

ZACHARY E. MAHON, P.E.

Education

M.S., Civil Engineering, University of Nebraska-Lincoln, 2017
B.S., Civil Engineering, University of Nebraska-Lincoln, 2015

Specialty Certifications

Professional Engineer - Nebraska
40 hr. HAZWOPER – September 2017



Professional Experience

Mr. Mahon is a project engineer with five years of experience in the solid waste and environmental engineering fields. Zach works on many solid waste design and construction projects for several clients throughout Nebraska and the Midwest. He assisted with the design, permitting, and construction of two ash monofill closure projects for the local power utility which involved design slope modifications and stormwater controls. Zach has also served as the design engineer for paving projects associated with landfill infrastructure and has been the contract administrator and construction oversight observer for several landfill cell construction projects.

City of Lincoln, North 48th Street Infrastructure Improvements - Lincoln, NE:

Design and CQA of facility improvements at the North 48th Solid Waste Management Facility. Improvements included repairing failed sections of asphalt and concrete pavement, replacing a section of gravel road with concrete pavement, and improving stormwater drainage. Mr. Mahon assisted with developing construction drawings and technical specifications as well as reviewing bids and assisting the City during construction.

Omaha Public Power District, North Omaha Station Phase 1 and 2 Side Slope Closure – Omaha, NE:

Assisted with the design and permitting of a closure project for a Coal Combustion Residue (CCR) landfill as a staff engineer. Mr. Mahon developed the final cover contours and drainage plan for an approximate 5-acre closure project and developed the construction documents using AutoCAD Civil 3D. He also assisted with the permit modification and stormwater control plan that were developed in conjunction with the closure project. During the construction phase, Mr. Mahon also served as a CQA technician and was tasked with construction observation and material sampling/testing to determine conformance with project specifications.

Omaha Public Power District, Nebraska City Station Phase 3 Closure – Nebraska City, NE:

Design and CQA for a 26-acre closure project at a Coal Combustion Residue (CCR) landfill. Concurrent to this project was the redesign of the stormwater conveyance system to remove mechanical pumping and replace with gravity drainage. Project work completed with budget and timeline. Mr. Mahon developed the final cover contours and construction documents using AutoCAD Civil 3D. He also assisted with developing technical specifications and reviewing contract documents prior to releasing the design for bidding.

Waste Connections, Butler County Landfill Cell Construction - David City, NE:

Served as a staff engineer for the construction quality assurance (CQA) effort during the construction of several cells at Butler County Landfill. Mr. Mahon reviewed project submittals to evaluate compliance with the construction documents and assisted with the development of CQA reports that were sent to the Nebraska Department of Environment and Energy.