times	-	Newsclip: America's imperiled fisheries	0884	1652-94140	012	1428
95/03/29	Nancy Vogel- Sacramento Bee	-	Newsclip: Agencies pursuing cleanup - Penn Mine plan calls for US to pay half	0883	1652-94139	012	1426
95/03/30	- Morrison- Knudsen Corp	-	Photos: 27 4x6 color copies, of site, 6/30/94- 3/30/95 (box 8)	1864	1652-04132	034	0032
95/03/30	Ivan Joya- Morrison- Knudsen Corp	-	Calculation for pipeline diameter by ICI formula, w/ sizing curve & excerpt fr ICI guide (box 2 set 2)	1865	1652-94867	034	0046
95/03/30	Brian Findlayson- CA Dept of Fish & Game	Janet Blake- CA Water Resources Control Board	Memo: Responsiveness summaries of 2/24/95 & 3/6/95 mtgs & written comments received on final rpt re Keswick Reservoir sediments, w/ attchs	0885	1652-03352	012	1430
95/03/31	- US Dept of Interior - Bureau of Reclamation	- US Dept of Interior - Bureau of Reclamation	Technical memo SCDRN-8150-1 - review of channel lining proposed for Slickrock Creek clean water diversion w/ TL to R Sugarek fr B Dewey 4/4/95	0886	1652-94226	012	1453
95/03/31	Alfred Christiansen- Zeneca Inc	Lloyd Freese- Zeneca Inc	Memo: Comments on draft emergency AMD storage pond in lieu of tow storage tanks (box 4)	1867	1652-94871	034	0104
95/03/31	Donald Runnells-	-	Deposition of Donald Runnells in the case of Beartooth Alliance vs Crown Butte Mines, Inc, w/TL to T Bloomfield fr A Haller 5/28/97, w/ o disk	1866	1652-04240	034	0051
95/04/00	- California Lawyer	-	Article: Salmon have been driven to brink of extinction by entrenched water rights	0890	1652-94173	012	2081
95/04/00	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek debris dam enlargement, technical paragraphs SPECB copy	0889	1652-03347	012	1486

95/04/00	- Pace Engineering	-	Specifications for Rardin water system w/TL D & B Rardin fr J Spitzley 10/13/95 & drawing	0887	1652-02157	012	1459
95/04/00	- Environmental Protection Agency - Region 9	-	Site management plan (Redacted, FOIA ex 5)	0888	1652-03261	012	1472
95/04/03	Dennis Heiman- CA Regional Water Quality Control Board - Central Valley Region	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Memo: Metal concentrations in Sacramento River fish w/encl	0891	1652-94100	012	2087
95/04/04	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Zeneca Inc	Ltr: Peer review mtg 4/19/95	0892	1652-94157	012	2092
95/04/05	John Spitzley- C H 2 M Hill	Rick Sugarek- C H 2 M Hill	Memo: Trip memo resulting fr tour of site	0893	1652-94227	012	2095
95/04/11	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Workplan amendment 7 for RD/RA oversight w/attchs (Privileged, FOIA ex 4)	1448	1652-03889	25	1063
95/04/11	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Workplan amendment 7 for RD/RA oversight (Privileged, FOIA ex 4 & 5)	1449	1652-04006	25	1065
95/04/12	Edward Seigmund- Shasta County - Dept of Public Works	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Discusses steady deterioration of Iron Mountain road & transmits copies of use permits with conditions for road maintenance, w/ encls	0895	1652-02539	012	2123
95/04/12	Mary MaloneyHuss- Stauffer Management Co	John Spitzley- Zeneca Inc	Ltr: Addresses of Stauffer nominees to Boulder Creek panel, w/TL	0897	1652-94124	012	2145
95/04/12	Nancy Parker Nancy- US Dept of Interior - Bureau of Reclamation	-	Review of IMMWO model application to Slickrock dam alternative, w/TL to R Sugarek fr K Doebbler	0896	1652-03403	012	2136
95/04/12	- C H 2 M Hill	-	Confluence of Slickrock & Spring Creek (at mouth), Table of rainfall, flow, & metal loading 3/1/95-3/31/95	0894	1652-00726	012	2098
95/04/13	- Shepherd Miller, Inc	- Stauffer Management Co	Summary rpt on results of mini-piezometer study of gw along Boulder Creek	0898	1652-02355	012	2148
95/04/13	Rick Sugarek- Environmental Protection Agency - Region 9	Krista Doebbler- US Dept of Interior - Bureau of Reclamation	Memo: Responses to questions re SCDD enlargement specifications & upcoming peer review mtg	0899	1652-94101	012	2183

95/04/14	- Sacramento Bee	-	Newsclip: Stink over Penn mine (IMM pursues as PRP)	0901	1652-94166	012	2193
95/04/14	Rick Sugarek-Environmental Protection Agency - Region 9	-	Ltr: Peer review orientation mtg w/attch (guiding principles of peer review)	0900	1652-00300	012	2185
95/04/15	Barbara Bycsek-Environmental Protection Agency - Region 9	Udai Singh- C H 2 M Hill	Ltr: Disapproves request to work for another contractor at site - conflict of interest	1450	1652-95021	25	1067
95/04/16	- Morrison-Knudsen Corp	- Stauffer Chemical Co	Oversize drawings: Waste rock pile removal/disposal cell expansion - construction drawings (10), pre-final (box 10)	1868	1652-04230	034	0106
95/04/18	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Stauffer nominees to Boulder Creek panel	0902	1652-94081	012	2195
95/04/19	Steve Robertson- US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Clarification of 4/4/95 technical memo - SCDD enlargement	0904	1652-94228	012	2204
95/04/19	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes: Peer review w/list of attendees	0903	1652-02128	012	2197
95/04/21	- Stauffer Management Co	-	Liner plates repair sketch w/ TL to R Sugarek fr L Freese 4/26/95	0905	1652-94307	012	2207
95/04/24	R Berry- Zeneca Inc	Larry Hall-Zeneca Inc	Memo: List of IMM maps w/TL to J Spitzley fr L Hall 6/2/95	0906	1652-94154	012	2211
95/05/00	James McLaughlin-McLaughlin Water Engineers, Ltd	-	Article: Demonstration of innovative heavy metals removal process (Environmental progress, v14, #1)	0907	1652-02162	012	2214
95/05/00	- CA Regional Water Quality Control Board - Central Valley Region	-	Briefing paper - Upper Sacramento R metal objectives (Privileged, FOIA ex 5)	0909	1652-03420	012	2247
95/05/00	- Environmental Protection Agency - Region 9	-	Establishment of numeric criteria for priority toxic pollutants & toxicity for state of CA, w/encls (Privileged, FOIA ex 5)	0908	1652-03419	012	2245
95/05/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	Handwritten notes: Upper Sacramento copper standards under EPA state-wide promulgation	0910	1652-94512	012	2249
95/05/02	L Freese-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmits revised design for Slick Rock water diversions, w/ attch	0911	1652-03482	012	2252

95/05/03	Rick Sugarek- Environmental Protection Agency - Region 9	-	Ltr: Information & schedule for peer review mtg	0912	1652-94229	012	2280
95/05/04	Rick Sugarek- Environmental Protection Agency - Region 9	-	AMD dilutions analysis	0914	1652-94551	012	2288
95/05/04	Nancy Parker- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Slickrock dam alternative for Spring Creek remediation	0913	1652-94231	012	2285
95/05/05	- US Dept of Interior - Bureau of Reclamation	-	TL: Bureau of Reclamation safety & health standards (blasting operations)	0915	1652-94221	012	2290
95/05/08	Dick Coon- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: review comments on Stauffer submittal - 4/26/95 Richmond mine liner repair	0917	1652-94232	012	2324
95/05/08	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Rpt on 1st peer review mtg w/info provided to peer review panel	0916	1652-00257	012	2292
95/05/10	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Estimated copper production - Jan & Feb 95 treatment plant operations (Spring Creek reservoir & Boulder Creek)	0918	1652-94548	012	2327
95/05/11	Diana Weaver- Shasta Natural Science Assoc	Fraser Felter- Environmental Protection Agency - Region 9	Ltr: List of selection team members & transmits breakdown of how businesses scored re TAG-TA proposals w/encls & business card	1870	1652-04028	034	0133
95/05/11	Anne Connell- Morrison- Knudsen Corp	Robert Claire- Morrison- Knudsen Corp	Memo: Visit to Happy Camp Mine site to look at Mondutank, w/ marginalia (box 8)	1871	1652-94998	034	0139
95/05/11	- CA Dept of Fish & Game	-	Sample results - Sacramento River at Keswick, w/TL to R Sugarek fr J Vorpage (94-95 spill data)	0919	1652-03468	012	2332
95/05/12	- CA Regional Water Quality Control Board - Central Valley Region	-	Northern CA mine summary - information on Shasta Lake mines, w/TL to R Sugarek fr D Heiman	0924	1652-03284	013	2179
95/05/12	- Morrison- Knudsen Corp	-	Preliminary design - disposal cell expansion, p 1 (AO 93-01), w/ o attchs (box 10)	1872	1652-94869	034	0141

95/05/12	-	-	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v4	0920	1652-01983	013	0001
95/05/12	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v1	0923	1652-01991	013	1845
95/05/12	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v3	0921	1652-01989	013	0615
95/05/12	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v2	0922	1652-01990	013	1283
95/05/12	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Transmits v1-4 of EPA water management RI/FS for inclusion in public record, w/o encl	0925	1652-94103	013	2214
95/05/14	Mey Wong- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits Boulder Creek water quality graphs in support of water management FS, w/encls	0926	1652-03404	013	2218
95/05/15	J Coglaiti-Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of AMD neutralization treatment system for April 95, w/encl	0927	1652-94104	013	2242
95/05/18	Mey Wong- C H 2 M Hill	Jim Mavis- C H 2 M Hill	Memo: Summary of Best fits through Lithium Tracer study data, w/Lithium data 3/12/95 re Boulder Creek water management FS & handwritten data	0928	1652-03405	013	2246
95/05/18	- Morrison-Knudsen Corp	-	Mtg notes: 5/18/95 mtg re AMD storage/ grit chambers (draft), w/ marginalia (box 8)	1874	1652-95523	034	0148



95/05/18	- Morrison-Knudsen Corp	-	Mtg notes: 5/18/95 mtg re storage, grit chambers, w/TL to L Freese fr A Connell 6/1/95 (box 4)	1873	1652-94870	034	0143
95/05/23	Fritz Carlson- C H 2 M Hill	John Livingston- C H 2 M Hill	Memo: Potential groundwater sources w/ attchs	0929	1652-94447	013	2264
95/05/24	John Livingston- C H 2 M Hill	-	Memo: RA alternatives in Boulder Creek, w/encls	0930	1652-03406	013	2272
95/05/25	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Investigation activities at site	0931	1652-94156	013	2285
95/05/26	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: V5 of EPA water management RI/FS for inclusion in public record	0933	1652-94171	013	2584
95/05/26	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts, v5	0934	1652-94238	013	2586
95/05/26	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as part of Rhone-Poulenc response to water management FS, for inclusion in public record, v5	0932	1652-01980	013	2289
95/05/30	Frank Sweeney- San Jose Mercury News	-	Newsclip: Saving salmon with sound - noisy hum turns them around	0935	1652-94144	013	2588
95/05/31	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality data 10/13/94 - 5/31/95	0936	1652-03463	013	2593
95/05/31	Marcia Howe- Shasta Natural Science Assoc	- Environmental Protection Agency - Region 9	TAG form	1875	1652-95235	034	0152
95/05/31	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Deliverables schedule for Boulder Creek study information	0937	1652-94155	013	2657
95/06/00	- Stauffer Management Co	-	Analytical results of AMD neutralization treatment system for 6/95 w/TL to J Pedri fr J Coglaiti 7/13/95	0938	1652-94244	013	2660
95/06/01	Dick Coon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Operational review	0939	1652-03285	013	2663
95/06/02	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: V6 of EPA water management RI/FS for inclusion in public record	0941	1652-94105	014	0475

95/06/02	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v6	0940	1652-01982	014	0001
95/06/02	Winona Victory-Environmental Protection Agency - Region 9	-	Memo: Transmits appendices C & D re peer review workproducts w/ attchs	0942	1652-94153	014	0478
95/06/04	Paul McHugh-San Francisco Chronicle	-	Newsclip: Plumbing depths (to save Sacramento River decimated salmon population)	0943	1652-94106	014	0484
95/06/06	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Review comments re Stauffer submittal of plans & specs for Slickrock Creek Clean Water Diversion	0944	1652-94152	014	0490
95/06/07	Ron Ott- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: IMM Boulder Creek 100 yr peak flow	0954	1652-94234	014	2389
95/06/07	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Transmits EPA water management RI/FS for inclusion in public record, w/o encl, w/TL	0953	1652-94145	014	2386
95/06/07	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmittal to John Spitzley of water quality monitoring rpts 1/95-3/95	0952	1652-94108	014	2384
95/06/07	Robert Dewey-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: work performed by TSC per 1/95 agreement to be revised	1876	1652-03797	034	0157
95/06/07	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: V7-11 of EPA water management RI/FS for inclusion in public record	0951	1652-94107	014	2382
95/06/07	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to waste water management FS, for public record, v8	0948	1652-01987	014	1326
95/06/07	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v10	0949	1652-01988	014	1831

95/06/07	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as part of Rhone-Poulenc response to water management FS, for inclusion in public record, v7	0945	1652-01981	014	0494
95/06/07	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v11	0946	1652-01984	014	0573
95/06/07	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v9	0947	1652-01986	014	0873
95/06/07	Rick Sugarek-Environmental Protection Agency - Region 9	-	Portal spill contribution to Jan 95 Boulder Creek discharge	0950	1652-03472	014	2326
95/06/08	- Environmental Protection Agency - Region 9	-	EPA rev comments on design for Stauffer Slickrock Creek clean water diversion w/TL & USBR safety & health standards (blasting operations)	0955	1652-02127	014	2392
95/06/08	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: Requests that Stauffer repair Iron Mountain Rd re work performed as respondent to orders 93-01 & 94-12	0956	1652-94109	014	2408
95/06/09	Heather Jamieson-Queen's University	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Request to visit site	0958	1652-94330	014	2583
95/06/09	- Stauffer Management Co	-	Boulder Creek metal sources identification, quantification & remedial options phase 1 w/TL fr F Peter 8/24/95 & attchs, w/o slides	0957	1652-02104	014	2410
95/06/10	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: V12 EPA water management RI/FS for inclusion in public record	0960	1652-94111	015	0169
95/06/10	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v12	0959	1652-01985	015	0001

95/06/12	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Concerns about 2nd Slickrock Creek peer review mtg & transmits SMC proposed questions for mtg. w/encl	0961	1652-94113	015	0171
95/06/14	Mary Huss-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	TL: EPA water management RI/FS for IMM supplement to AR	0962	1652-93894	015	0176
95/06/14	Alfred Christiansen-Zeneca Inc	-	Comments on technical specifications & drawings for waste rock pile removal & disposal, w/TL to A Connell fr A Christiansen (box 10)	1877	1652-94872	034	0166
95/06/15	Donald Klepp-US Dept of Interior - Bureau of Reclamation	-	List of tasks for Stauffer re Slickrock Creek pipeline & diversion dam, Upper Spring Creek drop inlet structure & pipeline w/TL & trans confirmation	0965	1652-94235	015	0188
95/06/15	J Coglaiti-Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board	Ltr: Transmits analytical results of AMD neutralization treatment system for 5/95, w/attch	0964	1652-94115	015	0184
95/06/15	Michael Hingerty-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: Addresses 6/12/95 ltr re peer review, w/ TL	0963	1652-94114	015	0178
95/06/15	Joseph Coglaiti-Stauffer Management Co	Alfred Christiansen-Zeneca Inc	Ltr: 1995 sludge haul dates & cost (box 10)	1878	1652-94868	034	0172
95/06/16	Michael Doyle-Sacramento Bee	-	Newsclips: People with AIDS cautioned on tap water & July CVP survey to decide its sale	0967	1652-94141	015	0205
95/06/16	- C H 2 M Hill	-	Treatment plant capacity (storm data offsite) w/ TL to R Sugarek fr P Lawson 6/16/95	0966	1652-03442	015	0192
95/06/20	- Stauffer Management Co	-	Amended version of v10 (A) of supplemental rpts on behalf of Rhone-Poulenc, v3 of 3	0968	1652-02903	015	0207
95/06/20	Nancy Vogel-Sacramento Bee	-	Newsclip: Group seeks to slow CVP transfer	0970	1652-94142	015	0704

95/06/20	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: Amended version of v10 supplemental rpts on behalf of Rhone-Poulenc (water management RI/FS) for inclusion in AR	0969	1652-94125	015	0701
95/06/21	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Sending John Spitzley copy of Stauffer database for Boulder Creek w/TL	0971	1652-94116	015	0706
95/06/21	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Sending Boulder Creek database to John Spitzley	0972	1652-94126	015	0709
95/06/21	- Morrison-Knudsen Corp	-	Oversize drawings: 90 & 450 acre foot dams (box 10)	1879	1652-95542	034	0174
95/06/22	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt	0974	1652-94117	015	1321
95/06/22	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v13	0973	1652-02118	015	0711
95/06/22	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Electronic transfer to Basic Laboratories revised March data	0976	1652-94120	015	1327
95/06/22	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: V13 of EPA water management RI/FS for inclusion in public record	0977	1652-94127	015	1329
95/06/22	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Temporary repairs on Iron Mountain Rd until AO 93-01 & 94-12 construction complete	0975	1652-94119	015	1325
95/06/23	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Addendum 1 to subcontract documents for construction of high density sludge treatment plant at IMM w/TL fr C Adamo	0978	1652-02540	015	1332
95/06/23	Jim Ragon-Stauffer Management Co	Bob Claire-Morrison-Knudsen Corp	Ltr: Transmits calculation sheet & pricing for 1/2-inch rebar in Slickrock diversion ditch, w/attchs (box 6)	1880	1652-94873	034	0179

95/06/26	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- ICL Americas, Inc	Ltr: Transmits EPA performance review comments re operation of IMM treatment plant RD/RA, during 94-95 wet season per AOs #93-01 & #94-12, w/attch	0979	1652-03407	015	1439
95/06/30	- C H 2 M Hill	-	IMM copper & zinc water quality data - preliminary database presentation of SMC draft final data for 1/95- 3/95 - w/TL to R Sugarek fr J Spitzley	0980	1652-00673	015	1463
95/06/30	-	-	SOW - Brick flat pit sludge disposal preparations w/ TL to R Sugarek fr L Freese 7/12/95	0981	1652-03293	015	1783
95/07/03	- Morrison- Knudsen Corp	- Stauffer Management Co	Request for proposal - waste rock pile removal & disposal cell expansion (partial), w/ marginalia (box 10)	1881	1652-04231	034	0183
95/07/07	M MaloneyHuss- Stauffer Management Co	E Seigmund- Shasta County - Dept of Public Works	Ltr: Stauffer will reimburse Shasta County for materials to affect temporary repairs to IMM Road	0983	1652-94239	015	1839
95/07/09	- US Dept of Interior - Geological Survey	- Environmental Protection Agency - Region 9	Draft workplan for USGS technical support, w/TL fr C Alpers to R Sugarek	1882	1652-03794	034	0198
95/07/09	Rick Sugarek- Environmental Protection Agency - Region 9	-	Memo: Stauffer January 1995 data review (data anomaly)	0982	1652-03478	015	1792
95/07/10	Randall Ranken- Pace Engineering	Jim Pedri- CA Regional Water Quality Control Board	Ltr: Sewage treatment & disposal system at site to be installed by Stauffer w/TL to R Sugarek fr D Heiman 7/12/95	0984	1652-94240	015	1841
95/07/11	John Wood- TETRA Technologies, Inc.	John Spitzley- C H 2 M Hill	Ltr: Patent infringements claimed, w/encls	0985	1652-02158	015	1845
95/07/11	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpt w/TL fr J Martin	0986	1652-94241	015	1871
95/07/12	Lee Erickson- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Investigation activities at IMM	0987	1652-94236	015	1876

95/07/12	Joe Jung- Environmental Protection Agency - Financial Management Division	Fred Nichols- US Dept of Interior Geological Survey	Memo: Closeout of USFIS IAG amendment & attchs A, B, C	1883	1652-03798	034	0206
95/07/13	Michael Hingerty- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Stauffer peer review presentation	0989	1652-94123	015	1917
95/07/13	- C H 2 M Hill	-	Mouth of Boulder Creek (BCMO) model flow & rainfall data w/disk (Ron Ott flow analysis)	0988	1652-03445	015	1880
95/07/14	Larry Well- C H 2 M Hill	-	Memo: IMM waste rock area cover system options	0990	1652-00683	015	1920
95/07/14	Rick Sugarek- Environmental Protection Agency - Region 9	- C H 2 M Hill	ROC: Re-bid issues (Privileged FOIA ex 4)	0991	1652-02619	015	1927
95/07/14	Roger Lindquist- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: IMM/ Boulder Creek - review of Stauffer Plan 6/95	0993	1652-94245	015	1932
95/07/14	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Scientific review panel dates (peer review)	0992	1652-94237	015	1929
95/07/17	Dan Klepp- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Recommends disapproval of raising roadbed re order 93-01 w/specs & drawings for Brick Flat Pit sludge disposal preparations fr Stauffer	0994	1652-02138	015	1936
95/07/17	Larry Well- C H 2 M Hill	-	Memo: Stauffer design review submittal - Construction specs & bid documents, earthworks & lining system at sludge drying bed #3	0995	1652-94310	015	1946
95/07/18	Nancy Vogel- Sacramento Bee	-	Newsclip: Folsom Dam gate fails	1000	1652-94250	015	1960
95/07/18	Kimberly Moy- Sacramento Bee	-	Newsclip: Flow poses no flood threat, officials reassure residents	1001	1652-94251	015	1963
95/07/18	- San Jose Mercury News	-	Newsclip: Broken dam gate unleashes torrent	0998	1652-94248	015	1954
95/07/18	David Ridenour- National Center for Public Policy Research	-	Newsclip: To save wildlife, scrap endangered species act	0997	1652-94247	015	1952
95/07/18	- Oakland Tribune	-	Newsclip: Water surges through broken Folsom Dam gate	0996	1652-94246	015	1950

95/07/18	Max Vanzi- Los Angeles Times	-	Newsclip: Battle looms over fate of protection for Coho salmon	1004	1652-94254	015	1972
95/07/18	- Los Angeles Times	-	Newsclip: Warnings issued after break in Folsom Dam	0999	1652-94249	015	1958
95/07/18	John Spitzley- C H 2 M Hill	Jeri Simmons- Environmental Protection Agency - Region 9	TL: Copy of patent info re application of HDS (high density sludge) technology	1005	1652-94333	015	1975
95/07/18	Keith Takata- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Compliance with order 94-12 re operation & maintenance of treatment plant (concurrence copy)	1002	1652-94252	015	1966
95/07/18	Keith Takata- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Order 94-12 requires continuing operation & maintenance of RAs on behalf of Rhone-Poulenc	1003	1652-94253	015	1969
95/07/19	Michael Hingerty- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Peer review mtg	1006	1652-94285	015	1977
95/07/19	Dick Coon- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments - Richmond tunnel lining & piping	1007	1652-94309	015	1979
95/07/20	John Spitzley- C H 2 M Hill	Lloyd Freese- Stauffer Management Co	TL: Draft comments re Stauffer construction specs & bid docs, Richmond tunnel lining & piping & Richmond & Lawson portals AMD conveyance upgrade	1009	1652-94258	015	1986
95/07/20	Nancy Vogel- Sacramento Bee	-	Newsclip: Maintenance on spillway gates ignored for 7 yrs	1008	1652-94257	015	1983
95/07/21	Donald Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: List of data to request fr Stauffer	1012	1652-94261	015	2000
95/07/21	Joel Medlin- US Dept of Interior - Fish & Wildlife Service	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Review of results of toxicity testing of ambient water samples collected fr Upper Sacramento R 1/13-17/95 storm event	1010	1652-94259	015	1988



95/07/21	Mary Malone-Huss- Lynch Management Co	Michael Hingerty- Vickroy Protection Agency - Region 9	Ltr: Peer review mtg	1011	1652-94260	015	1994
95/07/24	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	ROC: Peer review	1013	1652-94262	015	2003
95/07/24	- Roy F Weston, Inc	-	Map: Landslide adjacent to Boulder Creek (figure 1), w/TL to A Connell fr D Berry (box 10)	1887	1652-94878	034	0226
95/07/24	- Morrison- Knudsen Corp	-	Draft order of magnitude cost estimates - waste rock pile removal & disposal cell expansion alternates (box 10)	1886	1652-94877	034	0223
95/07/24	- Morrison- Knudsen Corp	-	Abstract of proposals - waste rock pile removal & disposal cell expansion alternates (box 10)	1885	1652-94876	034	0220
95/07/25	- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: 104(e) request for information (concurrence copy) w/mail receipt P424 454 730	1016	1652-94263	015	2032
95/07/25	Nathan Lau- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: 104(e) request for information	1014	1652-02101	015	2006
95/07/25	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Transmits review comments on Stauffer designs re orders 93-01 & 94-12, w/encls	1015	1652-02120	015	2021
95/07/26	Rick Sugarek- Environmental Protection Agency - Region 9	-	IMM info re rescission & list of needed site- specific info	1017	1652-94336	015	1035
95/07/27	Penny Howard- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Comments on Results of toxicity testing of ambient water samples	1019	1652-94265	015	2040
95/07/27	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Stauffer operations on behalf of Rhone- Poulenc at site	1018	1652-94264	015	2038
95/07/27	Anette Rardin- City of Redding	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests written comments before water system plan is implemented	1020	1652-94295	015	2042
95/07/28	John Spitzley- C H 2 M Hill	Ron Ott- C H 2 M Hill	Memo: Peer review mtg, 8/10-11/95	1024	1652-94296	015	2269

