



I170 - IHSS-170, The Property Utilization and Disposal (PU&D) Yard

Last updated: 9/30/2014

numerical index

I170-A-000001	9/30/1997
Summary Report for IHSS 170, IHSS 174A, and IHSS 174B (PU&D)	
Note transmittal of Data Summary Report for Individual Hazardous Substance Site (IHSS) 170, IHSS 174A, and IHSS 174B, Property Utilization and Storage Yard (PU&D), report summarizes the results of the recent Pre-Remedial Investigation of the PU&D Storage Yard. Appendices D and E will be forwarded under separate letter (See CERCLA Administrative Record (AR) OU10-BZ-000328).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000001.PDF	70 KB
I170-A-000002A	9/25/1997
Report for HSS 170, IHSS 174A, and IHSS 174B	
Letter transmitting enclosed Data Summary Report for Individual Hazardous Substance Site (IHSS) 170, IHSS 174A, and IHSS 174B, Property Utilization and Storage Yard; documents pre-remedial investigation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000002A.pdf	15 MB
I170-A-000003	8/6/1997
SAP for the Pre-Remedial Investigation of IHSS 170, IHSS 174A, and IHSS 174B	
Transmittal for the Sampling and Analysis Plan (SAP) for the Pre-Remedial Investigation of Individual Hazardous Substance Site IHSS 170, 174A, and 174B, Property Utilization and Storage Yard (PU&D).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000003.PDF	63 KB
I170-A-000004	8/1/1997
SAP for the Pre-Remedial Investigation of IHSS 174B	
Transmittal of the Sampling and Analysis Plan (SAP) for the Pre-Remedial Investigation of Individual Hazardous Substance Site IHSS 174B: Property Utilization and Storage Yard (PU&D).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000004.pdf	1 MB
I170-A-000005	7/8/1997
Migratory Bird Survey for Pre-Remedial Investigation of IHSS 170, 174A and 174B	
Request of support for National Environmental Policy Act (NEPA) Checklist and Threatened, Endangered, and Migratory Bird Survey for the Pre-Remedial Investigation of Individual Hazardous Substance Site IHSS 170, 174A and 174B, Property Utilization and Storage (PU&D).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000005.PDF	271 KB

I170-A-000006	8/12/1997
Final SAP for the Pre-Remedial Investigation of IHSS 170, 174A and 174B	
Transmittal of the Final Sampling and Analysis Plan (SAP) for the Pre-Remedial Investigation of Individual Hazardous Substance Site IHSS 170, 174A and 174B, Property Utilization and Storage Yard (PU&D).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000006.pdf	1 MB
I170-A-000007	8/14/1997
Transmits Final SAP for the Pre-Remedial Investigation of IHSS 170, 174A, 174B	
Transmittal of the Final Sampling and Analysis Plan (SAP) for the Pre-Remedial Investigation of Individual Hazardous Substance Site IHSS 170, IHSS 174A, IHSS 174B, Property Utilization and Disposal (PU&D) Yard.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000007.PDF	112 KB
I170-A-000008	8/14/1997
Supplemental HASP for Pre-remedial Investigation of IHSS 170, 174A, and 174B	
Transmittal of the Supplemental Health and Safety Plan (HASP) for the Pre-remedial Investigation of Individual Hazardous Substance Site IHSS 170, 174A, and 174B, Property Utilization and Disposal (PU&D) Yard.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000008.pdf	1 MB
I170-A-000009	8/18/1997
Final SAP for the Pre-remedial Investigation of IHSS 170, IHSS 174A, and IHSS 174B	
Transmits US Department of Energy, Rocky Flats Field Office (DOE/RFFO) to US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) copy to Final Sampling and Analysis Plan (SAP) for the Pre-remedial Investigation of Individual Hazardous Substance Site (IHSS) 170, IHSS 174A, and IHSS 174B, and the Supplemental Health and Safety Plan for the same.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000009.pdf	90 KB
I170-A-000010	8/19/1997
Final SAP for the Pre-remedial Investigation of IHSS 170: page change	
Final Sampling and Analysis Plan (SAP) for the Pre-remedial Investigation of Individual Hazardous Substance Sites IHSS 170, 174A and 174B, property utilization and storage yard. Page changes explained on the attached "Logsheets for Field Changes to Controlled Documents."	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000010.pdf	388 KB
I170-A-000011	8/12/1997
Final SAP for the Pre-remedial Investigation of IHSS 170, 174A and 174B	

