

AECI Gas Plant Missouri Permit Matrix											
Item No.	Permit/Clearance	Regulatory Agency	Regulation	Details	Required for	Application Requirements	Typical Time for Application Preparation	Anticipated Agency Review Time	Permit Fee	Comments/Notes	Document or Website Link
Federal											
1	National Environmental Policy Act (NEPA) Review	Lead Federal Agency	National Environmental Policy Act	Required pursuant to NEPA for public disclosure of environmental impacts resulting from Federal actions.	Construction	Process can be a phased approach. The applicant typically prepares a preliminary Environmental Assessment (EA). The agency reviews the document and can either attach a Finding of No Significant Impact or require the preparation of an Environmental Impact Statement (EIS).	4 to 9 months	6 to 12 months	No	The level of NEPA review is dependent on the extent of impacts. The U.S. Army Corps of Engineers may take on the role of Lead Federal Agency if a Section 404 Permit is required due to wetland and/or stream impacts.	https://www.epa.gov/nepa
2	Section 404 Wetland/Stream Disturbance Permit	U.S. Army Corps of Engineers (USACE) - Kansas City District	Section 404 of the Clean Water Act	Required to dredge or place fill in a jurisdictional water, including wetlands. Nationwide Permit (NWP): Less than or equal to 0.5 acre of wetland impacts Individual Permit: More than 0.5 acre of wetland impacts	Construction	Complete field delineation to determine extent of jurisdictional wetlands and waters of the U.S. within the Project boundary. Develop wetland delineation report and calculate extent of impacts to jurisdictional waters.	4 weeks for wetland delineation and report preparation; 2 weeks for NWP application; 1 to 2 months for Individual Permit application	NWP Permit - 2 to 3 months; Individual Permit - 10 to 18 months	No	The entire proposed work area should be evaluated for wetlands and streams to avoid impacts to the extent practicable.	https://www.nwk.usace.army.mil/Missions/Regulatory-Branch/Nation-Wide-Permits/
											https://www.nwk.usace.army.mil/Portals/29/docs/regulatory/NWP/2021/MO/2022_MORC.pdf?ver=Rdltt9IYeTUW_cviGGTwZg%3d%3d
3	Section 408 Permit	USACE - Kansas City District	Section 408 of the Clean Water Act	Required for any alterations, modifications, or to occupy any existing USACE civil works project. This includes dams, levees, channels, navigational channels, and any other flood risk management, navigation, recreation, and infrastructure and environmental stewardship projects constructed by USACE. Includes an engineering, environmental, real estate, and legal review from the USACE.	Construction	1 Written request letter 2 Engineering drawings	1 week for letter preparation	60 days for a low risk project; 90+ days for a high risk project	No	If a Section 404 permit is required, the 408 application is submitted concurrently with the 404 application, and the USACE Regulatory Department will handle coordination with the 408 reviewer.	https://www.nwk.usace.army.mil/Missions/Section-408/
											https://nid.sec.usace.army.mil/#/
											https://levees.sec.usace.army.mil/#/
4	Section 10 Permit	USACE - Kansas City District	Section 10 of the Rivers and Harbors Act	Required to construct over, in, or under a Section 10 navigable waterway.	Construction	Typically, the same application can be used for the Section 10 process as for the Section 404 process.	2 weeks for NWP application; 1 to 2 months for Individual Permit application	45 to 60 days or simultaneous with another USACE permit	No	Seven streams listed as Section 10 in the USACE Kansas City District.	https://usace.contentdm.oclc.org/utils/getfile/collection/p16021coll11/id/4035
5	Section 7 Threatened & Endangered Species Consultation and Clearance	U.S. Fish & Wildlife Service (FWS), Ecological Services	Section 7 of the Endangered Species Act (ESA), 16 USC 1531-1534	If the Project will potentially impact protected species or their respective habitat, or if a Section 404 and/or NPDES permit is required, then the FWS must be consulted for compliance with the Endangered Species Act.	Construction	The FWS will determine the level of effort needed for the Project to proceed (e.g., desktop survey, habitat assessment, species surveys, avian impact studies).	1 week to complete habitat assessment field survey; 1 week to draft letter to FWS to request concurrence of no impact	30 days for data request, 30 days for report review (if required)	No	Habitat assessment and species surveys not likely required if construction will take place in an already developed area, requiring no tree clearing, and no Section 404 Permit.	https://www.fws.gov/office/missouri-ecological-services
