



Document # FS-19-0116
Delivery via email

Patrick R. Schwab, Contracting Officer Representative
U.S. Department of Energy
Office of Nuclear Energy
1000 Independence Ave., SW
Washington, D.C. 20585

May 14, 2019

Subject: Final Phase 3 Report Submittal
Reference: Atlas HLRM Railcar Project, Contract DE-NE-0008390

Dear Mr. Schwab;

Enclosed is the final Phase 3 report, supporting appendices and final technical data package submittal Calculation CALC-3015133 Revision 005. Submitted documents include both the native Word file and a .pdf file. The enclosed revised Phase 3 report and appendices include the following files:

Basic File Name	Description
FS-19-0116 Phase 3 Rpt Rev 0	EIR-3021970-000 Final Phase 3 Report Rev 0
FS-19-0116 Appendix A Atlas As-Built Fab Dwgs	Appendix A – Atlas As-Built Fabrication Drawings
FS-19-0116 Appendix B Atlas Insp Documents	Appendix B – Atlas Inspection Documents
FS-19-0116 Appendix C Atlas BOM	Appendix C – Atlas Bill of Materials
FS-19-0116 Appendix D Final Atlas Op-Maint Manual	Appendix D – Final Atlas Operations-Maintenance Manual
FS-19-0116 Appendix E Buffer As-Built Fab Dwgs	Appendix E – Buffer As-Built Fabrication Drawings
FS-19-0116 Appendix F Buffer Insp Documents	Appendix F – Buffer Inspection Documents
FS-19-0116 Appendix G Buffer BOM	Appendix G – Buffer Bill of Materials
FS-19-0116 Appendix H Final Buffer Ops-Maint Manual	Appendix H – Final Buffer Operations-Maintenance Manual
FS-19-0116 Appendix I Test Load Designs	Appendix I – Test Load Designs
FS-19-0116 Appendix J Final Family 1	Appendix J – Final 1 Conceptual Cradle Design Calculation and Drawings
FS-19-0116 Appendix K – Final Gen Load Proc Rev 3	Appendix K – Final General Loading Procedures Rev 3
FS-19-0116 CALC-3015133-005	Final Atlas Railcar Family 1 Conceptual Cradle Structural Calculation Rev 005



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Also included is a .pdf version of the report and all appendices in a single file; this is titled *FS-19-0116 Phase 3 Report Rev 0 Complete.pdf*. These final document packages are submitted to complete CLIN 3, Event 8.

For questions and comments, contact me at 704-805-2994 or at mark.denton@areva.com.

Best Regards,



Mark A. Denton
Sr. Project Manager

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