95/07/28	Larry Hall-Zeneca Inc	Rick Sugarek-Environmental Agency - Region 9	Ltr: Update	1023	1652-02139	015	2262
95/07/28	- Shepherd Miller, Inc	-	Supplemental rpts as pt of Rhone-Poulenc resp to water mgt FS, v14	1021	1652-00599	015	2044
95/07/28	John Spitzley- C H 2 M Hill	-	Ltr: IMM peer review mtg (8 ltrs)	1022	1652-00684	015	2253
95/07/28	- C H 2 M Hill	-	Memo: IMM high density sludge treatment plant - EIMCO initial bid clarifications w/TL to R Sugarek fr L Beaton 7/31/95	1026	1652-94334	015	2273
95/07/28	John Spitzley- C H 2 M Hill	John Woods-TETRA Technologies, Inc.	Ltr: RA high density sludge treatment plant patented technology	1025	1652-94327	015	2271
95/07/31	Rick Sugarek-Environmental Protection Agency - Region 9	file ---	Memo: Comments on Stauffer submittal, v12, tab 4 & App H.2, fr 1994 data	1027	1652-02102	015	2279
95/07/31	Rick Sugarek-Environmental Protection Agency - Region 9	Kent Kitchingman-Environmental Protection Agency - Region 9	Memo: IMM end of year funding requirements	1030	1652-94328	015	2316
95/07/31	Donald Mandel-CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Proposed questions for peer review, w/mail receipt P424 454 730 & TL to R Sugarek fr D Mandel	1028	1652-94266	015	2310
95/07/31	Michael Hingerty-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: Videotaping of peer review mtg	1029	1652-94267	015	2314
95/08/00	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency	Spring Creek Debris Dam enlargement draft design summary, v1	1032	1652-03349	016	1121
95/08/00	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency	Spring Creek debris dam enlargement draft design summary, v2	1031	1652-03348	016	0001
95/08/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Boulder Creek remedial alternative study, v1	1889	1652-04141	034	0703
95/08/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Boulder Creek remedial alternative study, v2	1888	1652-04140	034	0230
95/08/01	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: Boulder Creek Area source remediation peer review mtg, w/ agenda for 8/10-11/95	1035	1652-94268	016	2385
95/08/01	C Adano- C H 2 M Hill	Craig McDonald-EIMCO Process Equipment Co	Ltr: Post-bid clarifications	1033	1652-02587	016	2328

95/08/01	Rick Sugarek- Environmental Protection Agency - Region 9	- File	Draft memo review of Shepherd Miller report work for Stauffer re metal discharge v flow	1034	1652-03436	016	2338
95/08/02	John Spitzley- C H 2 M Hill	Diane Shaw- Wilke, Fleury, Hoffelt, Gould & Birney	TL: IMM document indexes (library map), US v IMM, Rhone-Poulenc vs State Water Resources Control Bd	1038	1652-94513	016	2404
95/08/02	John Spitzley- C H 2 M Hill	Ron Ott- C H 2 M Hill	Memo: Transmits agenda & other information re upcoming peer review panel mtg on 8/11/95, w/ encls	1036	1652-03417	016	2389
95/08/02	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Peer review mtg w/TL to M Hingerty fr M MaloneyHuss	1037	1652-94269	016	2400
95/08/03	Dick Coon- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Comments on Stauffer exploration - flow & water quality monitoring in Boulder Creek, Jan & Mar 95	1039	1652-94270	016	2406
95/08/03	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Richmond Portal - copper to zinc ratio & flow, 12/85- 10/93	1042	1652-94273	016	2419
95/08/03	Michael Hingerty- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Peer review mtg & extension to complete supplementation of record re remediation at Boulder Creek	1040	1652-94271	016	2411
95/08/03	Don Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	-	Potential questions for EPA peer review panel - proposed remediation for Boulder Creek watershed area	1041	1652-94272	016	2414
95/08/07	Jane Little- Sacramento Bee	-	Newsclip: Past foes team up to save streams	1045	1652-94276	016	2479
95/08/07	Rick Sugarek- Environmental Protection Agency - Region 9	-	Draft questions for peer review panel w/TL to F Peter fr R Sugarek	1043	1652-02121	016	2422
95/08/07	Rick Sugarek- Environmental Protection Agency - Region 9	Richard McLaughlin- McLaughlin Water Engineers, Ltd	Ltr: Proven low cost heavy metals removal process	1046	1652-94337	016	2481
95/08/07	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Peer review mtg w/TL	1044	1652-94274	016	2475
95/08/08	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Requests postponement of peer review mtg	1047	1652-94277	016	2483
95/08/08	Michael Hingerty- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Peer review mtg	1048	1652-94278	016	2485

95/08/09	- Morrison-Knudsen Corp	-	Order-of-magnitude estimates, summary, approximate sludge capacities & drawings for Brick Flat Pit sludge embankment options (box 2 set 2)	1890	1652-94879	034	0809
95/08/09	- Environmental Protection Agency - Region 9	-	Boulder Creek remedial alternatives study peer review workbook, w/TL to Colleagues fr R Sugarek	1049	1652-02140	016	2488
95/08/10	- Cardomon Group, Inc	-	Videotapes: IMM peer review mtg (tapes 1 & 2 of 4) (video shelf)	1050	1652-02154	016	2600
95/08/10	- Stauffer Management Co	-	Stauffer Management Co presentation to Boulder Creek peer review panel, w/ handouts & overheads	1052	1652-03408	017	0001
95/08/10	- Cardomon Group, Inc	-	Videotapes: IMM peer review mtg (tapes 3 & 4 of 4) (video shelf)	1051	1652-02155	016	2602
95/08/11	Rick Sugarek- Environmental Protection Agency - Region 9	-	Peer review panel mtg introduction 8/10-11/95 w/ marginalia & mtg schedules	1056	1652-94281	017	0267
95/08/11	-	-	IMM Boulder Creek remedial alternatives - peer review panel mtg 8/10-8/11/95	1053	1652-02135	017	0096
95/08/11	- Cardomon Group, Inc	-	Videotapes: IMM peer review mtg (tapes 1-3) (video shelf)	1054	1652-02153	017	0261
95/08/11	Joseph Kelly- Stauffer Management Co	Nathan Lau- Environmental Protection Agency - Region 9	Ltr: Response to 104(e) request for information w/TL	1055	1652-94280	017	0263
95/08/12	Rick Sugarek- Environmental Protection Agency - Region 9	-	IMM chronology fr 94-present re treatment plant	1057	1652-94282	017	0272
95/08/14	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: 3 copies of videotapes of peer review panel presentation	1059	1652-94284	017	0299
95/08/14	Michael Hingerty- Environmental Protection Agency - Region 9	Joseph Kelly- Stauffer Management Co	Ltr: Response to Stauffer objections to 104(e) request for information	1058	1652-94283	017	0275
95/08/15	William Crooks- CA Regional Water Quality Control Board - Central Valley Region	Joseph Kelly- Stauffer Management Co	Ltr: Water quality objectives for Upper Sacramento River	1060	1652-94346	017	0282

95/08/16	Nathan Lau- Environmental Protection Agency - Region 9	Keith Takata- Environmental Protection Agency - Region 9	Decision memo: Recommends approval to amend IAG to increase funding for USGS technical support (concurrency copy), w/o atchts	1892	1652-94904	034	0830
95/08/16	Nathan Lau- Environmental Protection Agency - Region 9	Keith Takata- Environmental Protection Agency - Region 9	Decision memo: Recommends approval to amend IAG to increase funding for USGS technical support, w/IAG amendment (unsigned), SOW & commitment notice	1891	1652-03792	034	0816
95/08/16	-	-	Supplemental rpts as part of Rhone- Poulenc response to water mgt FS, v15	1061	1652-02097	017	0285
95/08/17	-	-	Ltr: Transmits analytical results of acid mine drainage (AMD) neutralization treatment system for 6/95, w/atrch	1063	1652-94344	017	0347
95/08/17	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	TL: Boulder Creek Remedial Alternative Study, v1 & 2 & 2 disks of spreadsheet files of load regression equations used for remedial alternative study	1062	1652-94286	017	0345
95/08/18	Rick Sugarek- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Transmits list of members of peer review panel w/atrch	1064	1652-94288	017	0352
95/08/22	Rick Sugarek- Environmental Protection Agency - Region 9	Don Deere- Rocky Mountain Consultants, Inc	TL: Videotape of peer review mtg	1065	1652-94345	017	0355
95/08/24	- Morrison- Knudsen Corp	-	Revised drawings for Flat Creek erosion protection re order 93-01, w/ TL to R Sugarek fr L Freese	1068	1652-03286	017	0394
95/08/24	Dan Klepp- US Dept of Interior - Bureau of Reclamation	-	Photos: Showing various work items performed at IMM (16) w/TL fr D Linford	1067	1652-02141	017	0384
95/08/24	- Morrison- Knudsen Corp	-	Revised drawings for Richmond & Lawson portals AMD conveyance upgrade re order 93-01, w/TL to R Sugarek fr L Freese	1066	1652-00712	017	0357
95/08/24	- Morrison- Knudsen Corp	-	Set of drawings for AMD storage tank (pre-final) re order 93-01, w/TL to R Sugarek fr L Freese	1069	1652-03287	017	0413
95/08/24	Ken Walters- K G Walters Construction Co, Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits 2 ltrs addressed to Chris Adamo w/ encls	1071	1652-94339	017	0430
95/08/24	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Comments on EPA proposed HDS plant	1070	1652-94289	017	0428

95/08/25	- Shepherd Miller, Inc	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v16	1072	1652-02119	017	0435
95/08/26	Nancy Vogel-Sacramento Bee	-	Newsclip: Chances ebb for CVP deal in 95	1074	1652-94291	017	0637
95/08/26	Stacey Shull-Sacramento Bee	-	Newsclip: Coho salmon caught in political net	1075	1652-94292	017	0639
95/08/26	Michael Doyle-Fresno Bee	-	Newsclip: Farm group eyes CVP - Valley irrigators explore buying water project	1073	1652-94143	017	0634
95/09/00	Rick Sugarek-Environmental Protection Agency - Region 9	-	FY 95 accomplishments & planned FY 96 actions	1076	1652-94458	017	0641
95/09/01	- Morrison-Knudsen Corp	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v17	1077	1652-02099	017	0644
95/09/05	Ken Iceman- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Review comments on draft construction drawings for Flat Creek temporary erosion protection	1079	1652-94350	017	1021
95/09/05	Scott Morrison- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Review comments of Stauffer pre-final construction drawings for Spring Creek diversion outlet erosion protection	1078	1652-94349	017	1018
95/09/05	Tom Hesemann-Rocky Mountain Consultants, Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits Blackbird mine physical restoration analysis rpt w/o rpt, w/newsclip - Chase gulch dam passes halfway point	1893	1652-95370	034	0832

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# IRON MOUNTAIN MINE

## Superfund Site

### September 1997 Record of Decision (part 4)

#### Administrative Record Index

To request copies of administrative record documents, an [electronic order form](#) is available.

The documents contained in this administrative record (AR) were used by the U.S. Environmental Protection Agency (EPA) in identifying appropriate remedial activities for the Record of Decision (ROD) signed by EPA on September 30, 1997. This ROD addresses sources in the Slickrock Creek watershed at the Iron Mountain Mine Superfund site near Redding, California. The original AR compilation and its first three supplements were referred to as "Spring Creek Debris Dam Operable Unit", because the documents supported EPA's 1994 Proposed Plan to enlarge the Spring Creek Debris Dam. For administrative convenience, Supplements 4-8 continued to be identified as "Spring Creek Debris Dam Operable Unit" even though the Proposed Plan for May 1996 did not propose enlargement or modification of the dam. With this final supplement and the signing of ROD4, however, the administrative record has finally adopted its current, more accurate title. Key documents in this administrative record include the 1994 Proposed Plan (AR #355), the 1996 Proposed Plan (AR #1424), EPA's response to comments (AR #2396 - #2400) and the ROD (AR #2395).

Eight previous administrative records are included by reference in this September 1997 Record of Decision administrative record: the October 1986 Record of Decision AR, the 1988 Removal AR, the Administrative Order 89-18 AR, the Administrative Order 91-07 AR, the Boulder Creek Operable Unit, September 1992 Record of Decision AR, the Unilateral Administrative Order 92-96 AR, the Old/#8 Mine Seep OU AR, and the Flat Creek Bridge Removal Action AR.

The administrative record file was added to as documents became available. The file was updated in nine supplements and contains 2400 documents (not including documents incorporated by reference). The cumulative index lists the documents in ascending chronological order.

The list of U.S. Environmental Protection Agency guidance documents which were considered or relied upon in the selection of the remedy are documents AR #28, #1281 and #1677. Copies of the guidance documents are contained in the Compendium of CERCLA Response Selection Guidance Documents located in the Region 9 Superfund Records Center.

March 4, 1998

#### List of Abbreviations and Acronyms Used in Administrative Record Index

Abbreviation	Meaning
ACS	American Chemical Society
ADS	Advanced Drainage Systems, Inc.
AIDS	Auto Immune Deficiency Syndrome
AIME	American Institute of Mining, Metallurgical and Petroleum Engineers
AMD	Acid Mine Drainage

AMS	Acid Mine Spillage
AO	Administrative Order
APCO	Air Pollution Control Officer
ASM	Aerated Simple Mix
Assoc	Associates
ATSDR	Agency for Toxic Substances and Disease Registry
attch	attachment
BCMO	Mouth of Boulder Creek
BFP	Brick Flat Pit
BHP	Company name
BLM	Bureau of Land Management
BOR	Bureau of Reclamation (U.S. Department of Interior)
CA	Cooperative Agreement or State of California
CADD	Computer Aided Design
CADOWR	California Department of Water Resources
CaO	Calcium Oxide
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
CFR	Code of Federal Regulations
CH2M Hill	Environmental Company
CIM	Canadian Institute of Mining
Co	Company
CONCEPTC	Conceptual Design Concurrence
CR	Contaminant Resistant
CRWQCB	California Regional Water Quality Control Board
CrystaBOND	Trademark
CVP	Central Valley Project
DFG	Department of Fish and Game
DNA	Deoxyribonucleic Acid
DOJ	Department of Justice
DTSC	California Department of Toxic Substances Control
E&MJ	Engineering and Mining Journal
EA	Environmental Analysis
EBMUD	East Bay Municipal Utilities District
EIMCO	Company name
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
encl	enclosure
EPA	Environmental Protection Agency
ESU	Evolutionarily Significant Unit
FFS	Focus Feasibility Study
FLTb	Tributary to Flat Creek
FOIA	Freedom of Information Act
FORTTRAN	Programming language
fr	from

FS	Feasibility Study
FSA	Food Security Act
FSP	Field Sampling Plan
FY	Fiscal Year
GLC	Gas Liquid Chromatography
GSA	General Services Administration
HBMS	Hudson Bay Mining and Smelting Co.
HDS	High Density Sludge
HDSTP	High Density Sludge Treatment Plan
HSPF	Hydrologic Simulation Program FORTRAN
IAG	Interagency Agreement



ICI	PRP contractor
ICIA	US American (PRP) contractor
IM	Iron Mountain
IMM	Iron Mountain Mine
IMMI	Iron Mountain Mine, Inc.
IMMWQ	Iron Mountain Mine Water Quality
MDA	Methylenedianiline
MgO	Magnesium Oxide
MK	Morrison Knudsen
MMAJ	Metal Mining Agency of Japan
MRRC	Mining Remedial Recovery Co., Inc.
MSCA	Multi-Site Cooperative Agreement
mtg	meeting
N	North
NAWQA	National Ambient Water Quality Assessment
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OH	State of Ohio
ORC	Office of Regional Counsel
OU	Operable Unit
P&ID	Piping & Instrumentation Design
PACE	Trademark
PG&E	Pacific Gas and Electric
pH	Acidity/Alkalinity
PMF	Probable Maximum Flood
PMT	Project Management Team
PRP	Potentially Responsible Party
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
R	River
RA	Remedial Action
RA/RI	Remedial Action/Remedial Investigation
RD	Remedial Design
RD/RA	Remedial Design/Remedial Action
REVIEWC	Type of decision memo from U.S. Department of Interior
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROC	Record of Communication
ROD	Record of Decision
RP	Rhone-Poulenc
rpt	report
S	South
Sacto	Sacramento
SAP	Sampling and Analysis Plan
SCAP	Superfund Comprehensive (or Consolidated) Accomplishments Plan
SCDD	Spring Creek Debris Dam
SEA	Spaulding Environmental Associates
SEED	Safety Evaluation of Existing Dams
SF	San Francisco
SMARA	Surface Mining & Reclamation Act
SMC	Stauffer Management Co.
SNSA	Shasta Natural Science Association
SOW	Statement of Work or Scope of Work
SPECB	Specifications (having to do with bids)
SRC	Slickrock Creek

SRTPCP	Sacramento River Toxic Pollutant Control Program
SRWP	Sacramento River Watershed Program
SSP	Site Safety Plan
SVTC	Sacramento Valley Toxics Campaign
TA	Technical Assistance
TAC	Technical Advisory Committee
TAG	Technical Assistance Grant
TL	Transmittal Letter
TSC	Superfund Technical Support Center (Hotline)
UAO	Unilateral Administrative Order
UC	University of California
US	United States
USA	United States Army
USBR	United States Bureau of Reclamation (U.S. Department of Interior)
USDOJ	United States Department of Interior
USFWS	United States Fish and Wildlife Service (U.S. Department of Interior)
USGS	United States Geologic Survey
v	versus or volume
w/	with
w/o	without
WQM	Water Quality Management Plan
Zn	Zinc

### Administrative Record Index

95/09/06	Joseph Kelly- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Response to 104(e) request for information w/TL	1080	1652-94297	017	1024
95/09/07	Frank Peter- Stauffer Management Co	John Spitzley- C H 2 M Hill	Ltr: Backup materials for EPA presentation to peer review panel w/TL to R Sugarek fr M MaloneyHuss 9/7/95	1081	1652-94294	017	1028
95/09/07	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Requests extension to file additional rpts for AR	1082	1652-94298	017	1031
95/09/07	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Peer review presentation materials, rev comments (Rardin water supply, Flat Creek & Spring Creek outlet erosion protection & copper xls file)	1086	1652-94302	017	1041
95/09/07	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	TL: Cost tables for Boulder Creek remedial alternative study w/fax transmittal request form 10/10/95	1083	1652-94299	017	1034
95/09/07	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	Memo: Flow model info & transmits copper xls file w/o encl	1085	1652-94301	017	1039
95/09/07	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	TL: disks containing HSPF program files	1084	1652-94300	017	1037

95/09/08	Michael Hingerty-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: Approves extension to submit rpts for AR	1088	1652-94303	017	1377
95/09/08	Michael Hingerty-Environmental Protection Agency - Region 9	Joseph Kelly-Stauffer Management Co	Ltr: Reiterates date of 104(e) compliance & extension for submittal of 3 key rpts for AR	1089	1652-94304	017	1380
95/09/08	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Arrangements for 9/27/95 mtg & request for extension to file rpts for administrative record	1092	1652-94459	017	1388
95/09/08	Peter Rude- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Review comments on Stauffer specs for Rardin water system	1090	1652-94351	017	1382
95/09/08	- Shepherd Miller, Inc	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v18	1087	1652-02137	017	1043
95/09/08	Denise Klimas-US Dept of Commerce - National Oceanic & Atmospheric Administration	-	Memo: Agenda for 9/14/95 IMM mtg	1091	1652-94381	017	1385
95/09/12	- C H 2 M Hill	-	Potential for Bioaccumulation fr Spring Creek reservoir sediments (draft for review only) w/ TL to J Mavis fr J Dickey	1093	1652-02874	017	1390
95/09/12	- Morrison-Knudsen Corp	-	Slick Rock Creek retention pond order-of-magnitude cost estimate, bid package 2 (box 6)	1894	1652-94990	034	0836
95/09/12	Joseph Kelly-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: 104(e) request of 7/25/95 exceeds EPA authority under CERCLA w/ fax TL	1094	1652-94359	017	1477
95/09/13	Rick Sugarek-Environmental Protection Agency - Region 9	Colleagues ---	Ltr: Additional studies prepared for peer review panel members re Boulder Creek remedial alternative study	1095	1652-94306	017	1481
95/09/14	- Shepherd Miller, Inc	-	Supplemental rpts as pt of Rhone-Poulenc response to water mgt FS, v19	1097	1652-02136	017	1969
95/09/14	Brian Finlayson-CA Dept of Fish & Game	Harry Rectenwald- CA Dept of Fish & Game	Memo: Review of S R Hansen & Assoc toxicity rpt fr 1/95 storm event	1098	1652-94308	017	2142
95/09/14	- Shepherd Miller, Inc	- Stauffer Management Co	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v20	1096	1652-02117	017	1485
95/09/15	- Shepherd Miller, Inc	- Stauffer Management Co	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v26	1109	1652-02555	019	0423

95/09/15	- Shepherd Miller, Inc	- Stauffer Management Co	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v25	1106	1652-02151	018	1640
95/09/15	Malcolm Spaulding-Spaulding Environmental Assoc, Inc	- Stauffer Management Co	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v29	1104	1652-02149	018	0997
95/09/15	- Shepherd Miller, Inc	- Stauffer Management Co	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v27	1105	1652-02150	018	1416
95/09/15	Keith Takata- Environmental Protection Agency - Region 9	Michael Schulters- US Dept of Interior - Geological Survey	Ltr: Request for signature on IAG amendment, w/ IAG amendment & SOW	1895	1652-94907	034	0838
95/09/15	J Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board	Ltr: Transmits analytical results of AMD discharge neutralization w/ attch	1111	1652-94311	019	1210
95/09/15	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TLs: EPA water mgt RI/FS for IMM, supplement to AR v1-4, 14 & 15, 17-30	1101	1652-02142	018	0509
95/09/15	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v31	1108	1652-02552	019	0001
95/09/15	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water mgt FS, v23	1107	1652-02396	018	2160
95/09/15	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water mgt FS, v21	1099	1652-00577	017	2146
95/09/15	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water mgt FS, v22	1100	1652-02012	018	0001
95/09/15	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v28	1103	1652-02148	018	0638
95/09/15	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v24	1110	1652-02915	019	0704
95/09/15	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water mgt FS, v30	1102	1652-02147	018	0528
95/09/19	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Completion of additional analyses requested by peer review panel, Boulder Creek remedial alternative study	1112	1652-02877	019	1213

95/09/19	- Environmental Protection Agency - Region 9	- US Dept of Interior - Bureau of Reclamation Survey	Fully executed IAG amendment (SOW) for technical support, w/SOW, & w/TL fr P Overman to C Ely 9/27/95	1896	1652-94905	034	0846
95/09/20	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Completion of additional analyses requested by peer review panel, Boulder Creek remedial alternative study	1113	1652-94353	019	1273
95/09/21	Frank Peter-Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Confirms arrangements for 9/27 settlement mtg	1115	1652-94313	019	1294
95/09/21	Bob Dewey- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Monthly rpt 8/95 w/IAG funds usage period rpt	1116	1652-94460	019	1296
95/09/21	Dan Welsh- US Dept of Interior - Fish & Wildlife Service	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Request for notification re date, time, place & agenda of IMM mtg, w/fax #s	1117	1652-94514	019	1299
95/09/21	- Stauffer Management Co	-	Memo: Transmits preliminary answers to questions posed by EPA re Boulder Creek, w/encl	1114	1652-03288	019	1278
95/09/25	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Transmits errata sheet for p iii, v29 Critical review of SCDD sizing analysis & revised list of rpts, w/encls	1118	1652-03289	019	1301
95/09/28	-	-	Article: Electrochemical systems combined to recover metal powders fr AMD (HazTECH News, 147-148) w/TL to R Sugarek fr J Spitzley	1119	1652-94356	019	1313
95/09/29	Peter Rude- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on Stauffer submittal sheet 1 & specs for Rardin water system, w/attch	1120	1652-94321	019	1316
95/09/30	- Stauffer Management Co	-	EPA reg 9 standard operating procedures for peer review of major scientific & technical products originating in reg 9, 10/1/94-9/30/95	1121	1652-02126	019	1322
95/10/00	- Stauffer Management Co	- CA Regional Water Quality Control Board	Analytical results of acid mine drainage neutralization treatment system for 10/95 w/TL to J Pedri fr J Coglaiti 11/29/95	1123	1652-94467	019	1482

95/10/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Agency review draft potential for bioaccumulation of Spring Creek reservoir sediments	1122	1652-02899	019	1375
95/10/02	John Spitzley- C H 2 M Hill	Don Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	TL: Tech memos 9/19 & 9/20/95 re completion of additional analyses requested by peer review panel	1127	1652-94317	019	1492
95/10/02	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Confirms oral request for supplemental information provided to Boulder Creek review panel 9/10/95, water & copper routing models & O&M estimates	1125	1652-94315	019	1487
95/10/02	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Memo re design review of Rardin water system	1126	1652-94316	019	1490
95/10/02	John Spitzley- C H 2 M Hill	Frank Peter-Stauffer Management Co	TL: Tech memos 9/19 & 9/20/95 re completion of additional analyses requested by peer review panel	1124	1652-94314	019	1485
95/10/04	Charles Alpers- US Dept of Interior - Bureau of Reclamation	Charles Huang- CA Dept of Fish & Game	Ltr: Transmits data for latitude and longitude of sampling sites in Keswick Reservoir & map of Keswick sediment study locations w/atfchs	1128	1652-94320	019	1494
95/10/05	Jerrold Bruns- CA Regional Water Quality Control Board	-	Ltr: Availability of basin plan for Sacramento R & S Joaquin R Basins, 3rd ed	1130	1652-94362	019	1503
95/10/05	- C H 2 M Hill	-	Disk file contents w/o disk, w/TL	1129	1652-94319	019	1499
95/10/06	Rick Sugarek- Environmental Protection Agency - Region 9	-	IMM status rpt - presentation to CA Water Commission re cleanup status w/ notice of public mtg 10/6/95	1132	1652-94347	019	1523
95/10/06	Joseph Patten-	-	Restoring environmental & economic values thru improved water management	1131	1652-02804	019	1506
95/10/10	Frank Peter-Zeneca Inc	John Spitzley- C H 2 M Hill	TL: Defective disk 6 of 6	1135	1652-94370	019	1659
95/10/10	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: IMM peer review panel w/ encls & TL	1134	1652-03290	019	1649
95/10/10	Malcolm Spaulding-Spaulding Environmental Assoc, Inc	- Stauffer Management Co	Evaluation of EPA metal concentration & load-flow regression equations for 1/95-3/95	1133	1652-02144	019	1527