Final Sampling and Analysis Plan (SAP) for the Pre-Remedial Investigation of Individual Hazardous Substance Sites IHSS 170, 174A and 174B, property utilization and storage yard. This Pre-remedial Investigation SAP for IHSS 170, 174A and 174B, also known as the PU&D Yard, at the Rocky Flats Environmental Technology Site (RFETS) summarizes and assess the existing data, delineates data gaps, and describes the scope of work required to identify the source of Volatile Organic Compounds (VOC) impacting groundwater.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000011.pdf

1 MB

I170-A-000012

9/4/1997

Final SAP for the Pre-remedial Investigation of IHSS 170: page change

Final Sampling and Analysis Plan (SAP) for the Pre-remedial Investigation of Individual Hazardous Substance Sites IHSS 170, 174A and 174B, property utilization and storage yard. Page changes explained on the attached "Logsheet for Field Changes to Controlled Documents."

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000012.pdf

149 KB

I170-A-000013

8/12/1997

Supplemental HASP for the Pre-remedial Investigation of IHSS 170, 174A, and 174B

Supplemental Health and Safety Plan (HASP) for the Pre-remedial Investigation of Individual Hazardous Substance Site IHSS 170, 174A, and 174B, Property Utilization and Storage Yard (PU&D). This supplemental HASP addresses the task specific hazards associated with the Pre-remedial Investigation IHSSs 170, 174A, and 174B, PU&D storage yard. Field activities will be conducted using this HASP for task area specific hazards, and the Rocky Mountain Remediation Services (RMRS)HASP for the 1996 Well Abandonment and Replacement Program (WARP) RF-ER-96-0016 for programmatic and general hazards.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000013.pdf

1 MB

I170-A-000014

9/22/1999

Transmits Data Summary Report for IHSS 170, 174A, and 174B, PU&D

Transmits the attached (000015) Data Summary Report for Individual Hazardous Substance Site IHSS 170, 174A, and 174B, Property Utilization & Yard (PU&D), September 25, 1997.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000014.PDF

75 KB

I170-A-000015

9/25/1997

Data Summary Report for IHSS 170, 174A and 174B, PU&D - September 1997

Data Summary Report for Individual Hazardous Substance Site IHSS 170, 174A and 174B, Property Utilization and Disposal (PU&D), September 25, 1997. The purpose of this pre-remedial investigation was to identify if a source of Volatile Organic Compounds (VOCs) in subsurface soil was present in the PU&D Yard that could be impacting groundwater requiring remedial action. This Data Summary Report summarizes the field activities and analytical results from the activities to locate potential residual VOC contamination equal to or greater than the Rocky Flats Cleanup Agreement (RFCA) Tier 1 subsurface soil action levels. Also includes the Internal Rockwell International Letter to file dated December 17, 1987, regarding the Empty Drum Recycling and Powder Incident of December 4, 1987.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000015.pdf