6	Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) Compliance	U.S. Fish & Wildlife Service (FWS), Ecological Services	Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA)	If an activity may affect bald eagles, golden eagles, and/or their nests, coordination with the FWS may be required. Disturbance of any known eagle nesting areas will require FWS coordination.	Construction	Bird nest surveys could be required by the FWS to demonstrate compliance with the BGEPA. Even if not required by the FWS, project owners will typically conduct bird nest surveys to assess the potential risks to nesting bald and golden eagles.	1 week to complete bird nest survey; 1 week to draft letter to FWS to request concurrence of no impact	30 days for data request, 30 days for report review (if required)	No	Habitat assessment and species surveys not likely required if construction will take place in an already developed area, requiring no tree clearing, and no Section 404 Permit.	https://www.fws.gov/office/missouri-ecological-services
7	Notice of Proposed Construction	Federal Aviation Administration (FAA)	14 CFR Part 77	Required for the construction of structures 200 feet tall or within the distance to height ratio from the nearest point of a FAA airport runway. Also required for construction equipment reaching heights over 200 feet.	Construction	Complete Form FAA 7460-1 Notice of Proposed Construction or Alteration	1 week	45+ days	No		https://www.faa.gov/forms/index.cfm/go/document.information/documentid/186273
8	Hazardous Waste Generator Registration	U.S. Environmental Protection Agency (EPA)	Resource Conservation and Recovery Act	Required for facilities that manage hazardous waste. Employers must train personnel on proper hazardous waste management and comply with stringent requirements for generating, storing, treating, and disposing of hazardous wastes.	Operation	Must complete RCRA Subtitle C Site Identification Form to register as a hazardous waste generator, as appropriate.	1 to 2 weeks	30 to 60 days	No		https://rcrapublic.epa.gov/rcrainfoweb/documents/rcra_subtitleC_forms_and_instructions.pdf
9	Spill Prevention, Control, and Countermeasure Plan (SPCC Plan)	U.S. Environmental Protection Agency (EPA)	40 CFR Part 112	Facilities that store, process, refine, use or consume oil or oil products; store more than 1,320 gallons in total of all aboveground containers (only count containers with 55 gallons or greater storage capacity) or more than 42,000 gallons in completely buried containers; and could reasonably be expected to discharge oil to navigable waters of the U.S. or adjoining shorelines, such as lakes, rivers and streams.	Operation	SPCC Plan must be prepared in accordance with good engineering practices and certified by a Professional Engineer. SPCC Plan requires regular inspections and documentation of aboveground storage tanks holding regulated substances. https://www.epa.gov/sites/production/files/2013-08/documents/qf_app_guidance_0.pdf	30 to 60 days	No pre-approval required. Must be kept onsite and reviewed every 5 years or if there is a change within the site.	No	If fuel is stored onsite during construction that exceeds SPCC Plan thresholds, the Project owner or contractor will be required to develop an SPCC Plan for construction.	https://www.epa.gov/sites/production/files/2013-08/documents/qf_app_guidance_0.pdf
											https://www.epa.gov/oil-spills-prevention-and-preparedness-regulations/spill-prevention-control-and-countermeasure-10

State - Missouri											
10	Construction Permit (New Source Review)	Missouri Department of Natural Resources (DNR) - Air Pollution Control Program	10 CSR 10-6	Construction permits are required prior to commencing construction of an emission source and may be obtained by submitting a completed Application for Authority to Construct to the Air Pollution Control Program.	Construction	Application requirements dependent on Criteria Air Pollutants	2 to 3 months	60 to 180 days	\$250 to \$5,000 filing fee, processing fees TBD	Estimate source potential emissions to determine appropriate permitting process. The Air Pollution Control Program issues several types of construction permits: Major, Minor and De Minimis permits, portable relocation permits, temporary permits, and permits-by-rule.	https://dnr.mo.gov/air/business-industry/permits/construction