95/10/11	- Stauffer Management Co	-	Stauffer Management Co response to EPA Boulder Creek remedial alternatives study peer review workbook	1136	1652-03409	019	1661
95/10/11	Nathan Lau- Environmental Protection Agency - Region 9	Edward Aites- Scope International	Ltr: FOIA request RIN-9-1847-95	1137	1652-94341	019	1797
95/10/13	Michael Doyle- Sacramento Bee	-	Newsclip: House panel passes Pombo bill revising species protection	1141	1652-94366	019	1839
95/10/13	R O'Brien- CA Dept of Fish & Game	-	Fall salmon spawning conditions - Upper Sacramento River 1977 w/TL R Sugarek fr H Rectenwald	1139	1652-02901	019	1828
95/10/13	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	Memo: Boulder Creek simulation disk problem & transmits draft technical memo 8/3/95, HSPF program files & computer files w/ o encls	1140	1652-94318	019	1837
95/10/13	- Morrison- Knudsen Corp	- Stauffer Management Co	IMM Boulder Creek remedial alternatives critique of EPA dam options for Boulder Creek, w/ TL to peer review panel fr Stauffer	1138	1652-02156	019	1800
95/10/16	J Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of acid mine drainage neutralization treatment system for 10/95, w/atthc	1142	1652-94363	019	1841
95/10/16	John Humphrey-	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Peer review Boulder Creek remedial alternatives	1897	1652-04133	034	0854
95/10/17	Brian Finlayson- CA Dept of Fish & Game	Harry Rectenwald- CA Dept of Fish & Game	Memo: Review of planned studies to modify objectives for copper, zinc & cadmium in upper Sacramento River	1145	1652-94515	019	2311
95/10/17	Don Deere- Rocky Mountain Consultants, Inc	- Environmental Protection Agency - Region 9	Comments on Boulder Creek remedial alternatives study summary of conclusions & critique of EPA dam options for Boulder Creek, w/ TLs to R Sugarek	1901	1652-04182	034	1063
95/10/17	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: EPA water management R1/ FS for inclusion in public record, v32	1144	1652-94326	019	2308

95/10/17	- Stauffer Management Co	-	Supplemental response to water mgt FS, v32	1143	1652-02163	019	1844
95/10/17	Donald Runnells-Shepherd Miller, Inc	-	Peer review workbook w/TL	1900	1652-04136	034	0972
95/10/17	Janet Hering-Univ of California, Los Angeles	-	Peer review work book & general comments on Boulder Creek remedial alternatives study, w/TL	1899	1652-04135	034	0882
95/10/17	Don Deere-Rocky Mountain Consultants, Inc	-	Boulder Creek remedial alternatives study summary of conclusions, w/TL	1898	1652-04134	034	0861
95/10/18	Richard Elliot-CA Dept of Fish & Game	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmits comments for EPA decision making process & relevant scientific studies, w/encls	1147	1652-03294	019	2325
95/10/18	Laurie Sullivan-US Dept of Commerce - National Oceanic & Atmospheric Administration	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Comments on planned studies to support a request to modify water quality objectives for copper, zinc & cadmium in Upper Sacramento	1146	1652-02902	019	2317
95/10/18	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Transmits Stauffer draft sampling plan for 1995/96 winter w/encl	1148	1652-94358	019	2368
95/10/20	Anette Rardin-	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Review of proposed plan for water system replacement designed by Pace Engineering	1149	1652-94516	019	2374
95/10/23	Heather Jamieson-University of British Columbia	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Thanks for arranging 10/11/95 tour of IM	1151	1652-94371	019	2402
95/10/23	Jerrod Bruns-CA Regional Water Quality Control Board - Central Valley Region	-	Ltr: Transmits Notice of public hearing, staff rpt (includes proposed amendment), environmental checklist, and notice of filing, w/encls	1150	1652-03298	019	2377
95/10/24	Bill Bluck- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Peer review comments - remediation re Boulder Creek watershed area	1902	1652-04137	034	1071
95/10/24	Paul Meyer- US Dept of Interior - Bureau of Land Management	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Discussion of water quality objectives & transmits comments on Hanson reports & plan, w/encl	1154	1652-94343	019	2419
95/10/24	Kerry Rae- US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmits FY 96 workload & funding analysis, w/encl	1153	1652-03411	019	2412



95/10/24	Robert Dewey- US Dept of Interior Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Request for information re potential environmental consequences of flood related to Spring Creek Debris Dam failure, w/graphs	1152	1652-03410	019	2404
95/10/25	Laurie Sullivan- US Dept of Commerce - National Oceanic & Atmospheric Administration	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Review of "Results of toxicity testing of ambient water samples collected fr Upper Sacramento R during 1/13- 17/95 storm event" w/fax TL	1155	1652-94369	019	2424
95/10/26	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: HSPF (Hydrologic Simulation Program FORTRAN) model w/fax TL	1156	1652-94352	019	2429
95/10/26	John List- California Institute of Technology	-	Peer review workbook - proposed remediation for Boulder Creek Watershed Area, w/TL to R Sugarek fr J List	1903	1652-04138	034	1146
95/10/29	Ron Ott- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: Measuring high flows at BCMO weir	1157	1652-94355	019	2433
95/10/30	James Elkins- Pace Engineering	Lloyd Freese- Stauffer Management Co	Ltr: Rardin water system useful life, w/TL to R Sugarek fr L Freese 11/7/95	1158	1652-94517	019	2437
95/10/31	Lee Erickson- Zeneca Inc	Anette Rardin, resident- City of Redding	Ltr: Transmits revision request for water system modifications w/ attch	1159	1652-94364	019	2442
95/10/31	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Boulder Creek remedial alternative study, summary of conclusions, w/TL to R Sugarek fr J Spitzley 10/30/95	1904	1652-04139	034	1238
95/10/31	Charles Stephan- Environmental Protection Agency - Environmental Research Laboratories	Phil Woods-	Ltr: Comments on planned studies prepared by S R Hansen & Assoc for Stauffer	1160	1652-94379	019	2445
95/11/01	Thomas Hannigan- Ropes & Gray	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Requests opportunity to reconvene peer review panel	1161	1652-94376	019	2450
95/11/02	Michael Hingerty- Environmental Protection Agency - Region 9	Thomas Hannigan- Ropes & Gray	Ltr: Response to 11/1/95 ltr re peer review	1164	1652-94378	019	2458
95/11/02	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	TL: Responses received fr panel members for peer review of EPA Boulder Creek remedial alternatives study for IMM	1163	1652-94377	019	2456

95/11/02	John Spitzley- CH 2 M Hill	Kathy Jaydo- Spaulding Environmental Assoc, Inc	TL: Disk containing original HSD material	1162	1652-94365	019	2453
95/11/04	Rick Sugarek- Environmental Protection Agency - Region 9	Phil Woods- Environmental Protection Agency - Region 9	Memo: Comments on Regional Bd proposed changes to standards for Sacramento River (Privileged, FOIA ex 5)	1166	1652-03305	019	2462
95/11/04	Rick Sugarek- Environmental Protection Agency - Region 9	Phil Woods- Environmental Protection Agency - Region 9	Memo: Comments re Stauffer studies to support request to modify water quality objectives for Cu, Zn & cadmium in Upper Sacto (Privileged, FOIA ex 5)	1165	1652-03303	019	2460
95/11/07	L Freese- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits 2 drawings for replacing culverts with concrete channel re order 93-01, w/encls	1167	1652-94348	019	2464
95/11/08	- CA Dept of Fish & Game	William Crooks- CA Regional Water Quality Control Board - Central Valley Region	Memo: Proposed amendment to water quality control plan for Sacramento R and S Joaquin R basins w/Stauffer draft sampling plan (Privileged, FOIA ex 5)	1168	1652-03306	019	2471
95/11/08	Joel Medlin- US Dept of Interior - Fish & Wildlife Service	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Comments on "Planned studies to support a request to modify water quality objectives for copper, zinc, and cadmium in Upper Sacramento R"	1169	1652-94368	019	2473
95/11/09	Rick Sugarek- Environmental Protection Agency - Region 9	Michael Hingerty- Environmental Protection Agency - Region 9	Memo: Comments on proposed Stauffer 1995-96 sampling program (Privileged, FOIA ex 5)	1170	1652-03302	019	2479
95/11/10	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts as part of Rhone-Poulenc response to water management FS, v33	1172	1652-94332	020	0556
95/11/10	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS, v33	1171	1652-02707	020	0001
95/11/12	Anette Rardin-	Lee Erickson- Zeneca Inc	Ltr: Awaits EPA agreement on implementation of water system design	1173	1652-94518	020	0559
95/11/13	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	ROC: Conference call re Boulder Creek weir	1175	1652-94361	020	0592

95/11/13	Joel Medlin- US Dept of Interior Fish & Wildlife Service	Jean McCue- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Comments on Reg Bd proposal to amend water quality control plan for Sacramento R & S Joaquin R basins, w/rpts of public advisory task forces	1174	1652-03299	020	0561
95/11/14	Maria Rea- Environmental Protection Agency - Region 9	Jean McCue- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Comments on proposed amendment to Water Quality Control Plan for Sacramento R & S Joaquin R basins	1177	1652-94367	020	0626
95/11/14	John Spitzley- CH 2 M Hill	-	Preliminary model of environmental impact of SCDD failure	1176	1652-03412	020	0597
95/11/15	- Morrison-Knudsen Corp	- Stauffer Management Co	Ltr: Transmits vehicle bridge plan - figures 1 & 2 channel improvement calculation of flows w/attch	1178	1652-02876	020	0629
95/11/17	Alfred Christiansen-Zeneca Inc	Anne Connell-Morrison-Knudsen Corp	Memo: Comments on preliminary Brick Flat Pits capacity status rpt, w/ attchs (sludge disposal summary & curve) & TL to A Connell & J Coglaiti (box 6)	1906	1652-94992	034	1370
95/11/17	John Turner- CA Dept of Fish & Game	William Crooks- CA Regional Water Quality Control Board - Central Valley Region	Memo: Review & comments on proposed amendment to water quality control plan (Basin plan), Central Valley Region, Sacramento R & San Joaquin R Basins	1183	1652-94519	020	1158
95/11/17	- CA Dept of Fish & Game	Rick Sugarek- Environmental Protection Agency - Region 9	Errata sheet for Review of planned studies to modify objectives for copper, zinc & cadmium in Upper Sacramento R w/ TL to R Sugarek fr R Elliot	1182	1652-94462	020	1155
95/11/17	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts for inclusion in administrative record re EPA water management RI/ FS	1181	1652-94461	020	1152
95/11/17	- Morrison-Knudsen Corp	-	Dam calculations, drawings & maps, 2/17/95-11/17/95 (box 10)	1905	1652-04333	034	1280
95/11/17	-	-	Ltr: Comments on proposed SMC 1995-96 sampling program w/attch	1179	1652-02893	020	0664

95/11/17	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS, for inclusion in public record, v34	1180	1652-03392	020	0671
95/11/21	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	ROC: BCMO weir installation	1184	1652-94463	020	1163
95/11/22	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: 2 copies of v35 of supplemental rpts submitted on behalf of Rhone-Poulenc	1186	1652-94380	020	1212
95/11/22	Lee Erickson-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: IMM operation & maintenance (O&M) costs for 1995, w/TL to R Sugarek fr J Kelly & attchs	1188	1652-94520	020	1217
95/11/22	James Pedri- CA Regional Water Quality Control Board	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Comments on Stauffer proposed 95/96 winter season monitoring	1187	1652-94464	020	1215
95/11/22	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS, v35	1185	1652-03300	020	1165
95/11/27	Jerrold Bruns-CA Regional Water Quality Control Board	Interested parties-	Ltr: Proposed amendment to water quality control plan for Sacramento R Basin & S Joaquin R Basin - water quality objectives for copper, zinc & cadmium	1189	1652-94465	020	1223
95/11/27	Jerrold Bruns-CA Regional Water Quality Control Board - Central Valley Region	Interested Parties-	Ltr: Proposed amendment to water quality control plan for Sacramento R & San Joaquin R Basins - water quality objectives re copper, zinc & cadmium	1190	1652-94521	020	1225
95/11/28	- Morrison-Knudsen Corp	-	Status of Brick Flat capacity (draft), w/attchs & marginalia (box 10)	1907	1652-04130	034	1376
95/11/28	- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: State water quality objectives for metals in upper Sacramento (draft) w/3 cleanup & abatement orders (Privileged, FOIA ex 5)	1191	1652-03431	020	1227
95/11/28	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Confirms EPA approval to proceed with installation of Boulder Creek Mouth weir	1192	1652-94466	020	1229

95/11/30	Frank Peter-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Problems with design of IMM weir	1193	1652-94468	020	1231
95/11/30	Rick Sugarek-Environmental Protection Agency - Region 9	-	Rpt: Success of IMM treatment plant	1194	1652-94505	020	1233
95/12/00	- Stauffer Management Co	-	Analytical results of AMD neutralization treatment system for 12/95 w/TL to J Pedri fr J Coglaiti 1/17/95	1195	1652-94485	020	1235
95/12/00	- Basic Laboratory	Joe Coglaiti-Stauffer Management Co	Quality assurance rpt, storm data, 12/95	1451	1652-03949	25	1071
95/12/01	Penny Howard-US Dept of Interior - Bureau of Reclamation	Jean McCue- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Amendment to water quality control plan for Sacramento R Basin & San Joaquin R Basin, w/address list	1197	1652-94469	020	1386
95/12/01	- Stauffer Management Co	-	Quality assurance project plan (QAPP) - assessment of water quality parameters at IMM w/TL to Sugarek fr Peter 12/21/95	1196	1652-03343	020	1239
95/12/04	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: Weir design for mouth of Boulder Creek (BCMO)	1198	1652-94470	020	1390
95/12/05	Nancy Lindsay-Environmental Protection Agency - Region 9	William Marrazzo- Roy F Weston, Inc	Ltr: 104(e) request for information w/ certified mail receipt Z745 801 176	1201	1652-03359	020	1413
95/12/05	Nancy Lindsay-Environmental Protection Agency - Region 9	S Hansen- S.R. Hansen & Assoc	Ltr: 104(e) request for information	1199	1652-03357	020	1393
95/12/05	- Environmental Protection Agency - Region 9	S Hansen- S.R. Hansen & Assoc	Ltr: 104(e) request for information (concurrence copy) w/certified mail receipt #Z 745 801 175	1203	1652-94471	020	1433
95/12/05	- Environmental Protection Agency - Region 9	James Hawley-Basic Laboratory	Ltr: 104(e) request for information (concurrence copy) w/certified mail receipt Z 745 801 174	1204	1652-94472	020	1436
95/12/05	Nancy Lindsay-Environmental Protection Agency - Region 9	James Hawley-Basic Laboratory	Ltr: 104(e) request for information	1200	1652-03358	020	1403
95/12/05	Nancy Lindsay-Environmental Protection Agency - Region 9	James Hawley-Basic Laboratory	Ltr: 104(e) request for information, w/ Attchs A & B, w/ o mail receipt #Z 745 801 174	1202	1652-03413	020	1423

95/12/08	Rick Sugarek- Environmental Protection Agency - Region 9	James Hawley- Basic Laboratory	Ltr: Transmits corrected copy of Atch A to EPA 12/5/95 104(e) request for information, w/ encl	1206	1652-94522	020	1445
95/12/08	Rick Sugarek- Environmental Protection Agency - Region 9	James Hawley- Basic Laboratory	Ltr: Transmits corrected copy of Atch A to EPA 12/5/95 104(e) request for information w/ atth	1205	1652-94473	020	1439
95/12/12	- Stauffer Management Co	-	Flow graphs & tables - Boulder Creek & Spring Creek (analysis of Stauffer 12/95 data book)	1207	1652-03459	020	1451
95/12/12	Rick Sugarek- Environmental Protection Agency - Region 9	Nancy Lindsay- Environmental Protection Agency - Region 9	Memo: Projected FY96 activities at site	1208	1652-94474	020	1463
95/12/13	Stephen Hansen- S.R. Hansen & Assoc	Nancy Lindsay- Environmental Protection Agency - Region 9	Ltr: Response to 12/5/95 104(e) request for information (will defer response)	1211	1652-94524	020	1974
95/12/13	Joseph Kelly- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Response to 12/5/95 104(e) request for information	1212	1652-94525	020	1976
95/12/13	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts for inclusion in administrative record re EPA water management RI/ FS	1210	1652-94475	020	1971
95/12/13	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS, for inclusion in public record, v36	1209	1652-03390	020	1465
95/12/14	James Hingerty- Basic Laboratory	Nancy Lindsay- Environmental Protection Agency - Region 9	Ltr: Response to 12/5/95 104(e) request for information (will defer response)	1214	1652-94523	020	1981
95/12/14	- Environmental Protection Agency - Region 9	William Marrazzo- Roy F Weston, Inc	Ltr: 104(e) request for information (concurrence copy)	1213	1652-94476	020	1979
95/12/15	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Requests "As Built" drawings for IMM treatment plant	1215	1652-94477	020	1983
95/12/18	Margarita Padilla- CA Dept of Justice	Don Mandel- CA Dept of Justice	Memo: Transmits list of mine sites fr Rhone-Poulenc w/encl (Privileged, FOIA ex 5)	1216	1652-03401	020	1985
95/12/19	Joseph Kelly- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Response to 12/14/95 104(e) request for information	1218	1652-94526	020	1990

95/12/19	Paul Ekoniak- Zeneca Inc	Bill Gibbons- US Dept of Interior Reclamation	Ltr: Requests permission to take sampling locations w/list of sampling locations	1217	1652-94478	020	1987
95/12/20	J Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: AMD spills 11/95 & transmits acid mine drainage analytical results w/attach	1220	1652-94479	020	2011
95/12/20	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits triangular weir construction drawings w/ attach & article - Field manual for research in agricultural hydrology	1219	1652-03396	020	1994
95/12/21	Lee Erickson- Stauffer Management Co	John Spitzley- C H 2 M Hill	Ltr: PG&E power failure 12/12/95 re AMS flows	1221	1652-94480	020	2014
95/12/27	Donald Bauer- Roy F Weston, Inc	Nancy Lindsay- Environmental Protection Agency - Region 9	Ltr: Response to 12/14/95 104(e) request for information (will defer response)	1223	1652-94528	020	2020
95/12/27	Mary MaloneyHuss- Stauffer Management Co	David Glazer- US Dept of Justice - Environmental & Natural Resources Div	Ltr: Response to 12/22/95 104(e) request for information	1222	1652-94527	020	2017
96/00/00	- CA Regional Water Quality Control Board - Central Valley Region	-	Order 92-084 waste discharge requirements for Lassen Gold Mining Inc & US Dept of Agriculture, Forest Service, Modoc National Forest & BLM Hayden Hi	1908	1652-04036	034	1386
96/00/00	Arthur Horowitz- US Dept of Interior - Geological Survey	-	Article: Problems associated with using filtration to define dissolved trace element concentrations in natural water samples (Environ Sci Technol, 30)	1452	1652-03961	25	1862
96/00/00	Larry Hatfield- San Francisco Examiner	-	Newsclip: Feds order cut in salmon take	1402	1652-94581	24	0872
96/01/00	- Stauffer Management Co	-	Analytical results of AMD neutralization treatment system for 1/96 w/TL to J Pedri fr J Coglaiti 2/15/96	1226	1652-94497	020	2168
96/01/00	- C H 2 M Hill	-	Laboratory dilutions (precipitation) study	1225	1652-03455	020	2109
96/01/00	- Basic Laboratory	Joe Coglaiti- Stauffer Management Co	Quality assurance rpt, storm data, 1/96	1453	1652-03950	25	1873
96/01/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	RD/RA oversight, FSP, QAPP & site safety plan (SSP) amendments	1224	1652-03414	020	2022

96/01/05	Barbara Bycsek- Environmental Agency - Region 9	Udai Singh- C H 2 M Hill	Ltr: Stop work order for permit (modification 1)	1228	1652-94482	020	2173
96/01/05	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	Memo: Stauffer BCMO weir design is acceptable	1227	1652-94481	020	2171
96/01/09	Rick Sugarek- Environmental Protection Agency - Region 9	-	Status of work at superfund sites	1229	1652-94483	020	2175
96/01/10	- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Mockup of amended FS fr Michele Clark	1230	1652-94450	020	2177
96/01/10	Valerie Connor- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits Stauffer Management Co draft comments on study proposal to modify water quality objectives, w/ encl	1231	1652-94529	020	2179
96/01/11	Rick Sugarek- Environmental Protection Agency - Region 9	Nancy Lindsay- Environmental Protection Agency - Region 9	Memo: Stauffer indicates substantial compliance with 104(e) request for information	1233	1652-94530	020	2187
96/01/11	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts for inclusion in administrative record v37 re EPA water management RI/ FS	1232	1652-94484	020	2184
96/01/16	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Outstanding 104(e) requests w/TL	1234	1652-94531	020	2189
96/01/19	Jerrold Bruns- CA Regional Water Quality Control Board - Central Valley Region	Mary MaloneyHuss- Stauffer Management Co	Ltr: Comments on study proposal to modify water quality objectives	1235	1652-94533	020	2194
96/01/21	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Review & comments on 12/1/95 Stauffer QAPP for assessment of water quality parameters, w/ marginalia	1236	1652-94532	020	2198
96/01/22	Vito D'Aurora- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Requests modification QAPP to include table 6	1238	1652-94534	020	2217
96/01/22	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Transmits comments on Stauffer QAPP 12/1/95, w/attch	1237	1652-03397	020	2203
96/01/23	John Spitzley- C H 2 M Hill	Don Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	TL: 3 sets of photos - 9/16/94, 2/9/95, 5/20/95	1239	1652-94486	020	2219



96/01/25	John Spitzley- C H 2 M Hill	Sara Russell- CA Office of Environmental Protection Agency	TL: Supplemental discussions re Staufer (Privileged, FOIA ex 5)	1240	1652-03473	020	2221
96/01/26	Michael Hingerty- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Followup on 104(e) discussions	1242	1652-94489	020	2225
96/01/26	- Pasha Publications, Inc.	-	Newsletter: Iron Mountain groundwater source control eyed (Superfund Week)	1241	1652-94488	020	2223
96/01/29	Lloyd Freese- Zeneca Inc	Anne Connell- Morrison- Knudsen Corp	Memo: Transmits 1/26/96 ltrs to L Freese fr E Nachreiner & list of drawings, w/ attchs (box 4)	1911	1652-04232	034	1476
96/01/29	Michael Hingerty- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Follow-up on discussions re construction of HDS component of treatment plant	1244	1652-94491	020	2231
96/01/29	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Correspondence with Sara Russell, Attorney General's Office & ltr to S Russell (Privileged, FOIA ex 5)	1243	1652-03484	020	2229
96/02/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Draft FSP, QAPP, & site safety plan amendments w/ TL to R Sugarek fr L Krook 2/5/96	1245	1652-03398	020	2234
96/02/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Draft FSP, QAPP & site safety plan (SSP) amendments, RD/ RA oversight, w/ TL to R Sugarek fr L Krook 1/24/96	1246	1652-03415	020	2329
96/02/00	- Basic Laboratory	Joe Coglaiti- Stauffer Management Co	Quality assurance rpt, storm data, 2/96	1454	1652-03951	25	2355
96/02/00	- Morrison- Knudsen Corp	- Stauffer Management Co	Remedial design document & drawing index (box 6)	1912	1652-04322	034	1483
96/02/00	- C H 2 M Hill	-	Keswick precipitation study	1247	1652-03456	020	2423
96/02/02	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Stauffer comments on QAPP	1249	1652-94535	020	2461
96/02/02	J Coglaiti- Stauffer Management Co	John Spitzley- C H 2 M Hill	Ltr: Treatment plant "sign in & out" board	1248	1652-94492	020	2459
96/02/04	Fraser Felter- Environmental Protection Agency - Region 9	Dianna Young- Environmental Protection Agency - Region 9	Memo: Review of IMM TAG binder	1913	1652-95226	034	1845
96/02/07	-	-	FS addendum - area apportionment re Keswick Reservoir	1250	1652-03453	020	2464

96/02/08	Joel Medlin- US Dept of Interior Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Review & comments of Staff rpts & critiques for EPA administrative record w/encls	1251	1652-03399	020	2468
96/02/08	John Spitzley- CH 2 M Hill	Frank Peter- Stauffer Management Co	TL: Draft of FSP, QAPP, & site safety plan amendments	1252	1652-94493	020	2481
96/02/09	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS, for inclusion in public record, v38	1253	1652-03394	020	2483
96/02/12	John Spitzley- CH 2 M Hill	Lori Jonas- US Dept of Justice	TL: Fisheries benefit analysis for proposed enlarged SCDD & Public comment environmental endangerment assessment (Privileged, FOIA ex 5)	1254	1652-03474	022	0001
96/02/12	John Spitzley- CH 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Maps showing Boulder Creek drainage to downstream tailings pond	1255	1652-94495	022	0003
96/02/13	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts for inclusion in administrative record, v39 re EPA water management RI/FS	1258	1652-94496	022	0691
96/02/13	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts, v39 re EPA water management RI/FS	1257	1652-94446	022	0688
96/02/13	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Regional Bd toxicity study	1259	1652-94536	022	0694
96/02/13	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS, for inclusion in public record, v39	1256	1652-03391	022	0005
96/02/15	Donald Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	Margarita Padilla- US Dept of Justice	Memo: Stauffer request for DTSC files on 66 mines in CA (Privileged, FOIA ex 5)	1260	1652-03400	022	0700
96/02/16	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts for inclusion in administrative record re EPA water management RI/FS	1262	1652-94498	022	0736
96/02/16	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v40 (response to comments)	1261	1652-03393	022	0702

96/02/20	Anette Rardin- resident- City of Redding	Lee Erickson-Zeneca Inc	Ltr: Implementation of final Engineering design for modification of water system	1263	1652-94499	022	0739
96/02/23	- Environmental Protection Agency - Region 9	-	Attendance list of 2/23/96 tour w/ map	1264	1652-94500	022	0741
96/02/27	Paul Ekoniak-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Response to 1/22/96 comments on SMC QAPP, w/ proposed info sheets	1265	1652-03416	022	0744
96/02/28	Joel Medlin- US Dept of Interior - Fish & Wildlife Service	Loren Krook- C H 2 M Hill	Ltr: Review & comments of draft FSP, QAPP & safety plan amendments	1266	1652-94501	022	0757
96/02/28	James Hawley-Basic Laboratory	Paul Ekoniak-Zeneca Inc	Summary of February rainfall & Basic Lab rpt sheets for 1/97-2/97, w/TL to J Spitzley fr P Ekoniak 3/4/96	1914	1652-04189	034	1847
96/03/00	Cynthia Wetmore-Environmental Protection Agency - Region 9	Barbara Bycsek-Environmental Protection Agency - Region 9	Ltr: Issue regarding CH2M Hill work for MRRC (legal issues)	1456	1652-95040	26	0006
96/03/00	- US Dept of Interior - Bureau of Reclamation	-	Sampling & sample preparation summary in waters fr below Keswick Dam & Spring Creek Reservoir, w/TL to V D'Aurora fr E Loya 3/25/96	1455	1652-95027	26	0001
96/03/00	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality data 95-96 w/TLs	1267	1652-03451	022	0761
96/03/01	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	TL: Selected articles on mining in CA - historical references	1268	1652-94449	022	0798
96/03/04	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: Supplemental rpts on behalf of Rhone-Poulenc for inclusion in public record re EPA water management RI/FS	1271	1652-94576	022	1201
96/03/04	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record v41	1269	1652-03483	022	0800
96/03/04	Jerrold Bruns-CA Regional Water Quality Control Board - Central Valley Region	Interested Parties-	Ltr: Announcement of availability of Regional Bd draft watershed management initiative chapter, w/order form	1270	1652-94539	022	1198
96/03/05	Thomas Hannigan-Ropes & Gray	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Response to requests for sampling information, w/TL (3/6/96)	1272	1652-94540	022	1204