23 MB

I170-A-000016	10/12/1999
Transmittal of Data Summary Report for IHSSs 170, 174A, and 174B, PU&D	
Transmittal of Data Summary Report for Individual Hazardous Substance Sites IHSS 170, 174A, and 174B, Property Utilization & Storage Yard (PU&D), which is being provided in partial response as additional information for these IHSSs which were not accepted as No Further Actions (NFA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000016.PDF	94 KB
I170-A-000017	9/30/1997
Transmits DSR: IHSS 170, 174A and 17B, PU&D, September 1997	
Transmits the attached (000015) Data Summary Report for Individual Hazardous Substance Sites IHSS 170, 174A and 174B, Property Utilization and Disposal (PU&D), September 25, 1997. Appendices D and E will be forwarded under a separate letter for insertion into the Report upon receipt of final analytical results for Toxicity Characteristic Leaching Procedure (TCLP) - metals, radioisotopes, and the Data Validation Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000017.PDF	83 KB
I170-A-000018	9/25/1999
Data Summary Report: IHSS 170, 174A and 17B, PU&D - September 1999	
Data Summary Report for Individual Hazardous Substance Sites IHSS 170, 174A and 174B, Property Utilization and Disposal (PU&D), September 25, 1999. Includes Appendices A, Boring Logs; B, Volatile Organic Compound (VOC) Analytical Results; C, Toxicity Characteristic Leaching Procedure (TCLP)-Metals Analytical Results; D, Surface Soil Radiological Results; and E, Data Usability. This Data Summary Report summarizes the field activities and analytical results from the activities to located potential residual VOC contamination equal to or greater than the Rocky Flats Cleanup Agreement (RFCA, 1996) Tier I Subsurface Soil Action Levels. On the basis of the analytical results from this pre-remedial investigation, a VOC contaminant source equal to or above the RFCA Tier I subsurface soil action levels was not identified and the PU&D Yard will not require remediation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000018.pdf	22 MB
I170-A-000019	9/22/1999
Transmits DSR: IHSS 170, 174A and 17B, PU&D, September 1999	
Per Agency request, transmits the attached Data Summary Report for Individual Hazardous Substance Sites IHSS 170, 174A and 174B, Property Utilization and Disposal (PU&D), September 25, 1999, and the internal Rockwell International letter to file dated December 17, 1987, regarding the "Empty Drum Recycling and Powder Incident of December 4, 1987." [Letter not included].	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000019.PDF	107 KB
I170-A-000020	6/30/1999
NFA Justification HRR for the PU&D Storage Yard IHSS 170, 174A and 174B	
Transmits the enclosed Draft No Further Action (NFA) Justification Historical Release Report (HRR) for the Property Utilization and Disposal (PU&D) Storage Yard (IHSS 170, 174A and 174B), June 30, 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000020.pdf	2 MB

I170-A-000021	5/21/2002
Discusses the PU&D Yard Treatability Study	
Purpose of Contact: Discusses the PU&D Yard Treatability Study (TS) that is in progress and the groundwater results indicated in the Volatile Organic Compound (VOC) concentrations.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000021.PDF	79 KB
I170-A-000022	9/9/1997
Confirmation of attainment of Milestone for Characterization of PU&D Yard	
Discusses the meeting that was held on September 4, 1997 regarding the results of the Property Utilization and Disposal (PU&D) Yard Characterization. Attached are the results, no contaminant source was identified and this area does not require remediation. This milestone has been completed three weeks ahead of the schedule completion date of September 30, 1997.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-A-000022.PDF	147 KB
I170-B-000001	12/21/1999
Forwards Final Draft TM for Monitored Natural Attenuation of PU&D Yard VOC Plume for agency review and approval.	
Forwards the attached [000002] Final Draft Technical Memorandum (TM) for Monitored Natural Attenuation of the Property Utilization and Disposal (PU&D) Yard Volatile Organic Compound (VOC) Plume for Agency review and approval.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000001.PDF	76 KB
I170-B-000002	12/2/1999
TM for Monitored Natural Attenuation of the PU&D Yard VOC Plume, Draft, Final	
Technical Memorandum Monitored Natural Attenuation of the Property Utilization and Disposal (PU&D) Yard Volatile Organic Compound (VOC) Plume, Draft Final. This TM serves to provide the basis and technical approach for recommending monitored natural attenuation as an appropriate course of action for protecting surface water quality from underground contamination associated with the PU&D Yard VOC plume. This recommendation is based on an evaluation of known conditions, relevant groundwater and surface water data and other potential factors, including natural attenuation, that could affect contaminant transport and plume migration.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000002.pdf	3 MB
I170-B-000003	5/23/2000
Draft Final TM for Monitored Natural Attenuation of the PU&D Yard VOC Plume	
Responses to comments on the Draft Final Technical Memoranda (TM) for Monitored Natural Attenuation of the Property Utilization and Disposal (PU&D) Yard Volatile Organic Compound (VOC) Plume, dated December 1999, which will be added to the PU&D Yard Sampling and Analysis Plan (SAP), but the TM will not be changed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000003.PDF	278 KB
I170-B-000004	9/27/2001
Submits Final PU&D Yard Plume Enhanced Natural Attenuation TS Report	

