

Otter Exhibit

Mesker Park Zoo, Evansville, Indiana

Mesker Park Zoo contracted Alvine Aquatics to perform an assessment of their otter exhibit. Since the opening of the exhibit four years earlier, the life support system had not operated correctly and water quality was suffering. Zoo staff was forced to dump and refill the exhibit more often due to high chloroform levels.

The Alvine team's recommendations included:

- Expanding the life support equipment shed and adding insulation, a heater, and access doors as required to install and service life support equipment
- Replacing the existing sand filter with a bead filter which would provide improved filtration, simpler maintenance, and lower water consumption
- Installing a UV sterilizer to reduce algae and chloroform levels
- Replacing the existing pump and adding a balancing valve to allow fine tuning of the flow rate and pressure drop

Upon completion of the study, the Zoo completed the project with Alvine Aquatics' support during construction administration.

