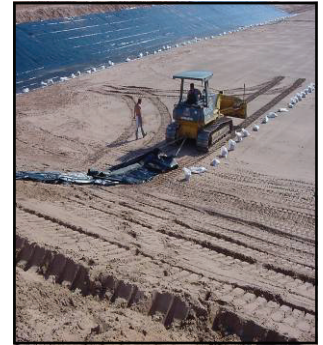




NORTH HOUGHTON COUNTY WATER & SEWAGE AUTHORITY EQUALIZATION BASIN

CALUMET, MICHIGAN



U.P. Engineers & Architects designed a new 20 million gallon basin for the North Houghton County Water & Sewage Authority that holds excess stormwater during periods of high spring melt or storm run-off. The pond required the excavation of 217,000 cubic yards of earth and cost approximately \$700,000. The new basin allows the Authority to treat the dilute spring-time influent within the basin and discharge it to the adjoining creek system. By lowering the overall amount of labor required to operate the facility, affordable rates for customers are maintained in the long-term.