

Odor Control Systems at Two TARP Shafts and Decommissioning the Thornton Transitional Reservoir, CSA

Project Number	15-266-4HR
Service Area	Calumet
Location	Thornton, IL
Engineering Consultant	Black & Veatch Corporation, Inc.
Engineering Contractor	To be determined
Estimated Construction Cost	\$ 9,069,000.00
Contract Award Date	September-2019
Substantial Completion Date	March-2021



Project Description Work associated with decommissioning of the Thornton Transitional Reservoir includes excavation of existing rock plug in Thorn Creek Connection Tunnel, installation of east and west tunnel plugs in Thorn Creek Diversion Tunnel, placement of mass concrete fill between east tunnel plug and connection tunnel, installation of lining and contact grouting in portions of the connection tunnel and diversion tunnel, removal of concrete beams, rock support and rock in the vicinity of the existing Thornton Transitional Reservoir Portal, removal of sediment in the Thornton Transitional Reservoir; installation of reservoir level measurement equipment; decommissioning the TTR Dewatering Valve Chamber; construction shaft concrete repairs (adjacent to the valve shaft chamber); installation of aggregate pathways at four (4) monitoring wells; repairs to rockfall netting at the TCR north highwall access ramp; installation of carbon filter odor control systems for the Construction and Gate Shafts and any appurtenant work associated with the items listed above.

Project Justification The District entered into an agreement with Hansen Material Service (HMS) to extend the lease for use of the Thornton Transitional Reservoir, and the west lobe of the Thornton Quarry, for another five years. This allows the District to utilize the TTR for holding overbank floodwaters from Thorn Creek while reviewing the capacity of the Thornton Composite Reservoir during its initial years of operation. With this agreement extension through December 2020, several items related to the decommissioning of the TTR were removed from the 04-203-4F Thornton Composite Reservoir Final Preparation contract. The purpose of this project (15-266-4HR) is to complete the items that were removed and credited from the 04-203-4F contract in preparation for the decommissioning of the TTR in late 2020.

Project Status Design Complete