

Completion of Decommissioning End Points Document Building 484-1D and Building 484-2D

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1.0 Purpose and Scope

This purpose of this report is to document the completion of the decommissioning activities and end points for two office trailers in D-Area: 484-1D Modular Office Trailer and 484-2D Coal Handler's Change House. In addition to the trailers, a storage box ancillary to 484-2D was also decommissioned.

The decommissioning scope (i.e., before and after condition of the facilities) is further defined in a Decommissioning End Points Document, Reference 4.01, and an SOW (Reference 4.02) that included these facilities along with Building 484-4D (which is described in a separate completion of end points). No Facility Decommissioning Evaluation (FDE) was required for 484-1D or 484-2D since they are considered trailers/portable buildings. In addition to no FDE for these facilities, there will be no Decommissioning Project Final Report (DPFR) which is only required to validate completion of an FDE.

2.0 Discussion

Environmental Compliance and Area Completion Projects (EC&ACP), supported by Project Management and subcontractor CTI, decommissioned Buildings 484-1D, 484-2D and the storage box adjacent to 484-2D in accordance with the activities/end points of Reference 4.01 and the Statement of Work (SOW), Reference 4.02. The following sections summarize completed activities and end points and provide additional completion details for specific activities.

2.01 Summary of Completed Activities

EC&ACP supported by their subcontractor, CTI, completed the following decommissioning activities:

1. Complete preparatory activities
2. Perform asbestos abatement activities
3. Perform Dismantlement and Removal (D&R) activities
4. Perform Demolition activities
5. Complete project closure activities

Appendix A provides a detailed listing of End Points for each of the above activities along with visual observation or referenced documentation that closes (i.e. demonstrates completion of) the end points.

3.0 Conclusion

1. EC&ACP has completed all decommissioning activities for 484-1D and 484-2D and achieved all end points
2. By completing the activities and achieving the end points, the decommissioning project is complete.
3. There are no remaining structures at each location and both locations are ready for “area closure”.
4. Waste numbers from 484-1D include the following:
 - Six (6) cubic yards of non-friable asbestos waste
 - One hundred eighty (180) cubic yards of construction debris
 - Thirty (30) cubic yards of scrap metal (recycled)
 - Nine (9) PCB light ballasts
 - One (1) box of universal waste
5. Waste numbers from 484-2D include the following:
 - One hundred eighty (180) cubic yards of construction debris
 - Thirty (30) cubic yards of scrap metal (recycled)
 - Ten (10) PCB light ballasts
 - One (1) box of universal waste

4.0 References

- 4.01 William B. Griffin, “Decommissioning End Points Document Building 484-1D and Building 484-2D”, V-PMP-D-00034, Revision 1, dated 6/11/2020
- 4.02 William B. Griffin, “Decommissioning of Buildings 484-1D, 484-2D and 484-4D”, G-SOW-D-00011, Revision 2, dated 10/8/2020.

LISTING OF APPENDICES

- A- Before and After Photographs of Each Facility/Structure
- B. Listing of End Points and/or End Point Activities Along with Completion Verification

