

**Ameren Missouri Labadie Energy Center  
Construction Permit Application for a Proposed Utility Waste Landfill  
Franklin County, Missouri**

**Applicable Regulatory References  
Sorted by Regulatory Citation  
Table 1B**

**STATE OF MISSOURI REVISED STATUTES (RSMo)**

RSMo	REPORT SECTION	TITLE
260.205.2	2.8.1	Preliminary Site Investigation (PSI)
260.205.7	Appendix E	Request for Recommendation from East Central Solid Waste Management District, Region I
260.205.7	1.5	Request for Recommendation from East Central Solid Waste Management District, Region I

**STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI SOLID WASTE MANAGEMENT  
10 CSR 80-2 RULES**

10 CSR 80-	REPORT SECTION	TITLE
2,11	Table 1A	Applicable Regulatory Reference Sorted by Table of Contents
2,11	Table 1B	Applicable Regulatory Reference Sorted by Regulatory Citation
2.020(1)(2)(A)(B)	Appendix B	Articles of Organization
2.020(1)(2)(A)(B)	Appendix C	Good Standing Certificate
2.010(5)	2.9.3	Groundwater Occurrence
2.010(6)	2.8.7	Unstable Areas
2.010(11)	3.1.4	Compliance with 10 CSR 80-11.010
2.010(49)	2.8.7	Unstable Areas
2.010(57)	2.8.6	Seismic Impact Zone
2.010(67)	1.3	Landfill Owner and Operator
2.010(68)	1.3	Landfill Owner and Operator
2.010(74)	3.3.3	Phased Development
2.010(77)	2.8.7	Unstable Areas
2.010(96)	2.8.6	Seismic Impact Zone
2.010(114)	2.8.7	Unstable Areas
2.010(118)	3.1.4	Compliance with 10 CSR 80-11.010
2.010(118)	3.1.4	Compliance with 10 CSR 80-11.010
2.015(1)(A)	2.8.1	Preliminary Site Investigation (PSI)
2.015(1)(D)	2.8.2	Detailed Site Investigation (DSI)
2.020	2.1	Site Location

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10 CSR 80-2 RULES (continued)**

<b>10 CSR 80-</b>	<b>REPORT SECTION</b>	<b>TITLE</b>
2.020(2)(A)	1.2	Proposed Facility
2.020(2)(A)	1.3	Landfill Owner and Operator
2.020(2)(A)	2.2	Legal Description of the Property
2.020(2)(A)2.A	N/A	Construction Permit Application Form
2.020(2)(A)2.C	Appendix U	Draft FAI
2.020(2)(A)2.D	Appendix R	Closure and Post-Closure Plan
2.020(2)(A)2.F	Appendix G	Adjacent Landowners or Landowners within 1000 ft
2.020(2)(A)2.G	N/A	Construction Permit Application Fee - MDNR (\$2,000)
2.020(2)(A)2.I	1.4	Applicant Violation History
2.020(2)(A)2.J	3.7.2	Water Quality Permits
2.020(2)(A)5	N/A	Construction Permit Application Fee - MDNR (\$2,000)
2.020(6)	Appendix F	Franklin County Requirements
2.020(7)	Appendix U	Draft FAI
2.020(8)	Appendix D	Violation History Disclosure Form
2.020(9)(B)8.C	2.5	Surrounding Land Use
2.020(9)(B)8.H	Appendix S	Utility Waste Landfill Emergency Contacts
2.030(4)	Appendix R	Closure and Post-Closure Plan
2.070	1.4	Applicant Violation History
3.010	2.8.7	Unstable Areas

**STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI SOLID WASTE MANAGEMENT  
10 CSR 80-11 RULES**

<b>10 CSR 80-</b>	<b>REPORT SECTION</b>	<b>TITLE</b>
11.010	2.8.7	Preliminary Site Investigation (PSI)
11.010	3.1	Description of the Landfill Design
11.010	3.1.1	Project Background Summary
11.010	3.1.2	Technical Background Summary
11.010	3.1.4	Compliance with 10 CSR 80-11.010
11.010	Appendix Y	Miscellaneous Engineering Calculations
11.010(1)	3.1.3	Environmental Protection
11.010(1)	Appendix Z	Groundwater Demonstration and Design Basis Memoranda
11.010(2)	4.3	Solid Waste Accepted

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10 CSR 80-11 RULES (continued)**