96/03/05	Udai Singh- C H 2 M Hill	Rick Sugarek- Environmental Agency - Region 9	Ltr: Requests EPA permission to complete work for Mining Remedial Recovery Co (MRRC)	1458	1652-95069	26	0012
96/03/05	Udai Singh- C H 2 M Hill	Barbara Bycsek- Environmental Protection Agency - Region 9	Ltr: Work re strategies for renewing NPDES permit	1457	1652-95058	26	0008
96/03/05	Udai Singh- C H 2 M Hill	Barbara Bycsek- Environmental Protection Agency - Region 9	Ltr: Work re strategies for renewing NPDES permit	1457	1652-95058	26	0008
96/03/06	Rick Sugarek- Environmental Protection Agency - Region 9	Paul Galvani- Ropes & Gray	Defendant Rhone-Poulenc's amended notice of deposition of Richard Sugarek	1459	1652-03858	26	0016
96/03/06	Valerie Connor- CA Regional Water Quality Control Board - Central Valley Region	Interested Parties-	Ltr: Sacramento River Toxic Pollutant Control Program (SRTPCP) 2nd mtg (3/15/96), w/ encls	1273	1652-94541	022	1208
96/03/08	Nancy Vogel- Sacramento Bee	-	Newsclip: Leave salmon's care to us, residents say	1274	1652-94542	022	1214
96/03/11	- C H 2 M Hill	-	Copper, zinc, cadmium data 95-96	1275	1652-03452	022	1216
96/03/11	- State of California	- Environmental Protection Agency - Region 9	Amendment #1 to State Superfund contract - HDS treatment plant (fully executed) w/ TL to C Wetmore fr C Creel 3/11/96	1915	1652-95286	034	1902
96/03/11	John Spitzley- C H 2 M Hill	Jim Yahnke- US Dept of Interior - Bureau of Reclamation	Memo: Transmits sampling data at hematite pile, w/ attach, w/o Stauffer data rpt sheets	1276	1652-94543	022	1258
96/03/13	John Spitzley- C H 2 M Hill	Charles Alpers- US Dept of Interior - Geological Survey	TL: Rpt to State Water Pollution Control Bd on control of pollution in Keswick Reservoir 6/14/67	1278	1652-94545	022	1263
96/03/13	- C H 2 M Hill	Kirk Nordstrom- US Dept of Interior - Geological Survey	TL: Preliminary determination of background copper concentrations in Boulder & Slickrock Creeks (9/14/95)	1277	1652-94544	022	1261
96/03/14	- C H 2 M Hill	-	Water quality model (WQM) precipitation inputs (draft in progress) w/TL to R Sugarek fr A Cramer	1279	1652-03458	022	1265
96/03/14	Linda Kim- Redding Record Searchlight	-	Newsclipping: Mine mess gets mixed in politics	1280	1652-94546	022	1309
96/03/18	Anne Connell- Morrison- Knudsen Corp	Greg Richardson- Morrison- Knudsen Corp	Memo: Documents re Slickrock Creek AMD pipeline extension missing fr files (box 2 set 2)	1916	1652-94993	034	1908

96/03/18	J Coglaiti-Stauffer Case 2:01-cv-00768-JAM	James Pedri- CA Regional Water Board - Central Valley Region	Ltr: Transmits analytical results for Iron Mountain acid mine drainage neutralization treatment system for 2/96 w/attch	1403	1652-94580	24	0874
96/03/19	Christina Nyhan-Breidenbach, Buckley, Huchting, Halm & Hamblet	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits stream pollution documents (Privileged, FOIA ex 5)	1404	1652-03506	24	0878
96/03/19	Marcia Howe-Shasta Natural Science Assoc	Fraser Felter- Environmental Protection Agency - Region 9	Memo: Update on TAG w/article about IMM by C Thompson (Science & Nature, fall/winter 1995) & w/TL	1917	1652-04032	034	1910
96/03/21	Rick Sugarek- Environmental Protection Agency - Region 9	Charles Alpers- US Dept of Interior - Geological Survey	Memo: Transmits metal precipitation study information w/encls	1405	1652-03499	24	0880
96/03/21	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Trustee issues (Privileged, FOIA ex 5)	1406	1652-03507	24	0905
96/03/22	Charles Alpers- US Dept of Interior - Geological Survey	- US Dept of Interior - Geological Survey	Memo: Newsletter & member list w/ attch	1407	1652-03500	24	0907
96/03/23	Charles Alpers- US Dept of Interior - Geological Survey	John Spitzley- C H 2 M Hill	Memo: Geochemical modeling of metal precipitation in Spring Creek/ Keswick Reservoir system	1408	1652-94589	24	0938
96/03/23	John Cushman- New York Times	-	Newsclip: US sues mine companies over pollution	1409	1652-94592	24	0942
96/03/25	- Morrison-Knudsen Corp	-	Oversize drawings: Brick Flat Pit expansion plan & sections A, B & C (box 10)	1918	1652-94994	034	1918
96/03/27	Paul Ekoniak-Zeneca Inc	John Spitzley- C H 2 M Hill	Ltr: Transmits Boulder Creek Mouth weir flow calculations & hourly rainfall calculations, w/o encls	1411	1652-94591	24	0947
96/03/27	Paul Ekoniak-Zeneca Inc	John Spitzley- C H 2 M Hill	TL: Basic lab rpt sheets for 3/96 for both on & offsite sampling	1410	1652-94590	24	0944
96/03/27	Frank Peter-Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Effort reduction of IM sampling program w/encls	1412	1652-94594	24	0950
96/03/28	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Quality assurance rpts, storm data, 12/95-3/96	1460	1652-94980	26	0023
96/03/29	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Mr Peter received EPA water quality data 3/26/96 not 1/26/96	1413	1652-94593	24	0954

96/04/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Water management FS addendum - Agency review draft, v2 of 2	1414	1652-03503	24	0956
96/04/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Water management FS addendum - Agency review draft, v1 of 2 (Redacted, FOIA ex 5)	1415	1652-03504	24	1364
96/04/02	John Spitzley- C H 2 M Hill	Tom Corliss-Breidenbach, Buckley, Huchting, Halm & Hamblet	TL: Water management FS addendum	1416	1652-94610	24	1529
96/04/02	John Spitzley- C H 2 M Hill	Howard Halm-Breidenbach, Buckley, Huchting, Halm & Hamblet	TL: Water management FS addendum	1417	1652-94611	24	1531
96/04/03	Fraser Felter- Environmental Protection Agency - Region 9	Marcia Howe-Shasta Natural Science Assoc	Ltr: Requests public notice re proposals for technical advisor role & SHN Consulting Engineers contract, w/marginalia to file re TAG expiration	1921	1652-95238	034	1936
96/04/03	Fraser Felter- Environmental Protection Agency - Region 9	Marcia Howe-Shasta Natural Science Assoc	Ltr: Requests public notice re proposals for technical advisor role & SHN Consulting Engineers contract	1920	1652-95227	034	1934
96/04/04	- Environmental Protection Agency - Region 9	-	List of Guidance documents consulted during development & selection of response action for IMM Superfund Site Spring Creek Debris Dam OU Supplement 4	1281	1652-94577	022	1312
96/04/05	Chris Bowman-Sacramento Bee	-	Newsclip: Board says Salmon aren't in danger, petition to protect spring run rejected	1419	1652-94579	24	1562
96/04/05	John Spitzley- C H 2 M Hill	-	TLs: Water management FS addendum - review copies (28) to state & federal agencies	1418	1652-03498	24	1533
96/04/05	John Spitzley- C H 2 M Hill	John Marr-Hagler Bailly Consulting, Inc	TL: Water management FS addendum	1420	1652-94599	24	1564
96/04/09	Rick Sugarek- Environmental Protection Agency - Region 9	John Wise- Environmental Protection Agency - Region 9	Ltr: Transmits briefing materials on proposal to "dam & treat" Slickrock Creek area source metal discharges w/encls (Redacted, FOIA ex 5)	1421	1652-03502	24	1566
96/04/10	Paul Ekoniak-Zeneca Inc	John Spitzley- C H 2 M Hill	TL: Basic Lab Rpt sheets for time period up to 4/4/96 & for on & off site sampling efforts	1461	1652-95071	26	0026
96/04/11	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpts 3/22/96, 4/1/96, 4/3/96 & 4/11/96 w/TLs to R Sugarek fr J Martin	1422	1652-03505	24	1583
96/04/15	Christine Donges- C H 2 M Hill	Curt Ushijima- Environmental Protection Agency - Region 9	Ltr: Relocation of drainage culvert at site	1922	1652-95287	034	1938

96/04/16	J Coglaiti-Stauffer Sacramento Regional Water Board - Central Valley Region	James Pedri- CA Regional Water Board - Central Valley Region	Ltr: Transmits analytical results of UFFLD (acid mine drainage) neutralization treatment system for 3/96 w/encl	1462	1652-03856	26	0028
96/04/16	- Larry Walker Assoc	-	Minutes fr SRTPCP monitoring committee mtg 4/16/96, mtg agenda 5/29/96 & list of attendees	1463	1652-95156	26	0035
96/04/19	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v42	1464	1652-03935	26	0045
96/04/22	Marcia Howe-Shasta Natural Science Assoc	Fraser Felter- Environmental Protection Agency - Region 9	Ltr: Transmits public notice & contract between SNSA & SHN Consulting Engineers & Geologists, w/encls including SOW & estimated schedule	1923	1652-04031	034	1941
96/04/26	Donald Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: State concurs with EPA decision to emphasize treatment & transmits comments on water management FS addendum, w/encl	1924	1652-03512	034	1950
96/04/26	Joel Medlin- US Dept of Interior - Fish & Wildlife Service	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Draft planning aid recommendations for Slickrock Creek retention dam alternative (SR1) under EPA water management FS addendum, w/attch & TL	1925	1652-04181	034	1967
96/04/26	Donald Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: State concurs with EPA decision to emphasize treatment & transmits comments on water management FS addendum, w/encl	1423	1652-03512	25	0001
96/04/29	Charles Alpers- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits Keswick reservoir data (diskette with spreadsheet files) w/o encl	1466	1652-95070	26	0438
96/04/29	Charles Alpers- US Dept of Interior - Geological Survey	-	Ltr: Transmits Metal transport study in Sacto River revised SOW w/encl & invites participation in TAC study group	1465	1652-03862	26	0422
96/05/00	- Sacramento River Toxic Pollutant Control Program	-	Sacramento River toxic pollutant control program mtg info (5/17, 5/29, 6/26, 7/18)	1470	1652-95022	26	0703
96/05/00	- Environmental Protection Agency - Region 9	-	Proposed plan for collection & treatment of contaminated Slickrock Creek flows	1424	1652-03514	25	0018

96/05/00	Steven Schwarzbach- Dept of Interior - Fish & Wildlife Service	-	Rpt on cadmium, copper, & zinc in fish & adult winter-run Chinook Salmon fr Sacramento R, w/ TL 5/22/96	1467	1652-03859	26	0441
96/05/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	IMM water quality model version 2 documentation w/ diskette	1469	1652-03864	26	0526
96/05/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Public comment water management FS addendum, v2 of 2	1426	1652-03516	25	0211
96/05/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Public comment water management FS study addendum, v1 of 2	1425	1652-03515	25	0035
96/05/00	- US Dept of Interior - Bureau of Land Management	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review & comment on water management FS addendum, 5/96, w/ TL to R Sugarek fr BLM 7/3/96	1926	1652-95306	034	1983
96/05/00	- US Dept of Interior - Geological Survey	- Sacramento Regional Sanitation District	QAPP (draft) for data-collection activities of Sacramento River metals transport study, w/TL fr Alpers & J Domagalski 5/29/96 & addenda	1468	1652-03861	26	0476
96/05/02	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Slickrock Creek Dam Sizing Evaluation (draft)	1427	1652-03513	25	0671
96/05/02	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical memo: Draft Slickrock Creek dam sizing evaluation w/encl	1471	1652-03967	26	0906
96/05/03	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Public comment water management FS addendum & Liming acidic surface waters (book)	1474	1652-95155	26	0748
96/05/03	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TLs: Public comment water management FS addendum & draft technical memo re Slickrock Creek Dam sizing evaluation to 4 addressees	1473	1652-95154	26	0743
96/05/03	Anne Connell-Morrison- Knudsen Corp	Lloyd Freese-Stauffer Management Co	Memo: Brick Flat Pit & sludge pond capacity, w/atthcs (box 6)	1927	1652-04233	034	1987
96/05/03	John Spitzley- C H 2 M Hill	-	TLs: Public comment water management FS addendum 5/96 addressed to various govt agencies (22)	1472	1652-03968	26	0720
96/05/09	- K R C R (Television station)	-	Videotape: News story about site on 6:30 TV News (video shelf)	1475	1652-03907	26	0750
96/05/09	Brian Spiller-Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Request for extension of public comment period	1477	1652-95062	26	0757



96/05/09	Rick Sugarek- Environmental Protection Agency - Region 9	Hilda Diaz- Spiller- Oceanic & Atmospheric Administration - National Marine Fisheries Service	Ltr: Natural Resource Trustees consultation re Proposed Plan w/TLs	1476	1652-95018	26	0752
96/05/10	Dan Taylor- Bat Conservation International	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Workshop on mine land reclamation & bat conservation at Shasta College 6/4 - 6/6/96	1479	1652-95075	26	0762
96/05/10	Rick Sugarek- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: EPA extended public comment period re 5/96 proposed plan	1478	1652-95014	26	0759
96/05/11	Rick Sugarek- Environmental Protection Agency - Region 9	Marcia Howe- Shasta Natural Science Assoc	Ltr: Extension of public comment period to 7/3/96 & transmits copy of business cards of 5 people interested in further info re IMM cleanup, w/encl	1480	1652-95015	26	0766
96/05/11	Rick Sugarek- Environmental Protection Agency - Region 9	Marcia Howe- Shasta Natural Science Assoc	Ltr: Public comment period extended to 7/3/96 w/photocopies of 5 business cards	1928	1652-95372	034	1997
96/05/14	Rick Sugarek- Environmental Protection Agency - Region 9	- Stauffer Management Co	Mtg notes & attchs - high density sludge (HDS) treatment plant	1481	1652-03866	26	0769
96/05/14	John Spitzley- C H 2 M Hill	- Challe & Fisher	Memo: Stenographer for EPA 5/23/96 public comment mtg & transmits services purchase order w/ encl	1482	1652-95013	26	0841
96/05/15	- CA Regional Water Quality Control Board - Central Valley Region	-	Tentative order - waste discharge requirements for Mining remedial recovery Co, Mammoth, Keystone, etc w/TL fr J Pedri & notice of public hearing	1483	1652-03863	26	0844
96/05/16	John Spitzley- C H 2 M Hill	-	TLs: May 96 public comment FS addendum for IMM (addressed to 13 public agencies)	1484	1652-03854	26	0867
96/05/16	Joseph Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of IMM AMD neutralization treatment system for April 96, w/encl	1485	1652-95010	26	0881
96/05/17	Paul Ekoniak- Zeneca Inc	John Spitzley- C H 2 M Hill	Ltr: Transmits Basic Lab rpt sheets for April for both on & off site sampling efforts w/ encls	1486	1652-03865	26	0885
96/05/19	Robert Rardin, resident- City of Redding	Lee Erickson- Zeneca Inc	Ltr: Plans for remediation of water system	1487	1652-95076	26	0929
96/05/21	Michael Hingerty- Environmental Protection Agency - Region 9	Joseph Kelly- Stauffer Management Co	Ltr: Orphan share compensation	1488	1652-95024	26	0931

96/05/21	Rick Sugarek- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Requests proposals for admittal consideration of interim actions (92 & 93 RODs)	1489	1652-95025	26	0934
96/05/23	- Challe & Fisher	-	Transcript of IMM public comment mtg	1490	1652-03973	26	0937
96/05/24	Rick Sugarek- Environmental Protection Agency - Region 9	-	Multi site cooperative agreement (MSCA) quarterly performance evaluation & interim budget rpts for 10/95-12/95, w/TL fr R Loftin	1491	1652-03853	26	0965
96/05/28	C Adamo- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Recommendations for color selections of exposed metal incorporated into the high density sludge treatment plant (HDSTP) new construction	1492	1652-95011	26	0975
96/05/29	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: IMM water quality model simulations with range of Slickrock Creek source control values (Privileged, FOIA ex 5)	1494	1652-03877	26	0995
96/05/29	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Technical Memo: Slickrock Creek dam sizing evaluation (draft)	1493	1652-03860	26	0978
96/05/29	- US Dept of Interior - Geological Survey	-	Ltr: Technical advisory committee mtg for Sacramento River metals transport study, w/ map & TL fr C Alpers to R Sugarek	1495	1652-95039	26	0997
96/05/30	- Stauffer Management Co	-	Supplemental rpts as part of Rhone- Poulenc response to water management FS for inclusion in public record, v43	1496	1652-03936	26	1001
96/05/8	Doris Powers- C H 2 M Hill	John Spitzley- C H 2 M Hill	Memo: List of people who have received the FS addendum	1497	1652-95072	26	1399
96/06/00	- C H 2 M Hill	-	Aerial photo: Treatment of plant site	1498	1652-03981	26	1402
96/06/00	- Shasta Natural Science Assoc	-	Newsletter: Iron Mountain Mine (Shasta Natural Science Assoc, SHN Consulting Engineers & Geologists, v1)	1929	1652-95232	034	2000
96/06/00	- Shasta Natural Science Assoc	-	Newsletter: Iron Mountain Mine (Shasta Natural Science Assoc, v1)	1499	1652-95035	26	1404
96/06/02	Eric Brazil- San Francisco Examiner	-	Newsclip: Cooler Runnings - Bureau of Reclamation building temperature control device to save salmon	1500	1652-95034	26	1411

96/06/03	- US Dept of Interior - Geological Survey	-	Technical advisory committee mtg agenda re Sacramento River metals transport study	1503	1652-95057	26	1419
96/06/03	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	ROC: 5/31/96 info request re EPA modeling efforts	1502	1652-95020	26	1417
96/06/03	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Proposes setting up conference call to discuss info request on EPA modeling efforts	1501	1652-95019	26	1415
96/06/04	Don Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Trustee issues (Privileged, FOIA ex 5)	1504	1652-03876	26	1422
96/06/04	Paul Ekoniak- Zeneca Inc	John Spitzley- C H 2 M Hill	TL: Basic Lab sheets of remainder of May for both on & off site sampling efforts	1505	1652-95032	26	1424
96/06/04	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Discussion of computer files requested by Spaulding Environmental Assoc (SEA)	1507	1652-95074	26	1428
96/06/04	John Spitzley- C H 2 M Hill	Malcolm Spaulding- Spaulding Environmental Assoc, Inc	Memo: List of computer files for version 2 of IMM water quality model w/TL to R Sugarek fr J Spitzley	1506	1652-95073	26	1426
96/06/05	- US Dept of Interior - Geological Survey	-	Agenda of Technical advisory committee mtg for Sacramento River metals transport study, w/ map & TL fr C Alpers 6/3/96	1508	1652-95038	26	1430
96/06/06	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: Sacramento River sampling	1509	1652-95037	26	1434
96/06/10	Rick Sugarek- Environmental Protection Agency - Region 9	Val Conner- CA Regional Water Quality Control Board - Central Valley Region	ROC: Status of Hansen toxicity studies	1510	1652-95090	26	1438
96/06/12	Thomas Hannigan- Ropes & Gray	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Request that documents missing fr AR be included	1511	1652-95091	26	1440
96/06/13	Paul Galvani- Ropes & Gray	David Glazer- US Dept of Justice	Ltr: Requests confirmation of R Sugarek's deposition date	1512	1652-95067	26	1446
96/06/14	Thomas Hannigan- Ropes & Gray	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Inquiry concerning administrative record documents	1513	1652-95017	26	1448
96/06/14	Joseph Kelly- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Requests extension of public comment period to 7/24/96	1515	1652-95065	26	1456

96/06/14	Joseph Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Board - Central Valley Region	Ltr: Transmits analytical results of neutralization treatment system for 5/96, w/encl	1514	1652-95033	26	1452
96/06/17	Michael Hingerty- Environmental Protection Agency - Region 9	Thomas Hannigan- Ropes & Gray	Ltr: Identification of administrative record documents w/ o attch	1516	1652-95016	26	1459
96/06/17	Michael Hingerty- Environmental Protection Agency - Region 9	Joseph Kelly- Stauffer Management Co	Ltr: Response to request for additional 3 wk extension to public comment period, w/ o attch	1517	1652-95066	26	1463
96/06/18	Paul Ekoniak- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits Basic Lab Rpt numbers for end of May - June 10 w/encl	1519	1652-95030	26	1473
96/06/18	Margarita Padilla- CA Dept of Justice	Raul Ramirez- Arbitration & Mediation Services	Ltr: Transmits payment terms proposed by govt parties as pt of "Stipulation & order of reference" w/encl & TL 6/19/96	1518	1652-03857	26	1466
96/06/19	- US District Court - Eastern District of California	-	Amended proof of service w/ Declaration of Service	1520	1652-95023	26	1476
96/06/20	- CA Regional Water Quality Control Board - Central Valley Region	-	Waste discharge requirements for Mining Remedial Recovery Co, Mammoth, Keystone, Stowell, Balaklala, Shasta King & Early Bird, Order 96-154 w/ attchs	1930	1652-04039	034	2007
96/06/21	- Stauffer Management Co	-	Supplemental rpts as part of Rhone- Poulenc response to water management FS for inclusion in public record, v44	1521	1652-03937	26	1481
96/06/24	-	-	Abstract form for all GSA mtgs in 94 w/ announcement of Geological Society of America mtg in Seattle	1522	1652-95028	26	1860
96/06/25	Kim McCleary- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Identification of AR documents w/Attch A	1524	1652-95092	26	1866
96/06/25	Brian Spiller- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Response to EPA request for comments on alternative remedial approaches for 92 & 93 RODs	1523	1652-95063	26	1863
96/06/28	Frank Peter- Stauffer Management Co	Cynthia Wetmore- Environmental Protection Agency - Region 9	Ltr: Painting clarifier "desert sand"	1525	1652-95031	26	1869
96/07/01	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	TL: Supplemental rpts as pt of Rhone- Poulenc response to water management FS v45-62	1545	1652-95085	30	1696

96/07/01	Mary Maloney-Huss- Stauffer Management Co	Michael Hingerly- Environmental Protection Agency - Region 9	TL: Supplemental rpts on water management plan submitted on behalf of Rhone-Poulenc for inclusion in public record, v45-62	1544	1652-94978	30	1694
96/07/01	John Turner- CA Dept of Fish & Game	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Review of public comment water management FS addendum (FSA) for site	1931	1652-95303	034	2028
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v60	1528	1652-03870	27	0863
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v56	1530	1652-03872	27	1590
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v52	1535	1652-03879	28	1895
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v54	1534	1652-03878	28	1520
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v46	1533	1652-03875	28	0596
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v45	1531	1652-03873	27	2034
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v53	1532	1652-03874	28	0001
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v55	1526	1652-03868	26	1891
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v57	1529	1652-03871	27	1164
96/07/01	- Stauffer Management Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for inclusion in public record, v61	1527	1652-03869	27	0001
96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v59	1542	1652-03944	30	1038

96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v51 (redacted, FOIA ex 4)	1540	1652-03942	30	0001
96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v58	1541	1652-03943	30	0382
96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v50	1539	1652-03941	29	2111
96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v48	1537	1652-03939	29	0951
96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v47	1536	1652-03938	29	0001
96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v49	1538	1652-03940	29	1663
96/07/01	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v62	1543	1652-03945	30	1523
96/07/02	- Stauffer Management Co	-	Supplemental rpts on behalf of Rhone-Poulenc as pt of R-P response to water management FS, v63	1932	1652-04121	034	2032

96/07/02	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v66	1548	1652-03948	31	0001
96/07/02	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v64	1546	1652-03946	30	1698
96/07/02	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v65	1547	1652-03947	30	2070

96/07/02	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: Water management RI/FS addendum to public record, vs 64-66	1549	1652-94979	31	0850
96/07/03	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	Ltr: Comments on FS addendum (FSA)	1933	1652-95327	034	2494
96/07/03	Kirk Nordstrom-US Dept of Interior - Geological Survey	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Transmits peer review response to remedial alternatives on Boulder Creek w/ encl	1551	1652-03966	31	0866
96/07/03	John Martin- US Dept of Interior - Bureau of Reclamation	Paul Fugitani-US Dept of Interior - Bureau of Reclamation	Spring Creek water quality rpts 4/22/96-7/3/96	1550	1652-03855	31	0853
96/07/03	- Sacramento River Toxic Pollutant Control Program	-	Sacramento River Watershed stakeholder mgt	1552	1652-95093	31	0899
96/07/09	James Tjosvold-CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Proposed plan & revised water management FSA for collection & treatment of Slick Rock Creek flows	1934	1652-95311	034	2497
96/07/09	Michael Hingerty-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: Incomplete copies of deposition transcripts re Stauffer comments on current proposed plan	1553	1652-95064	31	0904
96/07/10	Frank Peter-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: EPA proposed HDS plant	1559	1652-95095	31	1114
96/07/10	Frank Peter-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Proposed high HDS treatment plant	1556	1652-95060	31	1105
96/07/10	- US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Comments on Water management FS addendum for site w/TL to R Sugarek fr K Rae 7/12/96	1558	1652-95094	31	1111
96/07/10	Rick Sugarek-Environmental Protection Agency - Region 9	Brian Spiller-Stauffer Management Co	Ltr: Additional consideration of interim actions	1557	1652-95061	31	1108
96/07/10	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: HDS components for IMM treatment plant	1555	1652-95059	31	1103
96/07/10	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: HDS components for treatment plant	1560	1652-95096	31	1117
96/07/10	Paul Ekoniak-Zeneca Inc	Joseph Kelly-Zeneca Inc	Memo: Rpt of metals loading, off-site sampling locations, w/ attch & marginalia	1554	1652-03703	31	0907