11	Operating Permit (Intermediate Permit)	Missouri Department of Natural Resources (DNR) - Air Pollution Control Program	10 CSR 10-6	An Intermediate installation is a Part 70 installation that accepts voluntary, federally-enforceable limitations on production and/or emissions, type of materials combusted or processed, operating rates, or hours of operation in order to reduce the potential to emit and maintain the installation's actual emissions below major source levels.	Operation	Application requirements dependent on Criteria Air Pollutants	2 to 3 months	Within 18 months	TBD	Estimate source potential emissions to determine appropriate permitting process. The Air Pollution Control Program issues several types of construction permits: Major, Minor and De Minimis permits, portable relocation permits, temporary permits, and permits-by-rule.	https://dnr.mo.gov/air/business-industry/permits/operating
12	Title V Operating Permit	Missouri Department of Natural Resources (DNR) - Air Pollution Control Program	10 CSR 10-6	Required for emission sources producing more than 100 tons/year of pollutants	Operation	Application requirements dependent on Criteria Air Pollutants	2 to 3 months	Within 18 months	\$750 to \$6000	Determine if Project will produce more than 100 tons/year of pollutants.	https://dnr.mo.gov/air/business-industry/permits/operating
13	Section 401 Water Quality Certification (WQC)	Missouri Department of Natural Resources (DNR) - Water Protection Program	Section 401 of the Clean Water Act; 10 CSR 20-6	Required prior to Section 404 approval to verify that Project activities will not violate the State water quality standards. If 401 Water Quality Conditions are met under a USACE Nationwide Permit, then 401 WQC is granted upon issuance of the Nationwide Permit related to wetland and waterbody impacts. Otherwise, an Individual 401 Water Quality Certification is required from MDNR.	Construction	No application required if Project qualifies for Section 404 Nationwide Permit.	1 to 2 weeks	Approval process runs concurrently with Section 404 application process for USACE Nationwide Permits; at least 60 days for an Individual 401 WQC	Only for an Individual 401 WQC - \$75		https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality
											https://dnr.mo.gov/document-search/clean-water-act-section-401-water-quality-certification-2021-general-specific-conditions
14	NPDES Industrial Discharge Permit	Missouri Department of Natural Resources (DNR) - Water Protection Program	Section 402 of the Clean Water Act	Required to discharge operational wastewaters from industrial facilities to surface waters of the State. Also required for land application of wastewaters.	Operation	1 Form A - MO 780-1479 2 Form C - MO 780-1545 3 Form D - MO 780-1516 May require antidegradation assessment to demonstrate no degradation to receiving water. Application would require: 1 Map showing location of all outfalls, with scale, as well as a flowchart indicating each process, which contributes to the outfall 2 A geohydrological evaluation conducted by MDNR's Geological Survey 3 Engineering certification that the project was designed to meet the requirements of 10 CSR 20-8	2 to 12 months	180 days	TBD	Would be required for combined-cycle facility if discharging wastewater to a surface water or land applying any waste streams. Time frame of 2 to 12 months depending on the complexity of the project.	https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/stormwater?order=field_expiration_date&sort=desc&title=
											https://dnr.mo.gov/forms-applications?order=title&page=21&sort=desc&term_node_tid_depth=All&title=
15	POTW Pretreatment Permit	Missouri Department of Natural Resources (DNR) - Water Protection Program	Section 403 of the Clean Water Act	Required for industries discharging into a municipal sewer system. Typically industries must meet numeric limits on pollutants and employ best management practices to control the amount of pollutants being discharged.	Operation	This will be dependent upon the ordinances of the city with the POTW permitting authority.	2 to 3 months	This will be dependent on the POTW that issues the permit.	TBD	Would be required for combined-cycle facility if discharging wastewater to a municipal wastewater treatment system.	https://dnr.mo.gov/document-search/capacity-management-operations-maintenance-plan-model-guidance-pub2574/pub2574
16	Wastewater Impoundment Construction Permit	Missouri Department of Natural Resources (DNR) - Water Pollution Control Branch	10 CSR 20-6.010(S)	Required for wastewater that is impounded onsite for treatment and/or flow rate control prior to discharge.	Construction	1 Application for Construction Permit - Wastewater Treatment Facility 2 Facility Plan 3 Summary of Design 4 Geohydrological Evaluation	3 to 6 months	180 day for wastewater treatment or 60 days for collection system projects in advance of the construction start date.	TBD		https://casetext.com/regulation/missouri-administrative-code/title-10-department-of-natural-resources/division-20-clean-water-commission/chapter-6-permits/section-10-csr-20-6010-construction-and-operating-permits