Appendix A – Before and After Photos of Each Facility/Structure



Figure A-1. Building 484-1D Before

Appendix A – Before and After Photos of Each Facility/Structure



Figure A-2. Building 484-1D After

Appendix A – Before and After Photos of Each Facility/Structure



Figure A-3. Building 484-2D Before

Appendix A – Before and After Photos of Each Facility/Structure

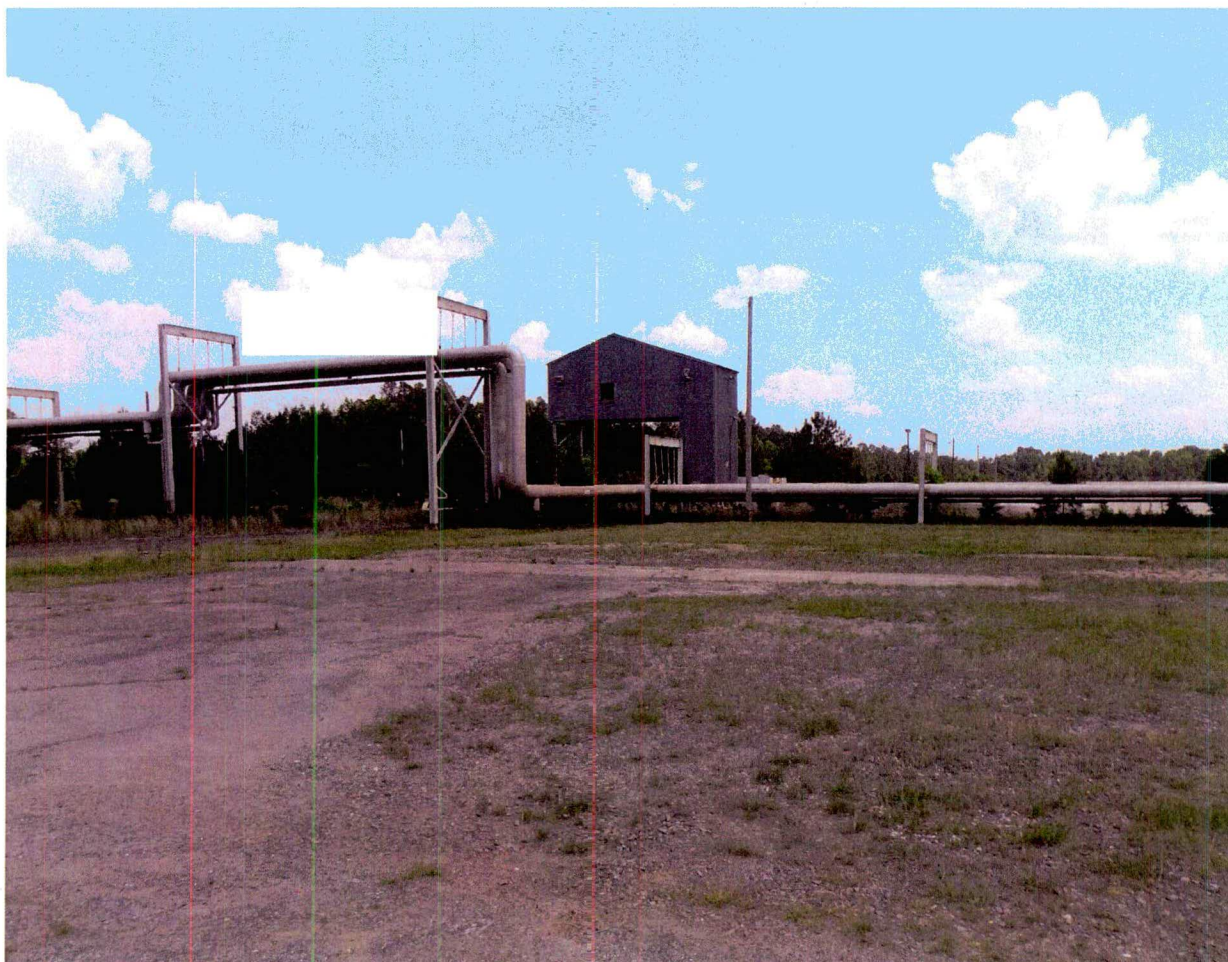


Figure A-4. Building 484-2D After

Appendix B – Listing of End Points and/or End Point Activities Along with Completion Verification

End Point	Activity Description	End Point	Verification Method
MA - 1	Identify and Characterize Building 484-1D and Building 484-2D Components for D&R		
MA- 1.1	Sample/analyze materials as needed (e.g., paints, mastics, insulation) for PCB's, lead and other hazardous materials as needed. Define segregation practices/waste management for identified components.	Characterization report with segregation practices is approved and issued.	Waste Identification Form (WIF) SRNS-TR-2020-00143 issued for 484-1D and SRNS-TR-2020-00362 issued for 484-2D
MA - 1.2	Verify asbestos inspection in accordance with Manual 3Q, Procedure ECM 4.14.	Inspection reports are approved and issued.	Q-APG-D-00009, Rev. 0 was issued for 484-2D and Q-APG-D-00012, Rev. 1 was issued for 484-1D
MA - 1.3	Prepare and process Environmental Evaluation Checklist (EEC) in accordance with Manual 3Q, Procedure 5.1.	NONA is issued. EEC is approved.	NONA Letter issued 8/20/20
MA - 1.4	Complete asset disposition by preparing the disposition packages for submission to DOE and GSA.	DOE has approved excessing of assets and structures.	Approved for 484-1D and 484-2D - Phil Dalby, DOE-HQ 7/7/2014
MA - 1.5	Update all property systems, Master Building List (MBL) and the Financial Information System (FIS).	Systems have been updated.	All records closed based on receipt of Request for Site Clearance Permit closure
MA - 1.6	Prepare and submit Site Clearance Permit.	Site Clearance Permit has been approved and issued.	SC-7875 issued for 484-1D and SC-7873 for 484-2D
MA - 1.7	Conduct the Readiness Review.	Report issued following Readiness Review.	Q-SDD-D-00015 issued 2/2/2021

Completion of Decommissioning End Points for
Building 484-1D and Building 484-2D

End Point	Activity Description	End Point	Verification Method
MA – 1.8	Perform Engineering Survey and Interference Report per SDD-2005-00329.	Engineering Survey issued.	Q-SDD-D-00002 for 484-1D issued 8/20/20 and Q-SDD-D-00003 for 484-2D issued 8/20/20
MA – 2	Eliminate or Reduce Hazards		
MA – 2.1	Isolation of hazardous energy per Manual C2, Procedure FDP 2.04.	Verification report is approved and issued.	Verification of E-SDD-D-00001, Rev. 1 and E-SDD-D-00002, Revision 1 as pertaining to 484-1D and 484-2D
MA – 2.2	Complete deactivation activities.	Deactivation Work Packages complete.	Verification of completion of Work Order # 1812836 tasks 1 and 2
MA – 3	Remove and Disposition Equipment and Components		
MA – 3.1	Remove hazardous and other materials and equipment, including exit signs, thermostats, emergency lights, fluorescent fixtures, ballasts, exterior lights, Freon (from HVAC), cleansers, etc.	Building 484-1D and Building 484-2D and ancillary structures are free of hazardous material.	Verified by observations by GCO
MA – 3.2	Remove loose miscellaneous materials and equipment, such as shelves, tool cabinets, computers, printers, desks, chairs, refrigerator, microwave, etc.	Building 484-1D and Building 484-2D and ancillary structures are free of loose miscellaneous materials and equipment.	Visual observations by STR and GCO
MA – 3.3	Remove exterior installed electrical equipment such as disconnects, HVAC units, panels, transformers, external feeders, etc.	External electrical equipment has been removed, including external feeders previously identified.	Visual observations and confirmed in V-PCOR-D-00042, Deactivation Project Final Report
MA – 3.4	Remove all remaining accountable and non-accountable assets.	Accountable and non-accountable assets have been relocated, as required.	Visual observations by STR and GCO

