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Missouri's Land Reclamation Information System (LRIS)

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Abstract: Missouri has approximately 16,187 hectares of permitted industrial and metallic minerals mine sites. The development of the Land Reclamation Information System (LRIS) involved at least a 10-year commitment to bring the interactive mapping system to service for public viewing and electronic permitting for mine operators. LRIS involved countless hours to improve the environmental permitting process initiated from stakeholder requests. It provides enhancements to the program's data collection, improved mapping accuracy, and transparency to the public. Regulated entities are able to easily manage mining permits. For mine operators who utilize LRIS to submit a permit renewal or amendment application, the permit issuance process is quick. In most cases, permit renewals are received and issued in the same business day. Mine operators are also able to apply for permit modifications and bond releases where they are able to use the interactive mapping tools to select and/or edit the designated area being applied for. The interactive map allows mine operators to determine accurate hectares, post-mining land uses, and auto-calculations of permit fees and bonding rates. Upon permit issuance via LRIS, all information is available for viewing online to the associated mine operator(s). One of the unique features of LRIS is an interactive map viewer of all the mine sites in Missouri for viewing by the general public, local, state, and federal governments to determine the location of mine sites along with contact and permit information. The interactive map viewer is located at:

<https://modnr.maps.arcgis.com/apps/webappviewer/index.html?id=9ce9dbcc86a04cd78cd5554799155ac2>

Keywords: Electronic Permitting, Interactive, Map Viewer