17	Onsite Sanitary Disposal Permit - Onsite Wastewater Treatment Septic System (OWTS)	Missouri Department of Health and Senior Services	10 CSR 20-6.030	Cluster or centralized systems with subsurface soil dispersal under the same common promotional plan within the same operating location when the maximum daily flows of domestic wastewater is less than or equal to 3,000 gallons per day including offices, motels/hotels, RV parks, theaters, and restaurants. The City or County may have more restrictive standards.	Construction	MO Dept. of Health and Senior Services must approve of method of domestic wastewater treatment. Construction permit is required before installation or repair of OWTS, which may fall under the city or county authority if a local onsite sewage ordinance has been adopted.	TBD	Will be dependent on who has onsite authority (State vs city or county)	TBD		https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/wastewater/wastewater-and-septic-systems
											https://s1.sos.mo.gov/cmsimages/adrules/csr/current/19csr/19c20-3a.pdf
											https://health.mo.gov/living/environment/onsite/permitprocess.php
18	NPDES Land Disturbance Permit & Stormwater Pollution Prevention Plan (SWPPP)	Missouri Department of Natural Resources (MDNR) - Water Protection Program	Section 402 of the Clean Water Act	Required for construction activities which will disturb 1 or more acres of land.	Construction	The General Permit requires the development of a SWPPP prior to permit approval.	3 to 4 weeks	Through the ePermitting process, permit approval is typically granted instantaneously upon application submittal.	Depends on acreage of disturbance		https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/stormwater/construction-or-land-disturbance-mo-ra00000
19	Cultural Resources Clearance	Missouri Department of Natural Resources (MDNR) - State Historic Preservation Office (SHPO)	National Historic Preservation Act – Section 106	Under Section 106 of the National Historic Preservation Act, Federal agencies must work with the State Historic Preservation Office to address historic preservation issues when planning projects or issuing funds or permits that may affect historic properties and archaeological resources listed in or determined eligible for the National Register of Historic Places.	Construction	1 Desktop evaluation 2 Agency coordination letter SHPO will determine if further consultation is required, such as a Phase I Cultural Resources survey.	SHPO determines level of consultation (resources surveys, etc.).	1 to 2 months for each response	No	SHPO consultation not likely required if construction will take place in an already developed area, no Federal funds are used for Project development, and no Section 404 Permit or other Federal permit is required.	https://mostateparks.com/page/84261/section-106-review

State - Missouri											
20	Threatened & Endangered Species Clearance (State)	Missouri Department of Conservation (MDC)	RsMo Section 252.240	Required for projects with the potential to affect State-listed threatened and/or endangered species	Construction	1 Cover letter 2 Site location figures 3 Maps delineating the area of impact or work area 4 Site photographs	2 weeks for initial consultation; 1 to 2 months if field survey and report are required. MDC determines level of consultation.	45 days for initial response, additional 45 days for determination of field survey results (if required)	No	Habitat assessment and species surveys not likely required if construction will take place in an already developed area, requiring no tree clearing and no Section 404 Permit.	https://mdc.mo.gov/your-property/responsible-construction/missouri-natural-heritage-program
21	Well Certification- PUB98 Certification and Registration of Records	Missouri Department of Natural Resources (MDNR) - Missouri Geological Survey	10 CSR 23	Required for the construction of any water well, monitoring well, mineral exploratory well, or ground source heat pump system.	Construction	Well Certification Record	1 to 2 weeks	10 Days	Water well certification: \$80 Monitoring well certification: \$100		https://dnr.mo.gov/document-search/monitoring-well-certification-report-mo-780-1415
22	Major Water Users	Missouri Department of Natural Resources (MDNR) - Missouri Geological Survey	Sections 256.400-433, RsMo	Major water users are required to register their water use annually. Any entity withdrawing or diverting 100,000 gallons or more of water per day (or approx. 70 gallons per minute) from all their combined wells and/or surface intakes.	Annually	1 Water Use Inventory form 2 Source of Water form 3 Map showing location of the water source by section, township, and range	1 week	2 weeks	No	Length of permit is for the lifetime of the water source. *** this is only a registration, no permit is issued.	https://dnr.mo.gov/document-search/major-water-use-registration-mo-780-2019