96/07/10	Paul Ekoniak-Zeneca Inc	John Spitzley- C H 2 M Hill	Ltr: Transmits basic lab rpt. See w/shed 1 for 6/96	1561	1652-95097	31	1119
96/07/11	Sharon DeRicco-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: Corrected versions of double-sided photocopies (4 binders)	1562	1652-95082	31	1122
96/07/12	Kirk Nortstrom-US Dept of Interior - Geological Survey	Michael Hingerty-Environmental Protection Agency - Region 9	Memo: Review of rpt submitted by Stauffer w/TL 7/17/96 (Privileged, FOIA ex 5)	1563	1652-03982	31	1124
96/07/12	Keith Takata-Environmental Protection Agency - Region 9	Brian Spiller-Stauffer Management Co	Ltr: Compliance with Order 94-12 re operation & maintenance of treatment plant	1564	1652-95099	31	1126
96/07/16	J Coglaiti-Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of AMD neutralization treatment system for 6/96 w/encl	1565	1652-95100	31	1129
96/07/17	- US Dept of Interior - Bureau of Reclamation	-	Daily operational data	1566	1652-95101	31	1133
96/07/18	- Sacramento River Toxic Pollutant Control Program	-	Public invitation to mtg of Sacramento River Watershed stakeholder mtg w/agenda & schedule of future mtgs	1567	1652-95102	31	1136
96/07/19	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v67	1568	1652-03705	31	1141
96/07/19	Rick Sugarek-Environmental Protection Agency - Region 9	- Natural Resource Trustees	ROC: Natural resource trustee issues (Privileged, FOIA ex 5)	1569	1652-03908	31	1314
96/07/19	Sharon DeRicco-Stauffer Management Co	John Spitzley- C H 2 M Hill	TL: QA rpt fr 3/3-4/96 storm event	1571	1652-95103	31	1319
96/07/19	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty-Environmental Protection Agency - Region 9	TL: Water management RI/FS, supplement to public record, v68	1570	1652-94981	31	1316
96/07/22	- Stauffer Management Co	-	Supplemental rpts as part of Rhone-Poulenc response to water management FS for inclusion in public record, v68, w/TL to M Hingerty fr M MaloneyHuss	1572	1652-03704	31	1321
96/07/22	Rick Sugarek-Environmental Protection Agency - Region 9	-	Peer review self-assessment & verification survey	1573	1652-95104	31	1416



96/07/23	Michael Hingerty- Environmental Protection Agency - Region 9	-	Enforcement briefing 7/23/96 (Privileged, FOIA ex 5)	1574	1652-03912	31	1421
96/07/24	John Spitzley- C H 2 M Hill	- Environmental Protection Agency - Region 9	TLs: Copy of redacted materials given to Ropes & Gray	1576	1652-95087	31	1425
96/07/24	John Spitzley- C H 2 M Hill	John Johannis- US Dept of Interior - Bureau of Reclamation	Memo: Requests output flow files & input data files (Privileged, FOIA ex 5)	1575	1652-03914	31	1423
96/07/25	Rachel Loftin- Environmental Protection Agency - Region 9	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits Final MSCA (multi-state cooperative agreement) workplan, chart of breakdown of costs w/attchs	1577	1652-95105	31	1428
96/07/26	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: EPA proposed HDS plant re Order 94-12, w/encl	1579	1652-95107	31	1435
96/07/26	Brian Spiller- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: In response to 7/10/96 ltr re alternative remedial actions at site w/TL	1580	1652-95157	31	1440
96/07/26	Brian Spiller- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: In response to 7/10/96 ltr re alternative remedial actions at site	1581	1652-95158	31	1444
96/07/26	Rick Sugarek- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	TL: Kirk Nordstrom responses re peer review of potential remedial alternatives for Boulder Creek area source AMD discharges	1578	1652-95106	31	1433
96/08/00	- Environmental Protection Agency	-	Engineering Bulletin - constructed wetlands treatment	1935	1652-04047	034	2500
96/08/01	Rick Sugarek- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Coordination of HDS component & simple mix system	1582	1652-95108	31	1447
96/08/08	Paul Ekoniak- Zeneca Inc	John Spitzley- C H 2 M Hill	Ltr: Transmits Basic Lab rpt sheets for 7/96 w/encls	1583	1652-03964	31	1450
96/08/08	- Morrison- Knudsen Corp	-	3-D models of stage 1 & 2 dams at sludge areas, w/TL (box 4)	1936	1652-94996	034	2511
96/08/09	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, v69	1585	1652-03990	31	1465

96/08/09	Mary Malone-Huss- Stauffers Chemical Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Request that v69 of Supplemental rpts be included in the next administrative record supplement	1586	1652-95109	31	1620
96/08/09	Roger Patterson- US Dept of Interior - Bureau of Reclamation	Clementine Berger- US Dept of Interior - Office of the Solicitor	Memo: Settlement negotiations w/ attchs & TL to R Sugarek fr K Rae (Privileged, FOIA ex 5)	1584	1652-03913	31	1463
96/08/12	Doris Powers- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: List of agency review comments on PRP documents	1587	1652-95080	31	1623
96/08/14	John Turner- CA Dept of Fish & Game	William Crooks- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Planned studies to support request to modify water quality objectives for copper, zinc & cadmium in Upper Sacramento R	1588	1652-95110	31	1625
96/08/16	Donald Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits comments on geophysical investigations of landslide deposit in noonday area of IMM w/encls	1589	1652-03918	31	1629
96/08/16	Brian Spiller- Stauffer Chemical Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Discussion of HDS (high density sludge) system in reference to 8/1/96 ltr	1937	1652-95251	034	2515
96/08/16	Brian Spiller- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Current system vs HDS treatment selected by EPA	1591	1652-95119	31	1648
96/08/16	- Environmental Protection Agency - Region 9	-	SCAP 02 site summary rpt	1590	1652-03962	31	1640
96/08/20	Rick Sugarek- Environmental Protection Agency - Region 9	George Goodridge- Rhône-Poulenc Basic Chemicals Co	Ltr: Transmits ltr 7/12/96 to B Spiller re operations of treatment plant under admin order 94-12 w/ encl	1592	1652-95111	31	1652
96/08/23	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Aerated simple mix sludge properties in Brick Flat Pit w/ encls	1938	1652-04048	034	2519
96/08/23	J Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of AMD neutralization treatment system for 7/96 w/attch	1939	1652-95252	034	2545
96/09/00	Ted Arman- Iron Mountain Mine, Inc	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Resource recovery plan (Privileged, FOIA ex 4)	1593	1652-03916	31	1656

96/09/00	Rachel Loftin- Environmental Protection Agency - Region 9	Superfund RPMs - Environmental Protection Agency - Region 9	Memo: DTSC Multi-site Cooperative agreement (MSCA) quarterly performance evaluation	1942	1652-04088	034	2669
96/09/05	Mary MaloneyHuss- Stauffer Chemical Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Request that v70 of Supplemental rpts be included in the next administrative record supplement	1595	1652-95112	31	1745
96/09/05	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, v70	1594	1652-03989	31	1658
96/09/06	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, v71	1597	1652-03991	31	2202
96/09/06	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, v72	1596	1652-03979	31	1748
96/09/09	Paul Ekoniak- Zeneca Inc	John Spitzley- C H 2 M Hill	Ltr: Transmits Basic Lab Rpt sheets for 8/96 for both on & off site Iron Mountain sampling efforts w/encls	1943	1652-04051	034	2677
96/09/10	Lee Erickson- Zeneca Inc	Robert Rardin, resident- City of Redding	Ltr: Rardin water system modifications & transmits ltr written by A Christiansen, w/ encls	1598	1652-95113	32	0001
96/09/12	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Response to Stauffer Mattie pumping program	1601	1652-95116	32	0014
96/09/12	Michael Hingerty- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Upcoming technical mtg re implementation of HDS at site	1599	1652-95114	32	0006
96/09/19	Garth Griffin- US Dept of Commerce - National Oceanic & Atmospheric Administration	-	Ltr: Notice of West Coast Steelhead public hearings - dates & locations	1602	1652-95117	32	0017
96/09/23	Melinda Taplin- Environmental Protection Agency - Region 9	- Shasta Natural Science Assoc	Amendment to assistance agreement w/TL to M Howe fr Melinda Taplin	1946	1652-95224	034	2698
96/09/23	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Mattie mine overflow investigation w/ encl	1948	1652-95281	034	2705

96/09/23	- Shepherd Miller, Inc	- Stauffer Management Co	Draft workplan to characterize copper & zinc loading fr Lawson Rd cementation plant near WR-20 to Boulder Creek during significant rainstorms	1945	1652-04052	034	2690
96/09/23	J Coglaiti-Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of AMD neutralization treatment system for 8/96 w/attch	1947	1652-95254	034	2701
96/09/24	John Spitzley- C H 2 M Hill	Nick Iadanza-National Oceanic & Atmospheric Administration - National Marine Fisheries Service	TL: Documents prepared in response to comments submitted by Stauffer (SMC) (Privileged - FOIA 5)	1950	1652-04383	034	2713
96/09/24	Martha Jacob-Redding Record Searchlight	-	Newsclip: River users seek harder pollution fight	1603	1652-03963	32	0020
96/09/26	- Shepherd Miller, Inc	- Stauffer Management Co	Workplan to characterize copper & zinc loading fr Lawson Rd cementation plant near WR-20 to Boulder Creek during simulated rainstorm event w/TL	1604	1652-03976	32	0022
96/09/27	James Selber-Univ of Nevada	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: University of Nevada/Reno AMD remediation research & development (R&D) at site	1608	1652-95124	32	0068
96/09/27	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Info re Upper Spring Creek Diversion Inspection (4 documents)	1607	1652-95123	32	0066
96/09/27	Mary MaloneyHuss-Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Requests that v67, 72 & 73 be included in the next administrative record supplement	1606	1652-95122	32	0063
96/09/27	- Stauffer Management Co	-	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, v73	1605	1652-03915	32	0030
96/09/30	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Dick Glanzman TMs for response to comments document	1609	1652-95125	32	0071
96/09/30	- Environmental Protection Agency - Region 9	Keith Takata- Environmental Protection Agency - Region 9	Iron Mountain TAG information for grant period 10/1/93 - 9/30/96	1952	1652-95228	034	2746
96/09/30	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter-Stauffer Chemical Co	Ltr: Request for info on SMC 1995-96 treatment plant operations & portal discharge	1610	1652-95159	32	0073

96/10/00	- Geological Society of America	-	Excerpts: Abstracts with Programs, 1996 Annual Mtg (pp A-359 & A-465 to A-467)	1954	1652-95368	034	2752
96/10/00	Jerry Marcus-	-	Article: Robinson - new outlook for old operation [Engineering & Mining Journal (E&M)], October 1996, 43WW-46WW+)	1955	1652-95616	034	2758
96/10/01	Paul Ekoniak-Zeneca Inc	John Spitzley- CH 2 M Hill	Ltr: Transmits Basic Lab Rpt sheets for 9/96 for both on & off site sampling efforts w/encls	1956	1652-04054	034	2764
96/10/02	Cynthia Wetmore-Environmental Protection Agency - Region 9	-	HDS plant mtg agenda	1957	1652-95280	034	2772
96/10/02	Rick Sugarek-Environmental Protection Agency - Region 9	-	Mtg notes on HDS plant w/ agenda 10/2/96 & handouts	1611	1652-03978	32	0075
96/10/04	Frank Peter-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Release of AMD data	1612	1652-95126	32	0115
96/10/09	Rick Sugarek-Environmental Protection Agency - Region 9	Ted Arman- Iron Mountain Mine, Inc	ROC: University of Nevada/Reno pilot plant	1614	1652-95152	32	0121
96/10/09	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Stauffer Chemical Co	ROC: Arman "tie-in" to treatment plant	1615	1652-95153	32	0123
96/10/10	Brian Spiller-Stauffer Management Co	Keith Takata-Environmental Protection Agency - Region 9	Ltr: HDS plant w/ TL	1617	1652-95118	32	0135
96/10/10	Ted Arman- Iron Mountain Mine, Inc	Rick Sugaek-Environmental Protection Agency - Region 9	ROC: IMMI pilot project	1618	1652-95151	32	0139
96/10/10	Thomas Bloomfield-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: Summarizes planned coordination between Stauffer & CH2MHill during mixer & blower retrofit w/ encls	1616	1652-03977	32	0125
96/10/11	Ted Arman- Iron Mountain Mine, Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Will cooperate on AMD remediation at site	1620	1652-95129	32	0146
96/10/11	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	ROC: Stauffer ltr 10/10/96 re modifications	1621	1652-95150	32	0150
96/10/11	Rick Sugarek-Environmental Protection Agency - Region 9	-	Notes re 10/10/96 ltr fr B Spiller of Stauffer	1619	1652-95128	32	0141

96/10/12	- C H 2 M Hill	-	Photos (41): Boulder Creek Weir	1622	1652-03910	32	0152
96/10/14	Paul Ekoniak-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Triangular weir construction at Boulder Creek Mouth (BCMO) completion	1623	1652-95130	32	0165
96/10/15	Jim Stefanoff- C H 2 M Hill	Tom Bloomfield-Environmental Protection Agency - Region 9	Memo: Stauffer Ltr to K Takata 10/10/96 re HDS plant	1959	1652-95284	034	2778
96/10/15	Alice Thomas-	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: HDS mixers & blowers	1627	1652-95144	32	0174
96/10/15	Jim Stefanoff- C H 2 M Hill	Tom Boomfield-Environmental Protection Agency - Region 9	Ltr: Response to Stauffer claims re HDS plant	1633	1652-95165	32	0186
96/10/15	Rick Sugarek-Environmental Protection Agency - Region 9	Laurie Sullivan-US Dept of Commerce - National Oceanic & Atmospheric Administration	ROC: HDS mixers & blowers	1629	1652-95146	32	0178
96/10/15	Keith Takata-Environmental Protection Agency - Region 9	Brian Spiller-Stauffer Management Co	Ltr: Start-up of HDS plant cannot be delayed	1624	1652-95131	32	0167
96/10/15	Rick Sugarek-Environmental Protection Agency - Region 9	Kerry Rae- US Dept of Interior - Bureau of Reclamation	ROC: HDS mixers & blowers	1628	1652-95145	32	0176
96/10/15	Rick Sugarek-Environmental Protection Agency - Region 9	Dan Welsh- US Dept of Interior - Fish & Wildlife Service	ROC: HDS mixers & blowers	1632	1652-95149	32	0184
96/10/15	Rick Sugarek-Environmental Protection Agency - Region 9	Don Mandel- CA Environmental Protection Agency - Dept of Toxic Substances Control	ROC: HDS mixers & blowers	1630	1652-95147	32	0180
96/10/15	Rick Sugarek-Environmental Protection Agency - Region 9	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	ROC: HDS mixers & blowers	1631	1652-95148	32	0182
96/10/15	J Coglaiti-Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of AMD neutralization treatment system for 8/96 w/attach	1958	1652-95258	034	2774
96/10/15	John Cox-Sacramento Bee	-	Newsclip: Pump plan called threat to salmon	1626	1652-95133	32	0172
96/10/15	Norman Williams-Sacramento Bee	-	Newsclip: Big factory on tap for Shasta City	1625	1652-95132	32	0170
96/10/16	Kenneth Garcia-San Francisco Chronicle	-	Newsclip: A truce in water wars	1634	1652-95121	32	0190
96/10/16	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: Lawson Rd cementation plant simulated rainstorm test	1635	1652-95135	32	0194

96/10/17	Rick Sugarek- Environmental Protection Agency - Region 9	Ted Arman- Iron Mountain Mine JFM	Ltr: Requests that IMMI submit a study to plan & schedule for research & development project in cooperation with U Nevada, Reno	1637	1652-95138	32	0200
96/10/17	Rick Sugarek- Environmental Protection Agency - Region 9	James Selber- Univ of Nevada	Ltr: Cooperative R&D project between U Nevada and IMMI	1636	1652-95137	32	0197
96/10/17	- Morrison- Knudsen Corp	-	IMM project log	1960	1652-04038	035	0001
96/10/21	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Modification of ASM (aerated simple mix) reactors w/TL	1638	1652-95140	32	0203
96/10/23	John Spitzley- C H 2 M Hill	Harry Rectenwald- CA Dept of Fish & Game	Ltr: Transmits drafts prepared at request of counsel, w/encls (Privileged, FOIA ex 5)	1962	1652-04075	035	0152
96/10/23	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Trustee conference call notes w/trustee mtg agenda 10/23/96 (Privileged - FOIA ex 5)	1961	1652-04044	035	0150
96/10/25	Rick Sugarek- Environmental Protection Agency - Region 9	Rachel Loftin- Environmental Protection Agency - Region 9	MCSA quarterly progress & interim budget rpts (1/96-6/96) & evaluation form w/TLs	1639	1652-03975	32	0207
96/10/25	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Mattie mine pumping program w/attchs A & B	1640	1652-03984	32	0223
96/10/25	Steve Robertson- US Dept of Interior - Bureau of Reclamation	Kerry Rae- US Dept of Interior - Bureau of Reclamation	Memo: Upper Spring Creek Diversion facilities inspection (AO 90-08), w/TL to R Sugarek fr P Howard 11/13/96	1963	1652-95292	035	0154
96/10/28	Rick Sugarek- Environmental Protection Agency - Region 9	-	Comparison of sludge pond seep water to treatability study filtrate	1641	1652-04000	32	0230
96/10/29	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits analytical results fr 10/21-22 testing of FLTB (seep in swale below pond 3) & pond 4GW (underdrain discharge pipe fr pond 4) w/encls	1642	1652-04002	32	0238

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# IRON MOUNTAIN MINE

## Superfund Site

### September 1997 Record of Decision (part 5)

#### Administrative Record Index

To request copies of administrative record documents, an [electronic order form](#) is available.

The documents contained in this administrative record (AR) were used by the U.S. Environmental Protection Agency (EPA) in identifying appropriate remedial activities for the Record of Decision (ROD) signed by EPA on September 30, 1997. This ROD addresses sources in the Slickrock Creek watershed at the Iron Mountain Mine Superfund site near Redding, California. The original AR compilation and its first three supplements were referred to as "Spring Creek Debris Dam Operable Unit", because the documents supported EPA's 1994 Proposed Plan to enlarge the Spring Creek Debris Dam. For administrative convenience, Supplements 4-8 continued to be identified as "Spring Creek Debris Dam Operable Unit" even though the Proposed Plan for May 1996 did not propose enlargement or modification of the dam. With this final supplement and the signing of ROD4, however, the administrative record has finally adopted its current, more accurate title. Key documents in this administrative record include the 1994 Proposed Plan (AR #355), the 1996 Proposed Plan (AR #1424), EPA's response to comments (AR #2396 - #2400) and the ROD (AR #2395).

Eight previous administrative records are included by reference in this September 1997 Record of Decision administrative record: the October 1986 Record of Decision AR, the 1988 Removal AR, the Administrative Order 89-18 AR, the Administrative Order 91-07 AR, the Boulder Creek Operable Unit, September 1992 Record of Decision AR, the Unilateral Administrative Order 92-96 AR, the Old/#8 Mine Seep OU AR, and the Flat Creek Bridge Removal Action AR.

The administrative record file was added to as documents became available. The file was updated in nine supplements and contains 2400 documents (not including documents incorporated by reference). The cumulative index lists the documents in ascending chronological order.

The list of U.S. Environmental Protection Agency guidance documents which were considered or relied upon in the selection of the remedy are documents AR #28, #1281 and #1677. Copies of the guidance documents are contained in the Compendium of CERCLA Response Selection Guidance Documents located in the Region 9 Superfund Records Center.

March 4, 1998

#### List of Abbreviations and Acronyms Used in Administrative Record Index

Abbreviation	Meaning
ACS	American Chemical Society
ADS	Advanced Drainage Systems, Inc.
AIDS	Auto Immune Deficiency Syndrome
AIME	American Institute of Mining, Metallurgical and Petroleum Engineers
AMD	Acid Mine Drainage

AMS	Acid Mine Spillage
AO	Administrative Order
APCO	Air Pollution Control Officer
ASM	Aerated Simple Mix
Assoc	Associates
ATSDR	Agency for Toxic Substances and Disease Registry
attch	attachment
BCMO	Mouth of Boulder Creek
BFP	Brick Flat Pit
BHP	Company name
BLM	Bureau of Land Management
BOR	Bureau of Reclamation (U.S. Department of Interior)
CA	Cooperative Agreement or State of California
CADD	Computer Aided Design
CADOWR	California Department of Water Resources
CaO	Calcium Oxide
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
CFR	Code of Federal Regulations
CH2M Hill	Environmental Company
CIM	Canadian Institute of Mining
Co	Company
CONCEPTC	Conceptual Design Concurrence
CR	Contaminant Resistant
CRWQCB	California Regional Water Quality Control Board
CrystaBOND	Trademark
CVP	Central Valley Project
DFG	Department of Fish and Game
DNA	Deoxyribonucleic Acid
DOJ	Department of Justice
DTSC	California Department of Toxic Substances Control
E&MJ	Engineering and Mining Journal
EA	Environmental Analysis
EBMUD	East Bay Municipal Utilities District
EIMCO	Company name
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
encl	enclosure
EPA	Environmental Protection Agency
ESU	Evolutionarily Significant Unit
FFS	Focus Feasibility Study
FLTb	Tributary to Flat Creek
FOIA	Freedom of Information Act
FORTTRAN	Programming language
fr	from

FS	Feasibility Study
FSA	Food Security Act
FSP	Field Sampling Plan
FY	Fiscal Year
GLC	Gas Liquid Chromatography
GSA	General Services Administration
HBMS	Hudson Bay Mining and Smelting Co.
HDS	High Density Sludge
HDSTP	High Density Sludge Treatment Plan
HSPF	Hydrologic Simulation Program FORTRAN
IAG	Interagency Agreement

ICI	PRP contractor
ICIA	US American (PRP) contractor
IM	Iron Mountain
IMM	Iron Mountain Mine
IMMI	Iron Mountain Mine, Inc.
IMMWQ	Iron Mountain Mine Water Quality
MDA	Methylenedianiline
MgO	Magnesium Oxide
MK	Morrison Knudsen
MMAJ	Metal Mining Agency of Japan
MRRC	Mining Remedial Recovery Co., Inc.
MSCA	Multi-Site Cooperative Agreement
mtg	meeting
N	North
NAWQA	National Ambient Water Quality Assessment
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OH	State of Ohio
ORC	Office of Regional Counsel
OU	Operable Unit
P&ID	Piping & Instrumentation Design
PACE	Trademark
PG&E	Pacific Gas and Electric
pH	Acidity/Alkalinity
PMF	Probable Maximum Flood
PMT	Project Management Team
PRP	Potentially Responsible Party
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
R	River
RA	Remedial Action
RA/RI	Remedial Action/Remedial Investigation
RD	Remedial Design
RD/RA	Remedial Design/Remedial Action
REVIEWC	Type of decision memo from U.S. Department of Interior
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROC	Record of Communication
ROD	Record of Decision
RP	Rhone-Poulenc
rpt	report
S	South
Sacto	Sacramento
SAP	Sampling and Analysis Plan
SCAP	Superfund Comprehensive (or Consolidated) Accomplishments Plan
SCDD	Spring Creek Debris Dam
SEA	Spaulding Environmental Associates
SEED	Safety Evaluation of Existing Dams
SF	San Francisco
SMARA	Surface Mining & Reclamation Act
SMC	Stauffer Management Co.
SNSA	Shasta Natural Science Association
SOW	Statement of Work or Scope of Work
SPECB	Specifications (having to do with bids)
SRC	Slickrock Creek

SRTPCP	Sacramento River Toxic Pollutant Control Program
SRWP	Sacramento River Watershed Program
SSP	Site Safety Plan
SVTC	Sacramento Valley Toxics Campaign
TA	Technical Assistance
TAC	Technical Advisory Committee
TAG	Technical Assistance Grant
TL	Transmittal Letter
TSC	Superfund Technical Support Center (Hotline)
UAO	Unilateral Administrative Order
UC	University of California
US	United States
USA	United States Army
USBR	United States Bureau of Reclamation (U.S. Department of Interior)
USDOJ	United States Department of Interior
USFWS	United States Fish and Wildlife Service (U.S. Department of Interior)
USGS	United States Geologic Survey
v	versus or volume
w/	with
w/o	without
WQM	Water Quality Management Plan
Zn	Zinc

#### Administrative Record Index

96/10/29	Keith Takata- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Stauffer will coordinate operation of ASM (aerated simple mix) treatment plant during EPA modifications to implement HDS remedy	1643	1652-95141	32	0250
96/10/30	Rick Sugarek- Environmental Protection Agency - Region 9	George Goodridge- Rhone-Poulenc Basic Chemicals Co	Ltr: Transmits 2 ltrs (10/25/96 & 10/29/96) EPA sent to Stauffer re requirements of unilateral administrative orders 93-01 & 94-12, w/encls	1644	1652-03974	32	0254
96/10/30	Paul Ekoniak- Zeneca Inc	John Spitzley- C H 2 M Hill	Ltr: Transmits Basic Lab Rpt sheets for 10/96 for both on & off site sampling efforts w/encls	1964	1652-04055	035	0159
96/10/31	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits results of lab testing of water samples collected at IMM 10/28/96 w/encl	1645	1652-04001	32	0264
96/10/31	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Administrative record issues in response to 9/27/96 ltr to M Hingerty, w/TLs	1646	1652-95168	32	0279

96/10/31	- National Oceanic & Atmospheric Administration - National Marine Fisheries Service	-	Endangered & threatened species threatened status for Central CA coast coho salmon evolutionarily significant unit (ESU), 50 CFR pt 227 (61 FR 56138)	1965	1652-04358	035	0166
96/11/00	Paul Ekoniak-Zeneca Inc	John Spitzley- C H 2 M Hill	Ltr: Transmits Basic Lab Rpt sheets for 9/96 for both on & off site sampling efforts w/encls	1966	1652-04060	035	0193
96/11/01	- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Mtg summary - HDS treatment plant site coordination sludge distribution discharge at drying beds	1967	1652-03994	035	0222
96/11/01	John Kemmerer- Environmental Protection Agency - Region 9	Stephen Hanks-Morrison-Knudsen Corp	Ltr: 104(e) request for information w/ encls w/o mail receipt P878 532 546	1650	1652-03988	32	0359
96/11/01	John Kemmerer- Environmental Protection Agency - Region 9	George Goodridge-Rhone-Poulenc Basic Chemicals Co	Ltr: Requests permission to inspect & copy documents maintained pursuant to admin orders issued to Rhone-Poulenc, w/o mail receipt P878 532 550	1651	1652-95142	32	0382
96/11/01	John Kemmerer- Environmental Protection Agency - Region 9	Brian Spiller-Stauffer Management Co	Ltr: 104(e) request for information w/ encls w/o mail receipt P878 532 548	1647	1652-03985	32	0285
96/11/01	John Kemmerer- Environmental Protection Agency - Region 9	William Marrazzo- Roy F Weston, Inc	Ltr: Follow-up on 104(e) request for information with 2nd request for info not identified in earlier request w/ attchs w/o mail receipt P878 532 549	1648	1652-03986	32	0302
96/11/01	- C H 2 M Hill	-	Aerial photos: 15 9 1/2 x 9 1/2 in color, site investigation, oblique views #2-#13, #15 & #16 & direct view #2-2	1968	1652-04208	035	0230
96/11/01	John Kemmerer- Environmental Protection Agency - Region 9	S Hansen- S.R. Hansen & Assoc	Ltr: Follow-up on 104(e) request for information with 2nd request for info not identified in earlier request w/ attchs w/o mail receipt P878 532 547	1649	1652-03987	32	0333
96/11/04	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality rpts (7/17/96-11/4/96) w/TLs	1652	1652-03917	32	0385

