
WADE J. MILLER

Education

B. S. Environmental Engineering, University of Oklahoma, 2002

Professional Affiliations

American Society of Civil Engineers
Solid Waste Association of North America

Professional Experience

Mr. Miller serves as the Yukon, Oklahoma Office Manager. As Office Manager he is responsible for managing the technical and support personnel as well as coordinating extensively with clients and state and federal agencies to achieve client objectives.

During his career he has performed and managed numerous projects including design, permitting, coordination, and oversight for a variety of industries including solid waste, oil and gas, and agriculture production.

Example project experience includes:

Solid Waste

Southeast Landfill – Republic Services, Inc.: Mr. Miller has served as project manager for multiple projects at the Southeast Landfill. Recent projects include the closure of 10 acres and leachate sampling and reporting to the City of Oklahoma City. The closure project involved coordinating construction activities with the owner and the contractor, as well as providing all required testing and oversight to certify to the regulatory agency that the cap was constructed according to the permit, plans and specifications, and applicable regulations.

American Environmental Landfill – American Environmental Landfill, Inc.: Mr. Miller serves as client manager for all current design and environmental compliance monitoring projects at this site. Recent projects include a bioreactor landfill design and permitting, landfill gas utilization study (landfill gas generation and collection, potential end users, and cost analysis), feasibility study of bioreactor landfill (design, water balance, and economic analysis), landfill gas vent system (design and permitting), waste density study, solid waste permit modification to recirculate leachate within the composite lined areas, and solid waste permit modification for liquid waste solidification. Mr. Miller also oversees compliance monitoring efforts at the site and assists with regulatory requirements when necessary.

Stillwater Sanitary Landfill – Republic Services, Inc.: Served as project manager for the Subtitle D landfill waste footprint expansion at this site. Design and permitting activities included site layout, storm water drainage design, hydrologic and hydraulic modeling, leachate management modeling, gas collection system design, construction drawing development, regulatory negotiations, QA/QC plan, closure and post-closure plans, financial assurance, and application preparation.

Tulsa Recycle and Transfer, Inc.: Mr. Miller served as the project manager for the design and permitting associated with the expansion of a transfer station in Tulsa, Oklahoma. The project included location restriction clearance, site layout, transfer station design, site drainage, and preparation of the permit application package.

ONEOK, Inc.: Mr. Miller served as the project manager for the storm water compliance activities and hydrostatic test water sampling and reporting associated with portions of the Arbuckle Pipeline project. Project responsibilities included managing staff and coordinating weekly inspections and hydrostatic test water sampling to ensure construction activities complied with storm water plans and permits.

Newcastle Landfill – Republic Services, Inc.: Mr. Miller served as project manager for the design of a leachate recirculation system to recirculate leachate within the composite lined areas at the Newcastle Landfill. Leachate recirculation is a cost effective option to manage leachate rather than disposal at a wastewater treatment plant. It has been proven beneficial in overall mass stabilization due to accelerated decomposition/settlement, maximized gas production over a shorter duration, and reduced leachate concentration due to anaerobic digestion.

Osage Landfill – Waste Connections, Inc.: Mr. Miller served as project manager for the preparation of specifications, bid package and construction quality assurance services of a 3.88 acre clay barrier constructed over intermediate cover slopes. The project included managing the bidding process, construction issues, obtaining the appropriate geotechnical test, and providing construction oversight in order to certify the clay barrier was constructed in accordance with the permit, and all applicable regulations.

Pauls Valley Landfill – Waste Corporation, Inc.: Mr. Miller served as project manager for the landfill gas migration investigation at the Pauls Valley Landfill. The project consisted of installing multiple temporary barhole punch probes near the perimeter of the landfill to determine if landfill gas had migrated outside of the permit boundary of the landfill. The data collected during the landfill gas migration investigation was utilized to prepare a landfill gas remediation plan.