23	Aboveground Storage Tank (AST) Inspection	Missouri Department of Agriculture (MDA), Petroleum/Propane/Anhydrous Ammonia Program	Petroleum Inspection Program: Cpt 414.142 RS Mo	MDA performs petroleum and anhydrous ammonia AST safety inspections.	Operation	https://s1.sos.mo.gov/cmsimages/adrules/csr/current/2csr/2c90-30.pdf	NA	NA	NA		https://agriculture.mo.gov/weights/fdsa/
24	Boiler/Pressure Vessel Inspection Certificate	Missouri Department of Public Safety /Fire Safety	RsMo Section 650.200 to 650.295 11 CSR 40-2.010 to 40-2.060	Boilers/pressure vessels must be constructed to the ASME Boiler & Pressure Vessel Codes and registered with the National Board of Boiler and Pressure Vessel Inspectors. Certificate inspections are the responsibility of the owner and required every 1 to 2 years.	Construction / Operation	1 Boiler & Pressure Vessel Installation Permit 2 Attachments A and B	TBD	Completed applications shall be submitted to the Chief Inspector at least 60 days prior to the start of the installation.	Fees per vessel		https://dfs.dps.mo.gov/programs/bpv/
Clinton County											
25	Zoning Map Amendment / Zoning Permit	Clinton County Planning and Zoning	Clinton County Zoning Ordinance 1.12; 7.4-1	Zoning Map Amendment will likely be required to change the zoning district of the property from Agricultural to Heavy Industrial (M-2). Electric power plants are listed as a permitted use by right in the M-2 Zoning District.	Construction	Adjacent Property Owners Water Supply Approval Sanitary Sewer Approval Road Department Approval (County and State) Preliminary Plat/Site Plan	4 weeks	8 weeks	TBD, consultation necessary	No Clinton County Zoning Map was identified during review of the County Government Webpage and GIS Viewer. The underlying zoning designation of the Breckenridge Run property is assumed to be agricultural. "The Official Zoning Map is posted on the wall in the zoning administrator's office".	https://clintoncomo.org/government/courthouse/planning-and-zoning/ordinances-forms/
										Public hearing will be required from the Planning and Zoning Department for ultimate Zoning Map Amendment approval by the County Commissioners.	https://clintoncomo.org/wp-content/uploads/2023/03/Special-Use-Permit-Application-2023.pdf
										Conditional Rezoning process for a specific use is available (7.4-3).	https://clintoncomo.org/wp-content/uploads/2023/02/CLINTON-COUNTY-SETBACKS.pdf
										Construction of an electric power plant will likely require stringent review from the Clinton County Engineer and the Planning and Zoning Commission.	https://clintoncomo.org/wp-content/uploads/2023/01/APPLICANT-CONTACT-Information-2023.pdf
											https://clintoncomo.org/wp-content/uploads/2023/03/Clinton-Co-Zoning-Order-Amended-03-07-2023.pdf
26	Commercial Construction Application for Permit (Building Permit)	Clinton County Planning and Zoning	County building codes and other ordinances	Required for all types of new building construction, additions, remodeling, or repair work prior to the start of construction.	Construction	Building Plans (including square footage) Septic Application Morphology Report Land/Parcel Information & Survey	1 week	4 weeks	\$0.30/sq. ft.		https://clintoncomo.org/wp-content/uploads/2023/01/COMMERCIAL-BUILDING-PERMIT-APPLICATION-2023.pdf
27	Driveway Permit	Clinton County Planning and Zoning	County building codes and other ordinances, and all requirements of the County Road and Bridge Department	Required prior any proposed excavation, construction, or other encroachment on Clinton County roadways.	Construction	Driveway/Road Type Number of Access Points Distance from other driveways Contact Sheet	1 week	2 weeks	TBD, consultation necessary	Construction must be completed within 6 months of approval.	https://clintoncomo.org/wp-content/uploads/2023/01/DRIVEWAY-PERMIT-2023.pdf
28	On-Site Waste Water Permit	Clinton County Planning and Zoning	10 CSR 20-6.030	Construction of an onsite wastewater disposal system or septic system.	Construction	Contact Sheet Parcel and Property Details Morphology Report	1 week	2 weeks	\$235	Morphology report must be conducted by a licensed Missouri Soil Evaluator (http://health.mo.gov/living/environment/onsite/ose/index.php)	https://clintoncomo.org/wp-content/uploads/2019/11/On-Site-Application.pdf
											http://health.mo.gov/living/environment/onsite/ose/index.php

Notes:
This is not an exhaustive list of all permits that may be required.
Some permits listed may not be applicable after field surveys are performed.