96/11/04	Alice Thomas, resident- Shasta County	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Cadaver preservation	1653	1652-95143	32	0406
96/11/06	Michael Cates- CH 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Failure mode & effect analysis during mixer & blower retrofit (draft)	1969	1652-95279	035	0248
96/11/07	Paul Ekoniak- Zeneca Inc	John Spitzley- CH 2 M Hill	Ltr: Transmits 03 additional Basic Lab rpt sheets for 10/96 to supplement existing rpt w/ encls	1971	1652-95260	035	0267
96/11/08	Mary MaloneyHuss- Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	Ltr: Supplemental v67-73 are relevant to FS addendum published by EPA in 5/96 & earlier RODs	1973	1652-95246	035	0281
96/11/08	Paul Ekoniak- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Summary of sampling program & requests review & approval of IM draft sampling program for 96-97 winter season w/tables 1-6	1972	1652-04079	035	0272
96/11/08	Mary MaloneyHuss- Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	Ltr: Administrative record issues in response to 10/31/96 ltr	1654	1652-95167	32	0408
96/11/09	- Sacramento River Preservation Trust	-	State of Sacramento River conference program w/attchs	1974	1652-04057	035	0284
96/11/11	Brian Spiller- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Response to 104(e) ltrs	1655	1652-95164	32	0411
96/11/11	Frank Peter- Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Stauffer disagrees that it violated a UAO as stated in 10/25/96 Mattie ltr w/encl	1975	1652-95261	035	0315
96/11/12	George Goodridge- Rhone-Poulenc Basic Chemicals Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Inspection request in response to 11/1/96 ltr	1976	1652-95262	035	0320
96/11/12	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Administrative record issues in response to 11/8/96 ltr	1656	1652-95166	32	0414
96/11/13	Paul Ekoniak- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests review of weir improvements at Boulder Creek, w/ encls	1977	1652-95293	035	0322
96/11/13	Alice Thomas, resident- City of Redding	Rick Sugarek- Environmental Protection Agency - Region 9	Rpt about Tom Boyer, deceased IMM miner	1978	1652-95371	035	0327

96/11/13	John Kemerrer- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Transmits financial disclosure form referenced in T04 (e) request for info 11/1/96, w/ encl	1657	1652-95162	32	0418
96/11/14	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits sludge data since start-up of aerated simple mix treatment plant in fall of 94 & data collected in Brick Flat Pit since 10/94 w/ encls	1658	1652-04003	32	0424
96/11/14	Rick Sugarek- Environmental Protection Agency - Region 9	F Peter- Stauffer Management Co	ROC: HDS O&M start-up	1979	1652-95263	035	0331
96/11/18	Rick Sugarek- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Comments on HDS treatment plant modifications	1659	1652-04004	32	0431
96/11/18	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Preliminary rpt on biological survey results	1980	1652-04110	035	0333
96/11/18	- CA Regional Water Quality Control Board	-	Cease & desist order & NPDES permit w/TL to R Sugarek fr D Heiman	1660	1652-04005	32	0439
96/11/19	J Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of AMD neutralization treatment system for 10/96 w/atrch	1981	1652-95264	035	0338
96/11/21	Ted Arman- Iron Mountain Mine, Inc	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Resource recovery project	1987	1652-95265	035	0361
96/11/21	Thomas Bloomfield- Environmental Protection Agency - Region 9	Stephen Hanks- Morrison- Knudsen Corp	Ltr: Extends 104 (e) response deadline to 1/6/97	1986	1652-95249	035	0358
96/11/21	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Information & inspection requests w/TL & activity rpt	1983	1652-04035	035	0345
96/11/21	Thomas Bloomfield- Environmental Protection Agency - Region 9	William Marrazzo- Roy F Weston, Inc	Ltr: Extends 104 (e) response deadline to 1/6/97	1985	1652-95248	035	0355
96/11/21	Richard Procunier- Environmental Protection Agency - Region 9	Distribution-	Memo: Wilson appointees fire regional water chief (reported in Sacto Bee 11/19/97)	1988	1652-95266	035	0363
96/11/21	Thomas Bloomfield- Environmental Protection Agency - Region 9	S Hansen- S.R. Hansen & Assoc	Ltr: Extends 104 (e) response deadline to 1/6/97	1984	1652-95247	035	0352

96/11/25	Penny Howard- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits 2 memos & ltr requested for use in responding to IMM comments w/4/12/95 memo, w/o 6/18/96 memo (Redacted, FOIA ex 5)	1991	1652-04073	035	0378
96/11/25	Penny Howard- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits 2 memos & ltr requested for use in responding to IMM comments w/ encls	1990	1652-04058	035	0368
96/11/26	Rick Sugarek- Environmental Protection Agency - Region 9	Ken Hunter- Univ of Nevada	ROC: IMM metal recovery test	1993	1652-95253	035	0408
96/11/26	- US Dept of Interior - Bureau of Reclamation	-	Current reclamation modeling assumptions for Sacramento River flows w/TL & original draft transmittal ltr to R Sugarek fr P Howard	1992	1652-04059	035	0386
96/11/27	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Remediation of metal loading at Slickrock Creek & transmits proposal - Further acid & metal collection in Slickrock Creek w/encl	1996	1652-04081	035	0465
96/11/27	Cynthia Wetmore- Environmental Protection Agency - Region 9	Richard Hume- CA Environmental Protection Agency - Dept of Toxic Substances Control	ROC: 1st amendment to UAO 94-12	1997	1652-95291	035	0472
96/12/06	Mary MaloneyHuss- Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	Ltr: Review of UAO files w/TL	1998	1652-04033	035	0474
96/12/06	Penny Howard- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Review of Spring Creek reservoir capacity rpt prepared by Stauffer 10/13/95	1999	1652-95256	035	0481
96/12/06	Nancy Parker- US Dept of Interior - Bureau of Reclamation	Clementine Berger- US Dept of Interior - Office of the Solicitor	Comments prepared for litigation defense w/TL to R Sugarek fr K Rae (Privileged, FOIA ex 5)	1661	1652-03909	32	0466
96/12/08	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Analysis of Boulder Creek mouth data for 12/1 - 4/30 for 94-95 & 95-96 fr Stauffer summary data	2000	1652-95255	035	0484
96/12/10	Frank Michny- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Reply to request for current Reclamation modeling assumptions for Sacto River flows	2003	1652-95257	035	0504



96/12/10	Dallas Linford- US Dept of Interior Bureau of Reclamation	Larry Addison- C H 2 M Hill	TL: Provides BOR horizontal & vertical survey control points in vicinity of Spring Creek Reservoir	2004	1652-95259	035	0507
96/12/11	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Transmits 2 administrative record documents for 1st amendment to UAO 94-12 w/ encls	2005	1652-04062	035	0509
96/12/12	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes re 1st amendment to UAO 94-12 (EPA & Stauffer)	2010	1652-04063	035	2433
96/12/12	- Hagler Bailly Consulting, Inc	- Breidenbach, Buckley, Huchting, Halm & Hamblet	Preliminary toxicological evaluation, US v IMM, Inc, v3 - raw data & supporting documentation, pt 1 - test phase 9601	2009	1652-04043	035	2081
96/12/12	- Hagler Bailly Consulting, Inc	- Breidenbach, Buckley, Huchting, Halm & Hamblet	Preliminary toxicological evaluation, US v IMM, Inc, v3 - raw data & supporting documentation, pt 2 - test phase 9602	2008	1652-04042	035	1793
96/12/12	- Hagler Bailly Consulting, Inc	- Breidenbach, Buckley, Huchting, Halm & Hamblet	Preliminary toxicological evaluation re US v IMM, Inc, v1 - data rpt	2006	1652-04040	035	0562
96/12/12	- Hagler Bailly Consulting, Inc	- Breidenbach, Buckley, Huchting, Halm & Hamblet	Preliminary toxicological evaluation, US v IMM, Inc, v2 - protocols, standard operating procedures, & quality assurance documentation	2007	1652-04041	035	1018
96/12/13	Cynthia Wetmore- Environmental Protection Agency - Region 9	-	Teleconference mtg 12/13/96 w/ list of possible issues re HDS treatment plant	2015	1652-95282	035	2506
96/12/13	- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Transmits Basic Lab rpt 1/31/95 sampling of hematite piles, memo re "Review of Weston docs," & proj sched for Slickrock creek retention w/lab rpt	2014	1652-95269	035	2503
96/12/13	Sara Russell- CA Dept of Justice	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Data & supporting documentation fr tests re copper toxicity using site waters that mix with discharge fr Spring Creek, v1- 3	2013	1652-95250	035	2501

96/12/13	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield-Environmental Protection Agency - Region 9	Ltr: 104(e) requests w/TL	2011	1652-04034	035	2443
96/12/13	- Stauffer Management Co	- Environmental Protection Agency - Region 9	Supplemental rpts submitted on behalf of Rhone-Poulenc as pt of response to water management FS, v74 w/TL & 7-10/96 date files on diskette	2012	1652-04065	035	2473
96/12/16	C Adamo- C H 2 M Hill	Cynthia Wetmore-Environmental Protection Agency - Region 9	Memo: Summarizes construction facilities & equipment testing performed at high density sludge treatment plant	2020	1652-95273	035	2527
96/12/16	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield-Environmental Protection Agency - Region 9	Ltr: Operation of HDS Plant in accordance with 1st amendment to UAO 94-12	2016	1652-04066	035	2511
96/12/16	Rick Sugarek-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	TL: AR for 1st amendment to UAO 94-12	2021	1652-95274	035	2530
96/12/16	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Stauffer Management Co	ROC: Status of Brick Flat Pit sludge discharge	2019	1652-95272	035	2523
96/12/16	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: Request for Lawson Rd cementation plant simulated rainstorm test	2017	1652-95270	035	2518
96/12/16	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Zeneca Inc	Ltr: Requests that Stauffer per UAO 94-12 to restore proper surface water drainage in vicinity of Minnesota Flats treatment plant	2018	1652-95271	035	2520
96/12/18	J Coglaiti-Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of IM AMD neutralization treatment system for 11/96 w/encl	2023	1652-95275	035	2539
96/12/18	Frank Peter-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmits Rhone-Poulenc comments re HDS start-up & shakedown periods w/attch	2022	1652-04067	035	2532
96/12/19	John Kemmerer-Environmental Protection Agency - Region 9	Brian Spiller-Stauffer Management Co	Ltr: UAO 94-12 terms modified to encourage compliance, w/TL	2026	1652-04070	035	2572
96/12/19	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek water quality & flow information, Central Valley project (9/18/96 - 12/19/96)	2025	1652-04069	035	2553

96/12/19	- C H 2 M Hill	-	Draft HDS process overview for 09/96 manual w/TL to R Sugarek fr J Stefanoff	2024	1652-04068	035	2543
96/12/20	Rick Sugarek-Environmental Protection Agency - Region 9	-	ROC: Conference call with CH2M Hill & Stauffer re HDS issues w/ encl	2027	1652-95276	035	2579
96/12/22	Frank Michny-US Dept of Interior - Bureau of Reclamation	Ted Arman-Iron Mountain Mine, Inc	Ltr: Request for additional information re access to Reclamation lands for removal of pyritic material at Matheson	2028	1652-95295	035	2585
96/12/23	Lee Erickson-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Brickflat Pit drainage problems w/ attchs 1-4	2029	1652-04082	035	2588
96/12/23	Mary MaloneyHuss-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Agreement with J Kemmerer 12/19/96 ltr to B Spiller, with 2 exceptions (UAO 94-12), w/TL	2031	1652-95294	035	2617
96/12/23	Rick Sugarek-Environmental Protection Agency - Region 9	-	ROC: Conference call re Stauffer operation of HDS plant during start-up shake-down	2030	1652-95277	035	2612
96/12/24	Ron Luehring-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Comparison of parameters - SCDD v Teton Dam w/encl	2032	1652-95278	035	2621
96/12/26	Donald Mandel-CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Discussion of Stauffer comments & transmits response to comments on water management FS addendum for site 4/96 w/encl	2033	1652-04083	035	2626
97/00/00	- US Dept of Interior - Bureau of Reclamation	- Environmental Protection Agency - Region 9	Spring Creek water quality weekly rpts for samples collected 3/24/97-9/17/97 (20 rpts), w/TLs to R Sugarek	2034	1652-04303	035	2639
97/00/00	- Stauffer Management Co	- Environmental Protection Agency - Region 9	Monthly analytical results of Acid Mine Drainage (AMD) Neutralization Treatment System for 2/97-7/97 (6 rpts), w/ TLs	2035	1652-04304	035	2682
97/00/00	- C H 2 M Hill	-	Aerial photos: 7 11x17 color copies, mine workings 9/3/68	2036	1652-04317	036	0001
97/00/00	- Sacramento River Trust	-	Newsletter: River Run, summer 1997	2037	1652-95562	036	0016
97/01/02	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Photos: 126 4x6 in color of New Year's storm (taken 12/31/96-1/2/97)	2038	1652-04120	036	0025

97/01/02	Charles Alpers- US Dept of Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Change order re Spring Creek debris Dam fr BOR	2039	1652-95326	036	0093
97/01/03	Malcolm Watts- Stauffer Management Co	Jim Stefanoff- C H 2 M Hill	Ltr: Comments on proposed addition to HDS facility O & M manual	2040	1652-95283	036	0096
97/01/06	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	ROCs: 1997 storms at site (12/31/96 - 1/6/97)	2041	1652-04046	036	0100
97/01/06	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Stauffer Management Co	Ltr: Confirms teleconference 1/6/97 re 1st amendment to UAO 94-12	2042	1652-04072	036	0111
97/01/07	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Draft sections to be modified for inclusion in appendix of O & M manual w/ marginalia & TL to R Sugarek fr J Stefanoff	2043	1652-04090	036	0119
97/01/08	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Photos: 29 6x4 in color of Flat Creek Bridge temporary repair & other site locations including HDS treatment plant (taken 1/4/97- 1/8/97)	2044	1652-04122	036	0135
97/01/08	Ralph Jennings- Redding Record Searchlight	-	Newsclip: Plant "shrinks" Iron Mountain waste	2046	1652-95329	036	0169
97/01/10	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Discussion of agenda for 1/15/97 mtg	2048	1652-95313	036	0174
97/01/13	Andy Cramer- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: IMM Enforcement oversight/ compliance monitoring (week 1)	2049	1652-04086	036	0177
97/01/14	Rick Sugarek- Environmental Protection Agency - Region 9	Megan Zachary- City of Anderson	Ltr: Summary of Superfund cleanup actions at site	2050	1652-95314	036	0184
97/01/15	Kirk Nordstrom- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review of Shepherd Miller natural background doc re determination of natural background metals concentrations in Boulder & Slickrock creeks	2052	1652-04347	036	0201
97/01/15	- Redding Record Searchlight	-	Newsclip: Plant "shrinks" waste	2053	1652-95328	036	0218
97/01/15	Rick Sugarek- Environmental Protection Agency - Region 9	-	Mtg notes: HDS start-up plant performance during 1/97 storm event, w/ draft response actions	2051	1652-04089	036	0188

97/01/16	Andy Cramer- C H 2 M Hill	Rick Sugarek- Environmental Agency - Region 9	Memo: IMM Enforcement versus compliance monitoring (week 2)	2054	1652-04085	036	0220
97/01/17	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Activity description for Spring Creek Reservoir, Spring Creek Arm & Keswick Reservoir sediment study	2058	1652-95374	036	0328
97/01/17	Valerie Connor- CA Regional Water Quality Control Board - Central Valley Region	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Metal toxicity to EPA bioassay species in water samples collected downstream fr Keswick reservoir (88-93)	2057	1652-04092	036	0302
97/01/20	Mary MaloneyHuss- Stauffer Management Co	Ted Arman- Iron Mountain Mine, Inc	Ltr: Rip Rap & Ballast material at site, w/TL 1/21/97	2059	1652-95307	036	0332
97/01/21	- C H 2 M Hill	-	IM Creek system sampling locations & 4 photos 4x6 in color of Brick Flat Pit discharges (taken 12/10/96) w/TL to R Sugarek fr J Spitzley 1/21/97	2060	1652-95316	036	0335
97/01/22	Ted Arman- Iron Mountain Mine, Inc	Mary MaloneyHuss- Stauffer Management Co	Ltr: Rip rap & ballast material & damages to IM properties, w/ encls & TL to R Sugarek fr T Arman	2061	1652-95298	036	0340
97/01/23	James Tjosvold- CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: State concurrence with proposed 4th interim record of decision (ROD) for collection and treatment of Slick Rock Creek flows	2062	1652-95297	036	0346
97/01/24	Ted Arman- Iron Mountain Mine, Inc	Mary MaloneyHuss- Stauffer Management Co	Ltr: Commercial materials at site	2063	1652-95305	036	0349
97/01/24	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: HDS treatment plant	2064	1652-95317	036	0352
97/01/28	J Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board	Ltr: Heavy 12/96 rains affect Brick Flat Pit filtrate system & transmits analytical results of AMD neutralization treatment system for 12/96, w/encl	2066	1652-95332	036	0379
97/01/28	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Tunnel fr HDS plant site to Spring Creek, w/ attchs	2065	1652-04366	036	0355
97/01/29	Ted Arman- Iron Mountain Mine, Inc	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Proposal to sell commercial materials at site	2068	1652-95301	036	0436

97/01/29	Mary MaloneyHuss-Stauffer Management Co	Ted Arman-Iron Mountain Mine, Inc	Ltr: Response to 1/22/97 ltr regarding reimbursement for damages at site	2069	1652-95308	036	0438
97/01/29	- Basic Laboratory	Paul Ekoniak-Zeneca Inc	Summary of January rainfall & Basic Lab rpt sheets for 1/96 w/TL to J Spitzley fr P Ekoniak 2/2/97	2067	1652-04099	036	0383
97/01/30	Mary MaloneyHuss-Stauffer Management Co	Ted Arman-Iron Mountain Mine, Inc	Ltr: Response to 1/24/97 ltr re removal of materials fr site, w/TL	2071	1652-95304	036	0443
97/01/30	Ted Arman-Iron Mountain Mine, Inc	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Removal of iron ore tailings fr stockpile owned by IMMI at site	2070	1652-95302	036	0440
97/01/31	James Hawley-Stauffer Management Co	Paul Ekoniak-Stauffer Management Co	Sampling data w/ TL fr P Ekoniak to A Cramer 2/5/97	2072	1652-04096	036	0446
97/02/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Tailings investigation	2073	1652-04094	036	0460
97/02/00	Dan Mares- US Dept of Interior - Bureau of Reclamation	-	Supplemental modification decision analysis (MDA) decision memo & rpt on risk assessment of Spring Creek Dam Debris, w/ marginalia & TL, 3/31/97	2074	1652-04180	036	0722
97/02/00	Jerry Marcus-	Jerry Marcus-	Article: Closing BHPs Island Copper mine - a study in dignity, honor & pride [Engineering & Mining Journal (E&M)], February 1997, 28WW-34WW+] ]	2075	1652-04245	036	0811
97/02/05	- US Dept of Interior - Geological Survey	- Environmental Protection Agency - Region 9	Draft SOW & budget, Spring Creek Reservoir, Spring Creek Arm & Keswick Reservoir sediment study, w/TLS to R Sugarek fr C Alpers	2076	1652-04184	036	0819
97/02/05	- US Dept of Interior - Geological Survey	- Environmental Protection Agency - Region 9	Draft SOW & budget, Spring Creek Reservoir, Spring Creek Arm & Keswick Reservoir sediment study, w/TL to R Sugarek fr C Alpers (original)	2078	1652-95375	036	0829
97/02/05	Rick Sugarek-Environmental Protection Agency - Region 9	Ted Arman-Iron Mountain Mine, Inc	Ltr: IMMI proposed sales of hematite	2077	1652-95319	036	0826

97/02/06	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Enforcement oversight/ compliance monitoring, week 3	2079	1652-04095	036	0835
97/02/06	- US Dept of Interior - Bureau of Reclamation	-	Spring Creek/ Below Keswick January 1997 storm data for water samples collected 12/30/96- 1/8/97, w/TL to R Sugarek fr K Rae	2080	1652-04250	036	0848
97/02/07	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: IMM tailings investigation	2081	1652-95320	036	0856
97/02/10	Robert Huggett- Environmental Protection Agency - Office of Research & Development	- Environmental Protection Agency	Memo: Peer review evaluation audit protocol & process, w/ attchs & marginalia	2083	1652-04183	036	0865
97/02/10	Andy Cramer- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Enforcement oversight/ compliance monitoring (week 4) w/TL	2084	1652-95321	036	0878
97/02/10	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Performance testing re sludge bed w/ HDS plant agenda	2082	1652-04097	036	0858
97/02/11	- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Photos: 23 in color of settling ponds, emergency storage tank & Flat Creek Bridge, TV interview with Mat Madison, w/ TL	2085	1652-04106	036	0889
97/02/11	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Performance testing & transmits results of effluent (HDS thickener overflow) w/encl	2086	1652-95322	036	0902
97/02/12	Michael Smith- C H 2 M Hill	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Discusses decision to implement high density sludge (HDS) treatment process	2087	1652-95376	036	0905
97/02/13	Rick Sugarek- Environmental Protection Agency - Region 9	Elizabeth Katz- US Dept of Health & Human Services	ROC: Health issues re Lawson rehab	2090	1652-95323	036	0942
97/02/13	- US Dept of Interior - Bureau of Reclamation	Paul Fujitani- US Dept of Interior - Bureau of Reclamation	Spring Creek water quality rpts (12/30/96 - 2/13/97), w/ TLs to R Sugarek fr J Martin	2088	1652-04107	036	0907
97/02/13	Chris Adamo- C H 2 M Hill	Doug Yates- EIMCO Process Equipment Co	Ltr: Receipt of thickener drive oil seal replacement, HDS treatment plant, w/attchs	2089	1652-04200	036	0934

97/02/14	Frank Peter-Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests that CH2M Hill send rpts with electronic version	2092	1652-95325	036	0948
97/02/14	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests CH2M Hill send analytical rpts with electronic version, w/attch	2093	1652-95377	036	0951
97/02/14	Thomas Bloomfield- Environmental Protection Agency - Region 9	Matthew Powell- Wilke, Fleury, Hoffelt, Gould & Birney	Ltr: Confidential business information contained in Morrison Knudsen documents	2091	1652-95324	036	0944
97/02/17	Chris Adamo- C H 2 M Hill	Joseph Coglaiti- Stauffer Management Co	Memo: Thickener drive oil seal replacement required, HDS treatment plant, w/o attch	2094	1652-95407	036	0954
97/02/18	Joseph Coglaiti- Stauffer Management Co	James Pedri- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Transmits analytical results of IM AMD neutralization treatment system for 1/97 w/encl	2095	1652-95378	036	0956
97/02/20	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	Ltr: Requests samples of 3 process flow streams fr aerated simple mix/high density sludge (ASM/HDS) treatment plant	2096	1652-95379	036	0961
97/02/21	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v75	2098	1652-04146	036	1270
97/02/21	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v76	2097	1652-04145	036	0963
97/02/21	Mary MaloneyHuss- Stauffer Management Co	Michael Hingerty- Environmental Protection Agency - Region 9	Ltr: Supplemental rpts v75 & 76 submitted on behalf of Rhone- Poulenc for inclusion in administrative record	2099	1652-95380	036	1430
97/02/24	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Knowledge re Stauffer (SMC) sludge haul test	2102	1652-95382	036	1456
97/02/24	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Transmits videotape & photos of sludge haulage test conducted by Stauffer (SMC) 2/24/97, w/o videotape, w/photos	2100	1652-04195	036	1433



97/02/24	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Description of Stuffer (SMC) sludge dump test	2101	1652-95381	036	1454
97/02/27	Robert Claire- Morrison- Knudsen Corp	Lloyd Freese- Morrison- Knudsen Corp	Memo: Proposal for emergency repairs to Slickrock Creek water diversion, w/TLS to R Sugarek fr L Erickson	2106	1652-95386	036	1472
97/02/27	Robert Claire- Morrison- Knudsen Corp	Lloyd Freese- Morrison- Knudsen Corp	Memo: Proposal for emergency repairs to Slickrock Creek water diversion, w/TL to R Sugarek fr L Erickson	2105	1652-95385	036	1468
97/02/27	Kent Kitchingman- Environmental Protection Agency - Region 9	Richard Torrito- Rhone-Poulenc Basic Chemicals Co	Ltr: Notice that Stauffer (SMC) sludge haul test violates UAO 94- 12, w/encl	2104	1652-04171	036	1460
97/02/28	- Sacramento County	-	Prelim scope & budget for phase 3 of Sacramento River Toxic Pollutant Control Program (SRTPCP), for 3/10/97 mtg, w/ calendar of events & TL fr R Shanks	2107	1652-04186	036	1477
97/02/28	- C H 2 M Hill	-	Preliminary figures for upcoming Keswick precipitation rpt, w/TL to K Rae fr J Spitzley	2108	1652-04188	036	1489
97/03/03	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on 2/27/97 ltr requesting approval for emergency repair of Slickrock Creek clean water diversion (faxed)	2109	1652-95387	036	1555
97/03/03	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on 2/27/97 ltr requesting approval for emergency repair of Slickrock Creek clean water diversion, w/TL to L Erickson, 3/11/97	2110	1652-95392	036	1557
97/03/03	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review comments on 2/27/97 ltr requesting approval for emergency repair of Slickrock Creek clean water diversion, w/TL to R Sugarek, 3/12/97	2111	1652-95393	036	1560