<b>10 CSR 80-</b>	<b>REPORT SECTION</b>	<b>TITLE</b>
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11.010(2)(B)	3.5	Solid Waste Accepted
11.010(2)(3)(16)	Figure 3	Entrance Sign Detail
11.010(3)	4.4	Solid Waste Excluded
11.010(3)(A)	3.6	Solid Waste Excluded
11.010(3)(B)	3.6	Solid Waste Excluded
11.010(4)	2.0	Site Selection
11.010(4)	2.8	Site Selection Location Restrictions
11.010(4)(A)	1.1	Site Background
11.010(4)(5)	3.1.1	Project Background Summary
11.010(4)(5)	3.1.2	Technical Background Summary
11.010(4)(B)1	2.8.3	Floodplains
11.010(4)(B)1	Appendix H	Floodplain Documentation
11.010(4)(B)2	2.8.4	Wetlands
11.010(4)(B)2	Appendix I	Wetland Assessment
11.010(4)(B)3	2.8.6	Seismic Impact Zone
11.010(4)(B)4	2.8.7	Unstable Areas
11.010(4)(B)4.A	2.9.2	Bedrock
11.010(4)(B)5	Plan Sheet 1	Cover Sheet
11.010(4)(B)5	Plan Sheet 2	Existing Site Conditions
11.010(4)(B)5	Plan Sheet 3	Project Overview
11.010(4)(B)5	Plan Sheet 4	Land Use and Zoning Within 1/4 Mile
11.010(4)(B)5	Plan Sheet 5	Overall Bottom Grading Plan (Top of Liner)
11.010(4)(B)5	Plan Sheet 6	Cell 1 Grading Plan (Top of Liner)
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11.010(4)(B)5	Plan Sheet 10	Overall Final Grading Plan
11.010(4)(B)5	Plan Sheet 11	Phase 1 Final Grading Plan
11.010(4)(B)5	Plan Sheet 12	Phase 2 Final Grading Plan
11.010(4)(B)5	Plan Sheet 13	Phase 3 Final Grading Plan
11.010(4)(B)5	Plan Sheet 14	Phase 4 Final Grading Plan

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10 CSR 80-11 RULES (continued)**

<b>10 CSR 80-</b>	<b>REPORT SECTION</b>	<b>TITLE</b>
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11.010(4)(B)5.A	2.6	Site Topography
11.010(4)(B)5.A	3.4	Final Contours
11.010(4)(B)5.B	2.4	Zoning and Land Use
11.010(4)(B)5.B	2.5	Surrounding Land Use
11.010(4)(B)5.B	2.7	Utilities
11.010(4)(B)5.C	3.14	General Maintenance of Landfill Systems
11.010(4)(B)5.C	4.2	Operational Description
11.010(4)(B)5.C	4.2.1	UWL Disposal Operation Operational Description
11.010(4)(B)5.C	4.2.2	Flood and Liquefaction Impact Mitigation Plans
11.010(4)(B)5.D	2.9	Geotechnical Investigations
11.010(4)(B)5.D	2.9.1	Soils
11.010(4)(B)5.D	Appendix J	Geotechnical Investigation for Construction Permit Application by Reitz & Jens, dated November 2012, Revised August 2013, Revised November 2013
11.010(4)(B)5.D	Appendix K	Soil Material Volume and Balance Calculations
11.010(4)(B)(6)	Appendix Z	Groundwater Demonstration and Design Basis Memoranda
11.010(4)(C)1	2.3	Site Access
11.010(5)	Plan Sheet 16	Stormwater Pond Storage and Transfer Details
11.010(5)	Plan Sheet 17	Liner Details
11.010(5)	Plan Sheet 18	Miscellaneous Details 1
11.010(5)	Plan Sheet 19	Miscellaneous Details 2
11.010(5)	Plan Sheet 20	Leachate Collection System Details
11.010(5)	Plan Sheet 21	Stormwater Drainage Details
11.010(5)	Plan Sheet 22	Cross Sections A-A' and B-B'
11.010(5)	Plan Sheet 23	Cross Sections C-C' and D-D'
11.010(5)	Figure 1	Site Location Map
11.010(5)	3.0	Landfill Design
11.010(5)	3.1	Description of the Landfill Design
11.010(5)(A)4	Appendix J	Report Titled "Geotechnical Engineering Report for Construction Permit Application" by Reitz & Jens, dated November 2012
11.010(5)(B)	3.2	Volume of the Proposed Landfill
11.010(5)(B)	4.0	Landfill Operation
11.010(5)(B)1	3.3	Construction Sequence

