



## Industrial Waste Contaminant Upgrades - DIA

Part of Runway 16R-34L  
Denver International Airport

GROUND Engineering provided all construction materials quality control on this premier project. The project included the construction of three new 7.5 MG glycol cell ponds. Construction included overlot grading and placement of approximately 200,000 cubic yards of soil for the pond embankments and pump station building pad. Each 300 foot by 300 foot pond consisted of a concrete base with a pond sump pump system necessitating the construction of numerous valve vaults and diversion structures. The associated pump station building occupied approximately 4,500 square feet plus a wet well. The building was constructed of structural steel beams and supports with a steel joist/metal deck roof system covered with insulated roof membrane. Interior walls included several CMU walls, and the exterior was metal wall panels with a glass panel system.

All steel fabrication and erection was tested and inspected utilizing visual and non-destructive test methods. All the soils, piers, reinforcing steel, flowable backfill, concrete, concrete masonry units, shop and field inspections of the structural steel, fireproofing and pre-cast weld inspection, were performed by GROUND Engineering.