Submits the attached [000005] Final Property Utilization and Disposal (PU&D) Yard Plume Enhanced Natural Attenuation Treatability Study (TS) Report Revision 0.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000004.PDF	69 KB
I170-B-000005	9/27/2001
Final PU&D Yard Plume Enhanced Natural Attenuation Treatability Study Report	
Final Property Utilization and Disposal (PU&D) Yard Plume Enhanced Natural Attenuation Treatability Study (TS) Report Revision 0. This report documents the results of In-Situ treatability testing and to evaluate the effectiveness of the Hydrogen Release Compound for degradation of Volatile Organic Compounds (VOCs) in low groundwater flow regimes.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000005.pdf	2 MB
I170-B-000006	10/29/2001
CDPHE finds the results of the PCE from the soil encouraging	
Colorado Department of Public Health and Environment (CDPHE) finds the results of the Perchloroethylene (PCE) from the soils as well as the dissolved portion of the plume very encouraging and are awaiting the rest of the data collected for this Treatability Study (TS).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000006.PDF	80 KB
I170-B-000021	7/31/2000
DOE forwards SAP for Groundwater Monitoring at PU&D Yard to EPA	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) letter forwards Sampling and Analysis Plan (SAP) for Groundwater Monitoring at the Property Utilization and Disposal (PU&D) Yard for review by the US Environmental Protection Agency (EPA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000021.PDF	66 KB
I170-B-000022	7/1/2000
SAP for Groundwater Monitoring at the PU&D Yard, Draft Final, July 2000	
Sampling and Analysis Plan (SAP) for Groundwater Monitoring at the Property Utilization and Disposal (PU&D) Yard, Draft Final Revision 0, dated July 2000.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000022.pdf	4 MB
I170-B-000023	1/9/2001
Discussion of PU&D Yard Plume Treatability Study WP	
Regulatory Contact Record: Colorado Department of Public Health and Environment (CDPHE) states no additional comments on the Property Utilization and Disposal (PU&D) Yard Plume Treatability Study Work Plan (WP) and that it was approved.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000023.pdf	34 KB
I170-B-000024	1/12/2001
Submits Final PU&D Yard Plume Enhanced Natural Attenuation TS WP	

Kaiser-Hill Company, L.L.C. (K-H) submits the Final Property Utilization and Disposal (PU&D) Yard Plume Enhanced Natural Attenuation Treatability Study (TS) Work Plan, (WP), Revision 0 dated January 12, 2001. All comments have been incorporated in this study and has been approved in draft form.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000024.pdf	67 KB
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I170-B-000025	1/12/2001
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Final PU&D Yard Plume Enhanced Natural Attenuation TS WP

Final Property Utilization and Disposal (PU&D) Yard Plume Enhanced Natural Attenuation Treatability Study (TS) Work Plan, (WP), Revision 0 dated January 12, 2001. This study includes a Subsurface and Groundwater Contaminant Summary, Borehole and Well Installation and Groundwater Sample Collection. Maps and Tables are attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000025.pdf	1 MB
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I170-B-000026	2/6/2001
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Forwards copy Final PU&D Plume Enhanced Natural Attenuation TS WP, Jan 21, 2001

US Department of Energy (DOE) forwards the attached [000027] Final Property Utilization and Disposal (PU&D) Yard Plume Enhanced Natural Attenuation Treatability Study Work Plan (WP), January 21, 2001. All Regulatory Agency comments have been incorporated. Both the Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) approved this document in draft form.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000026.pdf	50 KB
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I170-B-000027	1/12/2001
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Final PU&D Plume Enhanced Natural Attenuation Treatability Study WP, January 21, 2001

Final Property Utilization and Disposal (PU&D) Yard Plume Enhanced Natural Attenuation Treatability Study Work Plan (WP), January 21, 2001.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/I170/I170-B-000027.pdf	1 MB
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