97/03/07	Jim Stefanoff- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Response action for thickener center column pumpage failure, w/TL to C Wetmore fr J Spitzley 3/12/97	2113	1652-95408	036	1566
97/03/12	John Spitzley- C H 2 M Hill	Joseph Coglaiti- Stauffer Management Co	ROC: Operations of filtrate sump	2114	1652-95394	036	1570
97/03/13	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Flow, concentration & load data	2116	1652-95442	036	1580
97/03/13	-	-	Upper Spring Creek data for dissolved & total metal samples collected 9/26/83- 12/15/93 & 12/12/95- 12/30/96, w/TL to R Sugarek fr A Cramer	2115	1652-04254	036	1572
97/03/14	James Hawley- Basic Laboratory	Paul Ekoniak- Zeneca Inc	Basic Lab rpt sheets for 2/97- 3/97, w/TL to J Spitzley fr P Ekoniak 4/8/97	2117	1652-04178	036	1582
97/03/21	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v78	2118	1652-04144	036	1619
97/03/21	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v77	2119	1652-04147	036	1787
97/03/21	Mary MaloneyHuss- Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	Ltr: Water management RI/ FS supplemental rpts v77 submitted on behalf of Rhone- Poulenc for inclusion in administrative record	2120	1652-95395	036	2035
97/03/24	Ted Arman- Iron Mountain Mine, Inc	Mary MaloneyHuss- Stauffer Management Co	Ltr: Responds to 1/29/97 ltr re info known about toxic heavy metals & environ problems at site prior to T Arman ownership of property, w/o encls	2121	1652-95396	036	2038
97/03/25	Chris Adamo- C H 2 M Hill	Joseph Coglaiti- Stauffer Management Co	Memo: Verifies transfer of spare parts for HDS treatment plant, w/attach	2122	1652-95409	036	2042

97/03/26	Cynthia Wetmore-Environmental Protection Agency - Region 9	Joseph Coglaiti-Stauffer	Ltr: Whether site conditions warranted changing to single reactor operations of high density sludge (HDS) plant	2123	1652-95397	036	2047
97/03/26	Thomas Bloomfield-Environmental Protection Agency - Region 9	Mark Wideman-Wilke, Fleury, Hoffelt, Gould & Birney	Ltr: Responds to inquiry re supplement 8 to administrative record for Spring Creek Debris Dam OU & recent biological studies	2124	1652-95563	036	2049
97/03/31	Rick Sugarek-Environmental Protection Agency - Region 9	Alice Thomas, Resident- City of Redding	ROC: Exposure/death of miner related to re-opening of Lawson Tunnel	2127	1652-95444	036	2060
97/03/31	Lee Erickson-Zeneca Inc	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: Slope stability of Slickrock Creek clean water diversion	2126	1652-95399	036	2057
97/03/31	Lee Erickson-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Proposes hydraulic testing during week of 4/14/97 to evaluate how water enters into Richmond Mine workings, w/attchs	2125	1652-95398	036	2052
97/04/00	- C H 2 M Hill	- Environmental Protection Agency	Drawings: Construction of high density sludge (HDS) treatment plant, subcontract record documents	2128	1652-04197	036	2062
97/04/00	- C H 2 M Hill	- Environmental Protection Agency	Oversize drawings: Construction of high density sludge (HDS) treatment plant, subcontract record documents (mapcase)	2129	1652-04198	036	2135
97/04/00	- US Dept of Interior - Bureau of Reclamation	-	New Years Flood of 1997 - summary of operations of US Bureau of Reclamation Central Valley project during record flood in CA	2130	1652-04246	036	2140
97/04/03	Joseph Coglaiti-Stauffer Management Co	Jim Stefanoff- C H 2 M Hill	Memo: Transmits section 2.1.4 of HDS O&M manual & recommends scale manufacturer, w/attch	2132	1652-95411	036	2170
97/04/03	Joseph Coglaiti-Stauffer Management Co	Cynthia Wetmore-Environmental Protection Agency - Region 9	Ltr: In response to 3/26/97 ltr, undertaking switch to single reactor operation of HDS plant, w/TL to C Wetmore fr L Erickson	2131	1652-95410	036	2167

97/04/08	Don Mandel- CA Dept of Health Services - Toxic Substances Control Div	Rick Sugarek- Environmental Protection Agency - Region 9	Multi-site cooperative agreement (MSCA) site workplan, fiscal year 1997-1998, w/TL to R Sugarek fr Don Mandel	2133	1652-95610	036	2176
97/04/10	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	Ltr: Approval of 2 requests for samples of acid mine drainage (AMD) for testing purposes, w/ encls & TL to T Bloomfield fr M MaloneyHuss	2134	1652-95400	036	2179
97/04/11	Ted Arman- Iron Mountain Mine, Inc	Lee Erickson-Zeneca Inc	Ltr: Responds to fax re sample collection release & indemnity, choosing not to authorize further taking of acid mine drainage (AMD)/ water rights	2135	1652-95401	036	2184
97/04/14	Mary MaloneyHuss-Stauffer Management Co	Valerie Connor- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Response to 3/7/97 ltr requesting Sacramento River watershed water quality data, w/attch & fax TL to L Erickson fr M MaloneyHuss	2137	1652-04177	036	2202
97/04/14	Mary MaloneyHuss-Stauffer Management Co	Valerie Connor- CA Regional Water Quality Control Board - Central Valley Region	Ltr: Response to 3/7/97 ltr requesting Sacramento River watershed water quality data, w/attch	2136	1652-04176	036	2186
97/04/16	Mary MaloneyHuss-Stauffer Management Co	David Glazer- US Dept of Justice	Ltr: Rhone-Poulenc (RP) has rereviewed its files to determine if any additional docs relevant to successor liability theories (US vs IMMI)	2138	1652-95402	036	2219
97/04/17	Lee Bunnell, Resident- City of Redding	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests information on status of proposed action at site, w/copy of envelope (Privileged - FOIA ex 6)	2139	1652-04300	036	2222
97/04/17	Resident- City of Redding	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests information on status of proposed action at site, w/copy of envelope (redacted FOIA ex 3)	2140	1652-95613	036	2224
97/04/18	- Environmental Protection Agency - Region 9	Rick Sugarek- Environmental Protection Agency - Region 9	Quarterly (Oct-Dec 1996) review of CA Dept of Health Services - Toxic Substances Control multi-site cooperative agreement, w/TL fr R Loftin	2141	1652-04292	036	2227

97/04/18	Rick Sugarek- Environmental Protection Agency - Region 9	Will Stringfellow- Lawrence Berkeley Laboratory	ROC: Resource recovery pilot test	2142	1652-95403	036	2236
97/04/21	Resident- City of Redding	Joe Cogliati- Stauffer Management Co	Ltr: Requests sample fr site for chemistry project (redacted, FOIA ex 3), w/TL to R Sugarek fr L Erickson 4/25/97	2145	1652-95614	036	2242
97/04/21	Jennifer Ballard, Resident- City of Redding	Joe Cogliati- Stauffer Management Co	Ltr: Requests sample fr site for chemistry project, w/TL to R Sugarek fr L Erickson 4/25/97 (Privileged - FOIA ex 6)	2143	1652-04299	036	2238
97/04/21	Mary MaloneyHuss- Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	TL: EPA water management RI/ FS, supplemental rpts volume 78 sent to R Sugarek on behalf of Rhone- Poulenc for inclusion in AR	2144	1652-95445	036	2240
97/04/23	- Shepherd Miller, Inc	-	Technical memo: Response to plaintiff & counterclaim defendant USA memo of points & authorities submitted in opposition to Rhone-Poulenc motion	2147	1652-04349	036	2260
97/04/23	- Shepherd Miller, Inc	-	Technical memo: Responds to conclusions reached by CH2M Hill re concentrations of metals in Catfish Pond, w/ attchs	2149	1652-04351	036	2295
97/04/23	- Shepherd Miller, Inc	-	Technical memo: Responses to K Nordstrom & C Alpers comments, attachment 1 to declaration of R Sugarek 3/13/97	2148	1652-04350	036	2274
97/04/23	- Shepherd Miller, Inc	-	Technical memo: Response to declaration of R Sugarek in support of plaintiff & counterclaim defendant USA opposition to Rhone-Poulenc motion, w/figure	2146	1652-04348	036	2245
97/04/24	James Pompy- CA Dept of Conservation - Office of Mine Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests access to talus slope at Slickrock Creek for ground roughness surveys & list of contact people	2151	1652-95448	036	2322

97/04/24	Stephen Hansen, S.R. - Stuffer Management Co	- Stauffer Management Co	Response to affidavit of R Sugrek 3/13/97 filed in opposition of Rhone-Poulenc motion with respect to naturally occurring substances	2150	1652-04352	036	2307
97/04/25	John Spitzley- C H 2 M Hill	Thomas Bloomfield- Environmental Protection Agency - Region 9	Memo: Bibliography of pre-1968 publications on acid mine drainage	2152	1652-95449	036	2324
97/05/01	- Basic Laboratory	Paul Ekoniak- Stauffer Management Co	Basic Laboratory Rpt for Boulder Creek study & metal loading samples collected 3/14/97-4/15/97, w/TL to J Spitzley fr P Ekoniak	2153	1652-04248	036	2326
97/05/05	Bill Walker- Shasta County - Dept of Resource Management	Ted Arman- Iron Mountain Mine, Inc	Ltr: Determination of whether IMM activity subject to CA Surface Mining & Reclamation Act (SMARA)	2154	1652-95443	036	2379
97/05/06	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Teleconference with USGS & CH2M Hill re naturally occurring releases (Privileged - FOIA ex 5)	2155	1652-04334	036	2382
97/05/06	Rick Sugarek- Environmental Protection Agency - Region 9	-	Technical/ settlement mtg agenda & notes, w/copper & zinc concentrations & Boulder Creek remedial alternatives study (Privileged - FOIA ex 5)	2156	1652-04371	036	2384
97/05/07	Thomas Bloomfield- Environmental Protection Agency - Region 9	Margaret Kimball- Stanford Univ	Ltr: Confirms 4/30/97 telephone conversation re reproduction & use of Stauffer Chem documents, w/TL headers	2158	1652-95564	036	2389
97/05/07	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Computer disc: Excel 5 spreadsheet of onsite and offsite water quality data, 11/26/96-2/27/97 (3.5in disc), w/TL to R Suagrek fr J Spitzley	2157	1652-04302	036	2386
97/05/15	Rick Sugarek- Environmental Protection Agency - Region 9	Resident- City of Redding	Ltr: Discusses status of proposed plan (redacted, FOIA ex 3)	2163	1652-95612	036	2685
97/05/15	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Bunnell, Resident- City of Redding	Ltr: Discusses status of proposed plan (Privileged - FOIA ex 6)	2160	1652-04301	036	2396

97/05/15	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v79, w/ltr to T Bloomfield fr M MaloneyHuss	2161	1652-04319	036	2398
97/05/15	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Proposal for technical mtg to discuss site maintenance, data acquisition & interpretation	2162	1652-95355	036	2681
97/05/16	John Spitzley- C H 2 M Hill	Resident- City of San Francisco	TL: Public comment water management FS addendum (redacted, FOIA ex 3)	2165	1652-95615	036	2690
97/05/16	John Spitzley- C H 2 M Hill	Jane Kay, Resident- City of San Francisco	TL: Public comment water management FS addendum (Privileged - FOIA ex 6)	2164	1652-04298	036	2688
97/05/19	James Hawley- Basic Laboratory	Paul Ekoniak- Stauffer Management Co	Basic Laboratory Rpt for Boulder Creek study & metal loading samples collected 4/16/97-4/30/97 & 12/30/96 (amended), w/ TL to J Spitzley fr P Ekoniak	2166	1652-04249	036	2692
97/05/19	Cynthia Wetmore- Environmental Protection Agency - Region 9	Lee Erickson- Zeneca Inc	ROC: Phone messages re changes in sludge monitoring operations & fix- it proposal	2167	1652-95450	036	2726
97/05/23	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	Ltr: EPA elects to not change amendment to order #94-12 re reporting requirements per Rhone- Poulenc comments, w/ responses	2169	1652-04255	036	2730
97/05/23	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests mechanical investigation of AMD reactor system due to baffle & mountings failure, w/memo to F Peter fr T Haldas (faxed)	2171	1652-95617	036	2760
97/05/23	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests mechanical investigation of acid mine drainage (AMD) reactor system due to baffle & mountings failure, w/memo to F Peter fr T Haldas	2170	1652-95601	036	2756

97/05/28	James Hawley- Basic Laboratory	Paul Ekoniak- Stauffer Management Co	Basic Laboratory Rpt for Boulder Creek study & metal loading samples collected 5/1/97- 5/15/97, w/TL to J Spitzley fr P Ekoniak	2173	1652-04256	037	0079
97/05/29	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	ROC: Call discusses high density sludge (HDS) reactor fix-it	2176	1652-95451	037	0129
97/05/29	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Call & follow up discusses sludge haul technical requirements	2175	1652-95447	037	0127
97/05/29	Rick Sugarek- Environmental Protection Agency - Region 9	Larry Well-	ROC: Conference call re engineering information for aerated simple mix (ASM) sludge haul	2177	1652-95452	037	0131
97/05/29	William Gibbons- US Dept of Interior - Bureau of Reclamation	-	Declaration of William Gibbons in the case of USA & CA vs IMMI, et al, w/ attchs	2174	1652-04257	037	0106
97/05/30	Paul Fujitani- US Dept of Interior - Bureau of Reclamation	-	Declaration of Paul Fujitani in the case of USA & CA vs IMMI, et al, w/attch	2178	1652-04258	037	0134
97/05/30	Lowell Ploss- US Dept of Interior - Bureau of Reclamation	-	Declaration of Lowell Ploss in the case of USA & CA vs IMMI, et al, w/attchs	2179	1652-04259	037	0156
97/05/30	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: RD for Finazzo property	2181	1652-95353	037	0340
97/05/30	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Response to Stauffer ltr of 5/23/97 re acid mine drainage (AMD) reactor systems investigation & modifications	2182	1652-95453	037	0342
97/05/30	Rhonda Bowers- US Dept of Agriculture - Forest Service	- US District Court - Eastern District of California	Declaration in matter of USA & CA v Iron Mountain Mines, Inc, et al re Golinsky Mine site	2183	1652-95454	037	0345
97/06/00	- Morrison- Knudsen Corp	- Stauffer Management Co	Brick Flat Pit (BFP) sludge sampling & analysis plan, w/ map of sampling locations & TL to R Sugarek fr L Erickson 6/16/97	2184	1652-04263	037	0351
97/06/00	- Morrison- Knudsen Corp	- Stauffer Management Co	Slope stability analysis for gully at Slickrock Creek diversion embankment, w/ TL to R Sugarek fr L Erickson 7/3/97	2185	1652-04266	037	0380
97/06/02	William Lyman- Shasta County - Dept of Public Works	Ron Matheny- Zeneca Inc	Ltr: Repairs to bridge on Iron Mountain Rd at Flat Creek	2186	1652-95361	037	0449



97/06/05	Keith Takata- Environmental Protection Agency - Region 9	- Iron Mountain Mine, Inc	2nd amendment to order #94-12 (draft) w/TLS to M Padilla fr T Bloomfield (Privileged - FOIA ex 5)	2187	1652-04261	037	0452
97/06/05	Keith Takata- Environmental Protection Agency - Region 9	- Iron Mountain Mine, Inc	2nd amendment to order #94-12 (draft) w/TLS to M Padilla fr T Bloomfield (Privileged - FOIA ex 5)	2187	1652-04261	037	0452
97/06/11	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Discusses Stauffer performance of non-warranty modifications & repairs to acid mine drainage (AMD) treatment system	2189	1652-95456	037	0456
97/06/11	James Pompy- CA Dept of Conservation - Office of Mine Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests access to talus slope at Slickrock Creek for ground roughness surveys & list of contact people	2188	1652-95455	037	0454
97/06/11	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Discusses Stauffer performance of non-warranty modifications & repairs to acid mine drainage (AMD) treatment system (faxed)	2191	1652-95619	037	0460
97/06/11	James Pompy- CA Dept of Conservation - Office of Mine Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests access to talus slope at Slickrock Creek for ground roughness surveys & list of contact people (faxed)	2190	1652-95618	037	0458
97/06/13	Jalayne Mccune- Environmental Protection Agency - Region 9	-	Fact sheet: Iron Mountain Mine	2192	1652-95457	037	0462
97/06/16	Chris Adamo- C H 2 M Hill	Joseph Coglaiti- Stauffer Management Co	TL: High density sludge (HDS) treatment plant subcontract #118 site coordination record documents	2193	1652-95404	037	0466
97/06/17	John Kemmerer- Environmental Protection Agency - Region 9	James Tjosvold- CA Dept of Health Services - Toxic Substances Control Div	Ltr: Plans for 2nd amendment to order #94-12 re high density sludge (HDS) treatment	2196	1652-95459	037	0496
97/06/19	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Possible dates for technical review mtg	2198	1652-95460	037	0504
97/06/23	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	ROC: Conference call to discuss 1997 storm fix- its	2199	1652-95352	037	0506

97/06/25	Rick Sugarek- Environmental Protection Agency - Region 9	-	Memo: Conference call between EPA, CH2M Hill & Stauffer (SMC) re HDS modifications to treatment plant	2200	1652-95623	037	0508
97/06/26	Tom Haldas- Zeneca Inc	-	Acid mine drainage (AMD) reactor baffle design calculations, w/ TL to R Sugarek fr F Peter 7/3/97	2201	1652-95465	037	0511
97/06/27	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Additional comments on Brick Flat Pit (BFP) sludge sampling & analysis plan (SAP) prepared by Morrison- Knudsen Corp	2203	1652-95462	037	0521
97/06/27	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Comments on Brick Flat Pit (BFP) sludge sampling & analysis plan (SAP) prepared by Morrison- Knudsen Corp, w/TL to L Erickson fr J Spitzley	2202	1652-95461	037	0517
97/06/30	- EIMCO	- C H 2 M Hill	High density sludge treatment plant operation & maintenance manual, v1 of 5 (instructions), w/ TL to J Coglaiti fr C Adamo	2204	1652-04164	037	0523
97/06/30	- EIMCO	- C H 2 M Hill	High density sludge treatment plant operation & maintenance manual, v2 of 5 (parts lists & drawings)	2205	1652-04165	037	0525
97/06/30	- EIMCO	- C H 2 M Hill	High density sludge treatment plant operation & maintenance manual, v3 of 5 (drawings & accessory equipment instructions)	2206	1652-04166	037	0527
97/06/30	- EIMCO	- C H 2 M Hill	High density sludge treatment plant operation & maintenance manual, v5 of 5 (accessory equipment instructions)	2208	1652-04168	037	0531
97/06/30	- EIMCO	- C H 2 M Hill	High density sludge treatment plant operation & maintenance manual, v4 of 5 (accessory equipment instructions)	2207	1652-04167	037	0529
97/06/30	- Environmental Protection Agency - Region 9	-	Draft FY 97 MSCA workplan (7/1/96 - 6/30/97)	1662	1652-95026	32	0468

97/07/00	- Morrison-Knudsen Corp	- Stauffer Management Co	High density sludge (HDS) workplan, w/ Ltr to R Sugarek fr L Erickson 7/3/97	2209	1652-04268	037	0533
97/07/01	- Mining Remedial Recovery Co, Inc	-	Water quality data for samples taken Fall 1996-Spring 1997 for W Squaw Creek, Little Backbone Creek & Spring Creek, Shasta County, CA, w/ maps	2211	1652-04297	037	0580
97/07/03	Keith Takata-Environmental Protection Agency - Region 9	Brian Spiller-Stauffer Management Co	Ltr: Compliance with administrative orders (AO) #94-12 & #91-7, as amended	2212	1652-95463	037	0609
97/07/09	Rick Sugarek-Environmental Protection Agency - Region 9	Frank Peter-Stauffer Management Co	Ltr: Design criteria for IMM aerated simple mix (ASM) treatment plant per administrative orders #93-1 & #94-12	2214	1652-95469	037	0614
97/07/09	Anne Connell-Morrison-Knudsen Corp	John Spitzley- CH 2 M Hill	TL: Data disk for "Slickrock diversion embankment at gully washout, slope stability analysis" dated 6/18/97	2213	1652-95466	037	0612
97/07/09	Rick Sugarek-Environmental Protection Agency - Region 9	-	ROC: Teleconference on 7/23/97 mtg agenda development	2215	1652-95624	037	0617
97/07/10	L Mannion-Stauffer Chemical Co	-	Site historical records - L Mannion, 5/2/58-1/28/86, w/ CH2M Hill compendium	2221	1652-04314	037	2299
97/07/10	Rick Sugarek-Environmental Protection Agency - Region 9	-	ROC: Conference call re high density sludge (HDS) workplan for test haul, w/ list of participants	2224	1652-95470	037	2546
97/07/10	John Basham-Mountain Copper Co, Ltd	-	Site historical records - J Basham, 2/21/10-4/14/50, w/ CH2M Hill compendium	2218	1652-04311	037	1236
97/07/10	L Kett-Mountain Copper Co, Ltd	-	Site historical records - L Kett, 9/24/34-8/3/61, w/CH2M Hill compendium	2220	1652-04313	037	1915
97/07/10	C McClung-Mountain Copper Co, Ltd	-	Site historical records - C McClung, 2/19/43-3/5/71, w/CH2M Hill compendium	2216	1652-04309	037	0621
97/07/10	Joe Huseby-Mountain Copper Co, Ltd	-	Site historical records - J Huseby, 4/23/32-8/5/96, w/CH2M Hill compendium	2217	1652-04310	037	0808

97/07/10	Albert Burch-Mountain OpenPit	-	Site historical records - A dated 7/26/94 6/9/43, w/CH2M Hill compendium	2219	1652-04312	037	1777
97/07/10	Lee Erickson-Zeneca Inc	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Confirmation of conference call re test sludge haul, w/contour map of test pad for high density sludge (HDS) workplan (fig 2)	2222	1652-95467	037	2541
97/07/13	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Summarizes 7/10/97 conference call re Brick Flat Pit (BFP) high density sludge (HDS) workplan for test haul, w/ attch	2225	1652-95471	037	2551
97/07/14	Chris Adamo-	John Spitzley- C H 2 M Hill	Operation & maintenance (O&M) construction & 1997 storm repairs scheduled for 1997 season, w/ handwritten notes to J Spitzley fr C Adamo	2229	1652-95611	037	2563
97/07/14	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	Ltr: Proposed sampling prior to design of high density sludge (HDS) field tests & construction of Brick Flat Pit sand road per 7/10/97 call, w/ attch	2227	1652-95472	037	2557
97/07/14	- US Dept of Interior - Fish & Wildlife Service	-	Draft agenda & participant phone #s for 7/21/97 trustees conference call, w/fax TL (Privileged - FOIA ex 5)	2226	1652-04335	037	2555
97/07/14	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mark Wideman- Wilke, Fleury, Hoffelt, Gould & Birney	Ltr: Transmits requested electronic copy of AR & requests electronic versions of Rhone-Poulenc privilege logs, w/ o encl	2228	1652-95474	037	2561
97/07/15	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: EPA approves 2, disapproves 1 & after further review will respond to other proposed SMC storm repair projects & requests additional information	2231	1652-95473	037	2574
97/07/15	Jim Stefanoff- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Slickrock Creek order information	2230	1652-04367	037	2567

97/07/16	Ted Arman- Iron Mountain Agency - Region 9	Rick Sugarek- Environmental Agency - Region 9	ROC: Response to EPA 7/3/97 ltr re administrative orders (AO) #94-12 & #91-7 requiring site operation & maintenance (O&M)	2234	1652-95475	037	2595
97/07/16	- Environmental Protection Agency - Region 9	Rick Sugarek- Environmental Protection Agency - Region 9	Quarterly (Jan-Mar 1997) review of CA Dept of Health Services - Toxic Substances Control multi-site cooperative agreement, w/TL fr R Loftin	2233	1652-04293	037	2587
97/07/16	Rick Sugarek- Environmental Protection Agency - Region 9	-	ROC: Conference call re Brick Flat Pit (BFP) liner & riser pipes repairs & sludge hauls, includes list of participants	2232	1652-04269	037	2580
97/07/17	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Response to EPA 7/3/97 ltr re order 94-12 as amended & order 91-7 as amended	2235	1652-95554	037	2597
97/07/17	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Response to EPA 7/3/97 ltr re order 94-12 as amended & order 91-7 as amended, w/ marginalia	2236	1652-95555	037	2600
97/07/17	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Response to EPA 7/3/97 ltr re order 94-12 as amended & order 91-7 as amended, w/TL fr A DeCristoforo 7/18/97	2237	1652-95556	037	2603
97/07/17	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Response to EPA 7/3/97 ltr re order 94-12 as amended & order 91-7 as amended, w/TL to K Takata fr B Spiller	2238	1652-95557	037	2607
97/07/22	Gerald Vogt- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Mtg scheduled to discuss CH2MHILL RI activities on sediments at Keswick & Spring Creek reservoirs	2240	1652-95476	038	0001
97/07/22	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Evaluation of acid mine drainage (AMD) volume & associated volumes of high density sludge (HDS) & aerated simple mix (ASM) sludge, w/ attch	2242	1652-95478	038	0006

97/07/22	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals	Supplemental rpt as pt of Rhone-Poulenc response to water management FS, for public record, v80, w/ltr to T Bloomfield fr M MaloneyHuss	2239	1652-04323	037	2611
97/07/22	Keith Takata- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Administrative orders #94-12 & #91-7, as amended re continued site O&M independent of other issues	2241	1652-95477	038	0003
97/07/23	Rick Sugarek- Environmental Protection Agency - Region 9	-	EPA/Stauffer (SMC) technical review mtg notes, agenda & handouts	2243	1652-04372	038	0011
97/07/25	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Brick Flat Pit (BFP) liner failure & inspection, w/ configuration of slope lining system	2247	1652-95479	038	0111
97/07/25	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Photos: 25 4X6 in color, site visit for Brick Flat Pit (BFP) liner failure, w/TL to R Sugarek fr J Spitzley	2244	1652-04252	038	0078
97/07/25	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: SMC unable to commit to continuous operation of high density sludge (HDS) treatment plant due to plant design & operations concerns, w/list & TL	2246	1652-04331	038	0102
97/07/25	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: SMC unable to commit to continuous operation of high density sludge (HDS) treatment plant due to plant design & operations concerns, w/list	2245	1652-04270	038	0094
97/07/26	Kirk Nordstrom- US Dept of Interior - Geological Survey	Charles Alpers- US Dept of Interior - Geological Survey	Chapter: Geochemistry of acid mine water (Reviews in Economic Geology, v7A, 1- 28, Society of Economic Geologists), w/ TL fr K Nordstrom	2248	1652-04271	038	0114
97/07/28	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Voice mail re plan needed for aerated simple mix (ASM) sludge haul to Brick Flat Pit (BFP)	2250	1652-95480	038	0148
97/07/28	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Stauffer declines to replace Flat Creek bridge	2249	1652-95340	038	0145

