

BUCKEYE CREEK PUMP STATION GRIT REMOVAL

KANSAS CITY, MISSOURI



PROJECT DESCRIPTION

McClure was requested by Kansas City Water to develop a system for contractors and KC Water crews to dump the contents from sewer vacuum trucks that allows for separation of sand and debris from the liquid. The design included a method for trucks to dump without the need to back up, and ability to drain to a sand trap. It has a fixed screen to separate floating debris, mud valves for dewatering and a telescoping valve for decanting. There are barriers installed to allow maintenance and debris removal with a wheeled loader from the drying pad to the sand trap.



PROJECT HIGHLIGHTS:

- Project increases the efficiency and speed for city crews and contractors to offload liquids
- The new facility allows for use of existing city equipment for cleaning
- Installation of water main allows for high-volume cleaning of discharge area
- New entrance allows for fewer turning points for trucks entering/leaving the facility

COMPLETION DATE

2023

REFERENCE

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