Completion of Decommissioning End Points for
Building 484-1D and Building 484-2D

V-PCOR-D-00051
Revision 0, 06/03/2021
Page B-3 of B-6

End Point	Activity Description	End Point	Verification Method
MA-4	D&R Buildings		
MA – 4.1	Obtain demolition permit in accordance with Manual 3Q, Procedure ECM 4.14.	Demolition permit received from SCDHEC.	Demolition License # ASD-001086 issued 1/19/2021 for 484-1D and asbestos License # ASR-002796 issued 2/3/2021. Demolition License # ASD-001188 issued 2/16/21 for 484-2D. No ACM license req'd for 494-2D
MA – 4.2	Demolish Building 484-1D and Building 484-2D and ancillary structures. Ensure grade is free of coarse debris.	Grade/area free of coarse debris.	Verified by observation at 484-2D on 2/25/21 and 484-1D on 3/18/21

Completion of Decommissioning End Points for
Building 484-1D and Building 484-2D

V-PCOR-D-00051
Revision 0, 06/03/2021
Page B-4 of B-6

End Point	Activity Description	End Point	Verification Method
MA - 5	Remove and Dispose of Waste		
MA - 5.1	Segregate removed materials and disposition/manage in accordance with the applicable Manual 1S and Manual 3Q Procedures.	Manifest/ship waste to the appropriate treatment, storage and/or disposal facility.	<p>484-1D 6 yd3 non-friable asbestos waste (Three Rivers Landfill) 180 yd3 construction debris (Three Rivers Landfill) 30 yd3 scrap metal (recycled) (741-1N Salvage Yard) 9 PCB light ballast (TSCA Waste to be shipped to Solid Waste) 1 box of universal waste (725-1N)</p> <p>484-2D 180 yd3 construction debris (Three Rivers Landfill) 30 yd3 scrap metal (recycled) (741-1N Salvage Yard) 10 PCB light ballast (TSCA Waste to be shipped to Solid Waste) 1 box of universal waste (725-1N)</p>

Completion of Decommissioning End Points for
Building 484-1D and Building 484-2D

V-PCOR-D-00051
Revision 0, 06/03/2021
Page B-5 of B-6

End Point	Activity Description	End Point	Verification Method
MA – 6	Configure the Remaining Grade/Area for Long-term Stewardship (i.e., mitigate remaining hazards, prevent the accumulation of rainwater)		
MA – 6.1	Fill low points with soil, stone, grout or concrete.	Low points filled and near flush with grade.	Visual observation 3/24/21 for 484-2D and 4/14/21 for 484-1D
MA – 6.2	Remove abandoned conduit, piping or other protrusions to within 2” of grade and fill penetrations 2” diameter or greater with stone, grout and/or concrete.	All abandoned conduit, piping or other protrusions cut to within 2” of grade and penetrations 2” diameter or greater filled with grout.	Visual observation 3/24/21 for 484-2D and 4/14/21 for 484-1D

**Completion of Decommissioning End Points for
Building 484-1D and Building 484-2D**

**V-PCOR-D-00051
Revision 0, 06/03/2021
Page B-6 of B-6**

End Point	Activity Description	End Point	Verification Method
MA - 7	Close-Out the Decommissioning Project		
MA - 7.1	Identify records and documents to maintain long-term stewardship and meet occupational exposure decisions. Disposition other records in accordance with the Retention Schedule Matrix (Reference 1B, 3.31).	The Record organization is notified that the buildings are D&R'd.	Document Control (DCR) has been notified that 484-1D and 484-2D have been demolished and that documents identified in SRNS-J2000-2021-00440 can be voided
MA - 7.2	Prepare as-built information and a request for Site Clearance Permit Closure, OSR 3-120, and submit as required by Manual 1D Procedure 3.02.	Request for Site Clearance Permit Closure is issued.	Site Clearance Permits for 484-1D and 484-2D closed 5/26/2021
MA - 7.3	Conduct FAI -51 walk down.	FAI - 51 is approved and issued.	Final Acceptance Inspection (FAI-51) for 484-1D was held 3/24/21 and verified on G-SDD-D-00009 4/14/21. The FAI-51 for 484-2D was held 3/4/21 and verified 3/24/21 on G-SDD-D-00010 on 3/24/21