97/07/28	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Brick Flat Pit (BFP) liner failure reinspection, w/ configuration of slope lining system	2251	1652-95481	038	0150
97/07/29	William Lyman- Shasta County	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Iron Mountain Rd bridge replacement at Flat Creek	2254	1652-95337	038	0172
97/07/30	Jim Schneider- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Review of SMC proposed "1997 civil work" & slope stability analysis - Upper Slickrock clean water diversion embankment	2257	1652-04273	038	0203
97/07/30	Frank Michny- US Dept of Interior - Bureau of Reclamation	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: EPA action to ensure continued use of Flat Creek bridge	2259	1652-95553	038	0218
97/07/30	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Call discusses aerated simple mix (ASM) sludges proposed for Brick Flat Pit (BFP), inspection of site & liner & 1997 storm repairs	2258	1652-95482	038	0215
97/07/30	John Spitzley- C H 2 M Hill	Brad Hubbard- US Army Corps of Engineers	ROC: Call discusses Army Corps of Engineers permits for Flat Creek Bridge replacement, w/ Federal Register pp & TL to R Sugarek fr J Spitzley 8/1/97	2256	1652-04272	038	0194
97/07/30	James Hawley- Basic Laboratory	Paul Ekoniak- Zeneca Inc	Basic Lab rpt sheets for 6/97- 7/97, w/TL to J Spitzley fr P Ekoniak 8/5/97	2255	1652-04235	038	0174
97/07/31	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Call discusses high density sludge (HDS) test haul & 1997 storm repairs	2262	1652-95484	038	0317
97/07/31	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Site visit scheduling for Upper Spring Creek diversion pipeline inspection & transmits responses to EPA comments re 1997 storm repairs	2261	1652-04275	038	0242
97/07/31	-	-	Info for SOW - phase 1 preliminary engineering schedule & bridge construction excerpt, w/TL header to R Sugarek fr B Morrison	2260	1652-04274	038	0221

97/08/00	- Environmental Protection Agency - Region 9	-	Site management	2268	1652-95486	038	0783
97/08/00	- C H 2 M Hill	-	Photos: 148 4x6 & 130 5x5 in color, site visit	2265	1652-04316	038	0443
97/08/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Draft addenda to field sampling plan (FSP), quality assurance project plan (QAPP) & site safety plan for RI sediment study sampling	2263	1652-04276	038	0319
97/08/00	Cynthia Wetmore- Environmental Protection Agency - Region 9	Jeannie Holler- Environmental Protection Agency - Region 9	Memo: Time critical nature of Flat Creek Bridge repair & CH2MHILL involvement in project	2267	1652-95485	038	0780
97/08/00	- Morrison-Knudsen Corp	- Stauffer Management Co	Workplan for HDS (high density sludge) test haul (revised), w/TL to R Sugarek fr L Erickson 8/29/97	2264	1652-04285	038	0394
97/08/01	Brad Shipley- Environmental Protection Agency - Region 9	Keith Takata- Environmental Protection Agency - Region 9	Action memo: Request for removal action for replacement of Flat Creek bridge on IM Rd, w/App A-F	2270	1652-04161	038	0797
97/08/01	John Kemmerer- Environmental Protection Agency - Region 9	Joe Finazzo- City of Redding	Ltr: Request for access to property under CERCLA section 104(e)(3)(D), w/ atch	2272	1652-95547	038	0979
97/08/04	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: In response to 7/28/97 ltr, EPA has decided to construct clear-span Flat Creek bridge as removal action per orders 91-7 & 94-12, w/TL	2274	1652-95552	038	0992
97/08/04	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mark Wideman- Wilke, Fleury, Hoffelt, Gould & Birney	Ltr: Follows up on 2/14/97 ltr re confidential business info contained in Morrison Knudsen documents, w/ encl & fax TL to M Wideman fr T Bloomfield	2273	1652-04344	038	0985
97/08/05	- Environmental Protection Agency	-	Water quality standards, establishment of numeric criteria for priority toxic pollutants for CA, proposed rule, 40 CFR pt 131 (62 FR 42159)	2276	1652-04356	038	0997
97/08/05	Thomas Bloomfield- Environmental Protection Agency - Region 9	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Summarizes 8/5/97 telephone discussion with M MaloneyHuss re RAS	2275	1652-04328	038	0995



97/08/06	Frank Peter-Stauffer Stauff Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Requests approval to replace baffles in AMD reactors	2279	1652-95549	038	1140
97/08/06	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v81, w/ ltr to T Bloomfield fr M MaloneyHuss	2277	1652-04324	038	1048
97/08/06	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Confirms discussion re replacement of reactor system baffles	2278	1652-95548	038	1137
97/08/08	Mary MaloneyHuss- Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	Ltr: Confirms telephone calls re further action at Slickrock Creek, including point source treatment	2284	1652-95551	038	1168
97/08/08	Mary MaloneyHuss- Stauffer Management Co	Thomas Bloomfield- Environmental Protection Agency - Region 9	Ltr: Confirms telephone calls re further action at Slickrock Creek, including point source treatment, w/TL fr M MaloneyHuss	2283	1652-95550	038	1163
97/08/08	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Requests response to high density sludge (HDS) plant vibration issues prior to operation commitment fr SMC, w/attch & TL	2280	1652-04280	038	1142
97/08/08	Frank Peter- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: High density sludge (HDS) treatment plant alterations & failure, w/o attchs	2282	1652-95489	038	1158
97/08/08	Thomas Bloomfield- Environmental Protection Agency - Region 9	-	Memo: Transcript of voicemail message fr J Finazzo in response to request for site access	2285	1652-95584	038	1172
97/08/11	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Voice mail re private property owner requests compensation for unusable well & bank erosion protection	2286	1652-95487	038	1174
97/08/11	Keith Takata- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Response to SMC 8/8/97 ltr re liability for high density sludge (HDS) treatment plant & structural steel platform repairs	2287	1652-95490	038	1176

97/08/11	Keith Takata- Environmental Protection Agency - Region 9	Brian Spiller- Stauffer Management Co	Ltr: Response to Stauffer 8/8/97 w/ the ability to high density sludge (HDS) treatment plant & steel platform repairs (concurrency copy)	2288	1652-95491	038	1180
97/08/12	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	Ltr: Confirms pending review of Stauffer high density sludge (HDS) test haul draft workplan	2290	1652-95492	038	1197
97/08/12	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Itinerary & list of participants for site visit, w/ maps & color photos of site	2289	1652-04278	038	1184
97/08/12	Joe Finazzo-	Rick Sugarek- Environmental Protection Agency - Region 9	ROC: Call discusses access to Finazzo property for Flat Creek Bridge replacement & proposed property improvements	2291	1652-95511	038	1199
97/08/13	Charles Alpers- US Dept of Interior - Geological Survey	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Paleomagnetic analysis & radiometric dating of gossan samples, w/attch	2294	1652-04336	038	1211
97/08/13	Daniel Welsh- US Dept of Interior - Fish & Wildlife Service	-	Memo: Comments on CALFED water quality component rpt, w/TL to L Sullivan fr D Welsh 8/21/97	2296	1652-95567	038	1236
97/08/13	Ted Arman- Iron Mountain Mine, Inc	-	Notice of statements re Rhone-Poulenc memo of points & authorities in reply to US "CVP opposition" & in opposition to US "CVP Golinsky cross-motion"	2293	1652-04279	038	1203
97/08/13	- Environmental Protection Agency - Region 9	-	Photos: 39 4x6 in color, site tour for Felicia Marcus & Keith Takata	2295	1652-04341	038	1214
97/08/14	Brian Spiller- Stauffer Management Co	Keith Takata- Environmental Protection Agency - Region 9	Ltr: Stauffer declines to repair structural steel platform & agrees to extend plant operation contingent on resolution of other issues, w/ TL	2298	1652-95495	038	1300
97/08/14	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v82, w/ ltr to T Bloomfield fr M MaloneyHuss	2297	1652-04325	038	1238

97/08/15	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield-Environmental Protection Agency - Region 9	Ltr: Concerns re implementing storm damage repairs	2308	1652-95588	038	1375
97/08/15	Malcolm Watts-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: High density sludge (HDS) plant 14-day performance test rpt & HDS test haul, w/ proposed emergency failure simulations & TL	2309	1652-95620	038	1378
97/08/15	Frank Peter-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Repair of reactor system baffles & administrative order (AO) compliance	2303	1652-95498	038	1358
97/08/15	John Spitzley- C H 2 M Hill	Rick Sugarek-Environmental Protection Agency - Region 9	Memo: Outline for high density sludge (HDS) test haul & Brick Flat Pit (BFP) liner & filtrate riser pipes repairs	2302	1652-95497	038	1353
97/08/15	Lee Erickson-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: Voice mail re Brick Flat Pit (BFP) liner repairs & high density sludge (HDS) test haul workplan revision & approval	2301	1652-95496	038	1351
97/08/15	Malcolm Watts-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: High density sludge (HDS) plant 14-day performance test rpt & HDS test haul, w/ proposed emergency failure simulations & TL	2304	1652-95499	038	1360
97/08/15	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield-Environmental Protection Agency - Region 9	Ltr: Discusses EPA approval of proposed 1997 storm repairs & completion timetable, w/TL	2305	1652-95500	038	1364
97/08/15	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield-Environmental Protection Agency - Region 9	Ltr: Response to 8/4/97 ltr re Flat Creek Bridge replacement per orders #91-7 & #94-12, w/TL	2306	1652-95501	038	1368
97/08/15	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield-Environmental Protection Agency - Region 9	Ltr: Response to 8/4/97 ltr re Flat Creek Bridge replacement per orders #91-7 & #94-12	2307	1652-95586	038	1372
97/08/15	- Stauffer Management Co	- Environmental Protection Agency - Region 9	Slickrock Creek metal point source demonstration - outline of proposed work, w/attchs, TL to T Bloomfield fr M MaloneyHuss	2299	1652-04281	038	1304

97/08/15	- Stauffer Management Co	- Environmental Protection Agency - Region 9	Slickrock Creek metal point source demonstration - outline of proposed work, w/o attchs, w/ TL to T Bloomfield fr M MaloneyHuss & fax cover sheet	2300	1652-04400	038	1340
97/08/18	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Stauffer Management Co	Ltr: Approves aerated simple mix (ASM) sludge removal fr W end Brick Flat Pit (BFP) liner & transmits confirmation of test haul procedures, w/ attchs	2310	1652-04282	038	1383
97/08/18	-	-	Site historical records - ltrs & memos, 7/27/64-8/10/88, w/ CH2M Hill compendium	2313	1652-04307	038	1756
97/08/18	-	-	Site historical records - ltrs, memos & data, 1988-2/20/96, w/CH2M Hill compendium	2311	1652-04305	038	1390
97/08/18	- Stauffer Chemical Co	-	Site historical records - Stauffer mtg minutes & notices, 11/29/55-11/15/67, w/ CH2M Hill compendium	2312	1652-04306	038	1731
97/08/18	- National Oceanic & Atmospheric Administration - National Marine Fisheries Service	-	Endangered & threatened species, listing of several evolutionary significant units (ESUs) of West Coast steelhead, 50 CFR pts 222 & 227 (62 FR 43937)	2315	1652-04359	038	2024
97/08/18	- National Oceanic & Atmospheric Administration - National Marine Fisheries Service	-	Endangered & threatened species, notice of partial extension on final determination for ESUs of West Coast steelhead, 50 CFR pt 227 (62 FR 43974)	2314	1652-04357	038	2017
97/08/19	-	-	Site historical records - excerpts, articles & rpts, 2/35-7/90, w/ CH2M Hill compendium	2316	1652-04308	038	2067
97/08/19	Rick Sugarek-Environmental Protection Agency - Region 9	- File	Memo: SMC 8/15/97 letter re proposed 1997 storm repairs & circumstances & events	2317	1652-95502	039	0001

97/08/19	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mary MaloneyHuss- Environmental Management Co	Ltr: Responds to 8/15/97 ltr re storm repairs. Fax TL to M MaloneyHuss fr T Bloomfield	2321	1652-95589	039	0012
97/08/19	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Call discusses 1997 storm repairs site mtg schedule, Brick Flat Pit (BFP) liner sludge removal & high density sludge (HDS) test haul	2318	1652-95503	039	0006
97/08/19	Jim Stefanoff- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Minnesota Flats treatment plant modifications for treatment of Slickrock Creek retention reservoir acid mine drainage (AMD)	2322	1652-95596	039	0017
97/08/19	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Comments on Stauffer 8/15/97 ltr re proposed 1997 storm repairs & site mtg events	2319	1652-95504	039	0008
97/08/19	Lacrecia Taylor- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	TL: Site historical records	2320	1652-95546	039	0010
97/08/20	Ron Stillmunkes- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Design requirements for collection & conveyance of additional AMD flow fr Slickrock Creek retention reservoir to Minnesota Flats treatment plant	2335	1652-95597	039	0098
97/08/20	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Ltr: Notification of aerated simple mix (ASM) sludge removal from liner at W end of Brick Flat Pit (BFP) per requirements, w/ TL	2327	1652-95505	039	0075
97/08/20	Ken Iceman- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Proposed Slickrock Creek sediment basin & hematite pile retention structure(s)	2336	1652-95598	039	0101
97/08/20	Ken Iceman- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Slickrock Creek clean water diversions	2337	1652-95599	039	0106
97/08/20	Jim Stefanoff- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Slickrock Creek retention reservoir summary of facilities & modifications	2326	1652-04369	039	0066
97/08/20	Sara Monteith- C H 2 M Hill	Cynthia Wetmore- Environmental Protection Agency - Region 9	Memo: Exploration for thickener effluent tunnel to lower Spring Creek, w/attchs	2325	1652-04368	039	0045

97/08/20	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: High density sludge (HDS) re treatment plant repairs & operation, w/list of comments & memo to R Sugarek fr J Spitzley re HDS system testing	2324	1652-04284	039	0028
97/08/20	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Confirms site mtg & conference call for 1997 storm repairs & resubmittal of proposed repair designs per administrative orders (AO) #91-7 & #94-12	2330	1652-95508	039	0083
97/08/20	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Requests engineering information for 1997 storm repairs & field sampling plan (FSP) for Winter 1997-8	2331	1652-95509	039	0086
97/08/20	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: EPA will strengthen structural steel platform	2329	1652-95507	039	0080
97/08/20	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Confirms site mtg & conference call for 1997 storm repairs & discusses Brick Flat Pit (BFP) liner repairs & Finazzo property improvements	2328	1652-95506	039	0078
97/08/20	John Spitzley- C H 2 M Hill	Frank Peter- Stauffer Management Co	Memo: Transmits baffle system reconstruction designs & review memo re redesign & original failure & notification of construction contract & schedule	2323	1652-04283	039	0021
97/08/20	John Spitzley- C H 2 M Hill	Brad Hubbard- US Army Corps of Engineers	Memo: Replacement plans for Flat Creek Bridge, w/ general plan of bridge & engineers estimate & bid schedule	2332	1652-95510	039	0090
97/08/20	Thomas Bloomfield- Environmental Protection Agency - Region 9	Mark Wideman- Wilke, Fleury, Hoffelt, Gould & Birney	Ltr: Status of confidential business information claim by Morrison Knudsen re 104 (e) docs	2334	1652-95566	039	0096
97/08/20	Rick Sugarek- Environmental Protection Agency - Region 9	-	Percent calculations for high density sludge (HDS) effluent load during high wind exceedances, 3/11/97	2333	1652-95512	039	0094

97/08/21	- Morrison-Knudsen Corp	- Stauffer Management Co	Drawings: Drafts of w/TL on gully on Slickrock diversion (2), final slope restoration & section & detail, w/TL to J Spitzley fr A Connell 8/22/97	2338	1652-04251	039	0112
97/08/21	Thomas Bloomfield-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: EPA is reviewing docs pertaining to proposed workplan for Slickrock Creek	2339	1652-95513	039	0118
97/08/22	Charles Alpers-US Dept of Interior - Geological Survey	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: News fr UC Davis re paleomagnetic sampling, w/ attch	2340	1652-04337	039	0120
97/08/22	Rick Sugarek-Environmental Protection Agency - Region 9	-	ROC: Conference call re 1997 storm repairs per administrative orders (AO) #94-12 & #91-7, includes list of participants, w/memo fr F Peter	2341	1652-95514	039	0123
97/08/26	John Livingston-C H 2 M Hill	Cynthia Wetmore-Environmental Protection Agency - Region 9	Memo: Slickrock Creek retention reservoir & dam design for acid mine drainage (AMD) fr Slickrock Creek basin	2342	1652-04370	039	0128
97/08/29	Mary MaloneyHuss-Stauffer Management Co	Thomas Bloomfield-Environmental Protection Agency - Region 9	Ltr: Stauffer unable to provide answer re continued operation of high density sludge (HDS) treatment plant until following week, w/TL	2344	1652-95515	039	0338
97/08/29	- Stauffer Chemical Co	- Rhone-Poulenc Basic Chemicals Co	Supplemental rpts as pt of Rhone-Poulenc response to water management FS, for public record, v83, w/ ltr to T Bloomfield fr M MaloneyHuss	2343	1652-04326	039	0135
97/09/00	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Addenda to field sampling plan (FSP), quality assurance project plan (QAPP) & site safety plan for sediment RI contingency plan	2345	1652-04286	039	0342
97/09/03	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Photos: 15 4x6 in color, site visit for Brick Flat Pit (BFP) W Slope liner failure repair, w/ TL to R Sugarek fr J Spitzley 9/15/97	2346	1652-04253	039	0422

97/09/03	Rick Sugarek- Environmental Protection Agency - Region 9	Gail Louis- Environmental Protection Agency - Region 9	Memo: Comments on 8/7/97 part component rpt, w/attchs	2347	1652-04339	039	0433
97/09/04	Lee Erickson- Stauffer Management Co	Rick Sugarek- Environmental Protection Agency - Region 9	Revised package for 1997 construction items, w/TL to R Sugarek fr L Erickson	2348	1652-04265	039	0442
97/09/04	-	- Stauffer Management Co	Brick Flat Pit (BFP) sludge sampling & analysis results for samples collected 7/7/97- 7/8/97, w/TL to R Sugarek fr L Erickson	2349	1652-04287	039	0816
97/09/08	John Spitzley- C H 2 M Hill	Rick Sugarek- Environmental Protection Agency - Region 9	Memo: Comments on Morrison- Knudsen workplan for HDS (high density sludge) test haul, w/TL to L Erickson fr R Sugarek 9/9/97	2350	1652-95516	039	0859
97/09/09	Rick Sugarek- Environmental Protection Agency - Region 9	Jim Pedri- CA Regional Water Quality Control Board	ROC: Call discusses Sacramento River water quality exceedances for cadmium (Cd) standard	2353	1652-95519	039	0866
97/09/09	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Call discusses high density sludge (HDS) test haul plan, Finazzo property improvements & Brick Flat Pit (BFP) liner & riser pipes repairs	2351	1652-95517	039	0862
97/09/09	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Call discusses high density sludge (HDS) test haul plan & access to Finazzo property	2352	1652-95518	039	0864
97/09/09	Ralph Jennings- Redding Record Searchlight	-	Newsclip: Shasta Dam may be cool fish nursery	2354	1652-95568	039	0868
97/09/10	Rick Sugarek- Environmental Protection Agency - Region 9	Frank Peter- Stauffer Management Co	Ltr: Requests drawings & other documents re structural steel platform for the aerated simple mix (ASM) treatment plant	2355	1652-95520	039	0871
97/09/12	Ralph Jennings- Redding Record Searchlight	-	Article: Mine owner faces creek clean up bill (Redding Record Searchlight)	2359	1652-95603	039	0909



97/09/12	Maureen Marche - CA Water Resources Control Board	-	Notice of public hearings - proposed policy for implementation of toxics standards for inland surface waters, enclosed bays & estuaries of CA	2358	1652-95579	039	0902
97/09/15	Rick Sugarek - Environmental Protection Agency - Region 9	-	ROC: Conference call discusses DFG proposed toxicity & plan, w/ list of participants	2366	1652-95608	039	0948
97/09/15	John Spitzley - C H 2 M Hill	Wes Franks - Stauffer Management Co	ROC: Call discusses high density sludge (HDS) haul & Finazzo property improvements, w/ TL to R Sugarek fr J Spitzley	2365	1652-95607	039	0946
97/09/15	Rick Sugarek - Environmental Protection Agency - Region 9	Lee Erickson - Stauffer Management Co	ROC: Call discusses high density sludge (HDS) haul, pond sampling & 1997 storm repair review status	2367	1652-95609	039	0950
97/09/15	John Spitzley - C H 2 M Hill	Rick Sugarek - Environmental Protection Agency - Region 9	Memo: Review of Stauffer proposed 1997 storm repairs	2363	1652-95604	039	0938
97/09/15	John Spitzley - C H 2 M Hill	Rick Sugarek - Environmental Protection Agency - Region 9	Memo: Comments on Stauffer proposed 1997 storm repairs w/ additional comments	2361	1652-04289	039	0918
97/09/15	John Spitzley - C H 2 M Hill	Rick Sugarek - Environmental Protection Agency - Region 9	ROC: Voice mail re Finazzo property improvements & site walk	2364	1652-95605	039	0944
97/09/15	John Spitzley - C H 2 M Hill	Rick Sugarek - Environmental Protection Agency - Region 9	Memo: Draft comments on Stauffer proposed 1997 storm repairs, w/ TL to L Erickson fr J Spitzley	2360	1652-04288	039	0911
97/09/16	James Hawley - Basic Laboratory	Paul Ekoniak - Zeneca Inc	Basic Lab rpt sheets for 7/97-8/97, w/TL to J Spitzley fr P Ekoniak 9/18/97	2369	1652-04340	039	0965
97/09/16	- Morrison-Knudsen Corp	-	Effectiveness of vertical filtrate drains in Brick Flat Pit (BFP), draft, w/TL to R Sugarek fr L Erickson	2368	1652-04290	039	0952
97/09/17	Rick Sugarek - Environmental Protection Agency - Region 9	Lee Erickson - Stauffer Management Co	Ltr: EPA approves selected 1997 storm repairs, w/ comments on proposed repairs	2370	1652-04291	039	0979
97/09/18	Lee Erickson - Stauffer Management Co	Rick Sugarek - Environmental Protection Agency - Region 9	ROC: Voice mail re cost of Fiannzo property improvements	2371	1652-95606	039	0987

97/09/19	Joseph Coglaiti-Stauffer Environmental Protection Agency - Region 9	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Transmits analytical results of MIMD neutralization treatment system for 8/97 w/encl	2372	1652-04364	039	0989
97/09/19	Thomas Bloomfield-Environmental Protection Agency - Region 9	Mary MaloneyHuss-Stauffer Management Co	Ltr: Follows up on 8/21/97 ltr re request to meet with EPA to review proposed workplan for Slickrock Creek	2373	1652-95569	039	0993
97/09/23	Rick Sugarek-Environmental Protection Agency - Region 9	Mark Stopher-CA Dept of Fish & Game	ROC: CA candidate listing of spring run	2376	1652-95572	039	1004
97/09/23	Lee Erickson-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: 1997 storm repairs & J Finazzo property	2378	1652-95590	039	1008
97/09/23	Rick Sugarek-Environmental Protection Agency - Region 9	Rick Breitenbach-	ROC: CALFED reoperation alternatives	2375	1652-95571	039	1002
97/09/24	Lee Erickson-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: Brick Flat Pit filtrate riser pipe inspection & repair	2379	1652-95591	039	1010
97/09/24	Frank Peter-Stauffer Management Co	Rick Sugarek-Environmental Protection Agency - Region 9	ROC: Structural steel & record of decision (ROD4)	2380	1652-95592	039	1012
97/09/25	Rick Sugarek-Environmental Protection Agency - Region 9	Bill Croyl- CA Regional Water Quality Control Board	ROC: Copper discharge load to delta	2386	1652-95575	039	1097
97/09/25	Frank Michny-US Dept of Interior - Bureau of Reclamation	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Response to 7/14/97 memo re analysis of Spring Creek Debris Dam (SCDD) operational efficiency, w/encl & fax TL to R Sugarek fr E De Carlo	2384	1652-04346	039	1068
97/09/25	Donald Mandel-CA Environmental Protection Agency - Dept of Toxic Substances Control	Rick Sugarek-Environmental Protection Agency - Region 9	Ltr: Additional responses to comments on 4/96 water management FS addendum for site, w/TL to R Sugarek fr D Mandel 9/26/97	2387	1652-95578	039	1099
97/09/25	John Spitzley- C H 2 M Hill	Lee Erickson-Stauffer Management Co	Memo: Clarifies discussions with B Claire re L Well request for stability analysis & inspection of excavation	2388	1652-95593	039	1102
97/09/25	Rick Sugarek-Environmental Protection Agency - Region 9	Lee Erickson-Stauffer Management Co	ROC: Brick Flat Pit riser inspection & repair & 1997 storm repair commitment	2389	1652-95600	039	1104

97/09/25	- US Dept of Interior - Bureau of Reclamation	Paul Fujitani- US Dept of Bureau of Reclamation	Spring Creek water quality rpts (9/25/97), w/TLs to R Sugarek fr J Martin & D Wisniewski	2381	1652-04194	039	1014
97/09/25	Rick Sugarek- Environmental Protection Agency - Region 9	-	Handwritten notes: Comparison of copper discharge to Sacramento River, San Francisco Bay & delta	2385	1652-95574	039	1095
97/09/25	- Environmental Protection Agency - Region 9	-	Agenda for record of decision briefing re response to comments, w/ ROD highlights of community participation & water quality management (WQM) results	2382	1652-04343	039	1037
97/09/26	- Stauffer Management Co	- Environmental Protection Agency - Region 9	Workplan for Brick Flat Pit liner repair material requirements, w/ attch & TL to R Sugarek fr L Erickson	2390	1652-04365	039	1106
97/09/27	Rick Sugarek- Environmental Protection Agency - Region 9	Lee Erickson- Stauffer Management Co	ROC: Brick Flat Pit filtrate riser pipe repair	2391	1652-95594	039	1124
97/09/29	Rick Sugarek- Environmental Protection Agency - Region 9	John Spitzley- C H 2 M Hill	ROC: Progress of Keswick Reservoir benthic studies	2392	1652-95576	039	1126
97/09/29	Rick Sugarek- Environmental Protection Agency - Region 9	-	Handwritten notes: Review of Stauffer (SMC) focus feasibility study (FFS) costs for baseflow treatment	2393	1652-95577	039	1128
97/09/30	- Environmental Protection Agency - Region 9	-	Record of decision, w/EPA concurrences (4 ROD)	2395	1652-04373	040	0001
97/09/30	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Water quality model output in support of response to comments	2394	1652-04342	039	1130
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97/09/30	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Response to comments on water management FS & addendum, v5 of 5	2400	1652-04380	040	1728
97/09/30	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Response to comments on water management FS & addendum, v2 of 5	2397	1652-04377	040	0650

97/09/30	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Response to comments on water management FS & addendum, v1 of 5	2396	1652-04376	040	0105
97/09/30	- C H 2 M Hill	- Environmental Protection Agency - Region 9	Response to comments on water management FS & addendum, v3 of 5	2398	1652-04378	040	0966

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