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11.010(5)(B)3	3.3.1	UWL Construction Sequence
11.010(5)(B)3	3.3.2	UWL Disposal Area Construction Sequence
11.010(5)(B)3	3.3.2.1	Phase Construction Sequence
11.010(5)(B)3	3.3.2.2	Flood and Liquefaction Impact Mitigation Plans
11.010(5)(B)3	3.3.3	Phased Development
11.010(5)(B)3	4.1.1	Phased Development
11.010(6)(B)	Appendix P	Construction Quality Assurance Plan
11.010(6)(B)	4.1.3	Construction Quality Assurance (CQA)
11.010(7)	2.10	Survey Control
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11.010(7)	4.1.4	Survey Control
11.010(7)(B)	Appendix V	Survey Plat
11.010(7)(B)1	2.10.1	Boundary Survey
11.010(8)	4.5	Water Quality
11.010(8)(A)(B)	Appendix W	Groundwater Hydraulic Data
11.010(8)(B)1.C	2.9.3	Groundwater Occurrence
11.010(8)(B)1.C	Appendix Z	Groundwater Demonstration and Design Basis Memoranda
11.010(8)(B)1.D	2.9.3	Groundwater Occurrence
11.010(8)(B)1.F	3.7	Stormwater Management System
11.010(8)(B)1.F	3.7.1	Stormwater Runoff Controls
11.010(8)(B)1.F	Appendix M	Erosion Calculations
11.010(8)(B)1.F	Appendix N	Stormwater Calculations
11.010(8)(B)1.F	Appendix O	H.E.L.P Model Results
11.010(8)(C)	Appendix N	Stormwater Calculations

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10 CSR 80-11 RULES (continued)**

<b>10 CSR 80-</b>	<b>REPORT SECTION</b>	<b>TITLE</b>
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11.010(8)(C)1	3.7	Stormwater Management System
11.010(8)(C)1	3.7.1	Stormwater Runoff Controls
11.010(9)	4.5	Water Quality
11.010(9)(B)	3.9	Leachate Management System
11.010(9)(B)	3.9.1	Leachate Generation Rate
11.010(9)(B)	3.9.1.1	Pre-Closure Generation Rate
11.010(9)(B)	3.9.1.2	Post-Closure Generation Rate
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11.010(9)(C)	4.5.2	Leachate Management in the UWL
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11.010(10)(B)2	3.8.2.2	Geomembrane Component
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11.010(10)(C)	3.8.2	Materials and Construction
11.010(11)	3.10	Groundwater Monitoring
11.010(11)	3.10.2	Groundwater Monitoring System
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11.010(11)(C)2	Appendix Q	Groundwater Sampling and Analysis Plan
11.010(11)(C)2	4.5.3	Groundwater Sampling and Analysis Plan
11.010(11)(C)3	3.10.1	Groundwater Quality
11.010(11)(C)6	3.10.3	Corrective Action
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11.010(12)(B)	4.6.1	Dust Control
11.010(13)	4.7	Aesthetics

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10 CSR 80-11 RULES (continued)**

10 CSR 80-	REPORT SECTION	TITLE
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11.010(14)	4.9	Final Cover Material
11.010(14)(B)	Appendix R	Closure and Post-Closure Plan
11.010(14)(B)	3.15	Closure and Post-Closure
11.010(14)(B)	3.12.1	Materials and Construction
11.010(14)(B)1	3.2.2	Soil Material Volume
11.010(14)(B)1	3.11.1	Soil Cover Sources
11.010(14)(C)	3.12.1	Materials and Construction
11.010(14)(C)	3.12.1.1	Soil Component
11.010(14)(C)1	3.11	Cover Material
11.010(14)(C)3	3.12.1.1	Soil Component
11.010(14)(C)7	3.12.2	Vegetation
11.010(14)(C)10	3.12.1.1	Soil Component
11.010(15)	4.8	Equipment and Staffing
11.010(15)	4.10	Compaction
11.010(15)(B)1	4.8.2	Equipment Maintenance
11.010(15)(B)1	4.8.3	Back-Up Equipment
11.010(15)(C)	4.8.4	Staffing
11.010(15)(C)1	4.8.1	Primary Equipment
11.010(16)	4.11	Safety
11.010(16)(B)1	2.3	Site Access
11.010(16)(B)1	4.0	Landfill Operation
11.010(16)(C)2	2.3	Site Access
11.010(17)	4.12	Records
11.010(17)	Appendix T	Recordkeeping and Reporting Forms
11.010(17)(C)2.A(I)	Appendix A	Property Deeds
11.010(17)(C)1.D	Appendix L	Landfill Life Estimate
11.010(17)(C)1.D	3.2	Volume of the Proposed Landfill
11.010(17)(C)1.D	3.2.1	Landfill Life Expectancy

NOTE: Franklin County Requirement for Erosion Protection, Article 10 Section 238 C 3d is referenced in 3.3.2.3.