Dilworth Landfill – Blackwell, Oklahoma: Mr. Miller served as project engineer for the preparation of the solid waste permit application for this proposed Greenfield site. He was involved in landfill siting, hydrogeologic site characterization, site layout, storm water drainage design, hydrologic and hydraulic modeling, leachate management modeling, construction drawing development, QA/QC plan, and closure and post-closure plans.

Fillsand Landfill – Republic Services, Inc.: Mr. Miller served as project manager for the design-build landfill gas flare system upgrade and monthly monitoring, operations, and maintenance services conducted on the landfill gas collection and control system. The landfill gas flare system upgrade project consisted of the design and installation of a low flow skid mounted flare, landfill gas condensate sump, pneumatic pump, storage tank, and an automated system to transfer the gas condensate collected in the sump to the storage tank.

Broken Arrow Landfill – Republic Services, Inc.: Mr. Miller served as project manager for the design-build leachate transfer and storage system at the Broken Arrow Landfill. The project

consisted of designing and constructing an automated system to transfer the leachate collected in sumps located within the landfill to holding tanks and discharge to the POTW during off-peak hours. This system was configured to alert off site personnel of releases within the secondary containment as well as system malfunctions.

Alderson Regional Landfill – Republic Services, Inc.: Mr. Miller has served as the project manager for the construction of 2.5 acres of landfill cell and 4 acres of landfill final cover. His project responsibilities included coordinating all testing and oversight necessary to certify that the projects were constructed in accordance with the permit, and all applicable regulations.

Porter Landfill – Republic Services, Inc.: Mr. Miller has served as the project manager for multiple projects at the Porter Landfill. Recent projects include the construction of 2.5 acres of landfill cell and 13 acres of landfill final cover. His project responsibilities included coordinating all testing and oversight necessary to certify that the projects were constructed in accordance with the permit, and all applicable regulations.

Oklahoma Landfill – Waste Connections, Inc.: Mr. Miller has served as the project manager for the construction of 7 acres of landfill cell and solid waste permit modification to recirculate leachate within the composite lined areas at the Oklahoma Landfill. The landfill cell construction included managing all construction issues, obtaining the appropriated geotechnical and geosynthetics test, and providing construction oversight in order to obtain authorization to operate the constructed cell.

Civil Design Engineering

The Maschhoffs, Inc.: Project manager for the annual waste retention structure re-certifications as required by the Oklahoma Department of Agriculture, Food & Forestry (ODAFF). Coordinated site visits at each facility to document the condition of the liner systems as well as review information on the design, installation, operation, and maintenance of the waste retention structures. The information reviewed included design drawings, Pollution Prevention Plans, liner installation quality assurance test data, operational information, and prior inspection records.

Murphy Farms, Inc.: Mr. Miller served as project manager on an extensive seepage tests conducted on 28 waste retention structures located in the panhandle of Oklahoma and Texas. The seepage tests consisted of documenting waste retention structure levels, environmental conditions, water usage, pan evaporation data and rainfall data on a daily basis at each facility for 30 days. Mr. Miller compiled the data collected over the study and utilized operational data of each facility during the study to perform a water balance. Based upon the results of the water balance, the hydraulic conductivity of the waste retention structure soil liner was calculated for each facility and compared to ODAFF regulations concerning waste retention structures.

Tumbleweed/Sagebrush – Murphy Farms, Inc.: Project manager for the engineering, design and permitting of a sludge removal system, aeration system and two waste retention structures including a settling basin and aeration basin at the Tumbleweed/Sagebrush facility near Laverne, Oklahoma. The purpose of the system enhancement was to reduce the ammonia and BOD levels in the waste stream. The facility initially consisted of a treatment lagoon and storage lagoon. The system enhancement design consisted of routing all wastewater associated with the facility

to a settling basin where solids were collected and removed through a network of pipes installed on the slope and floor of the settling basin and pumped to a sludge drying pad. The wastewater from the settling basin overflowed to the existing treatment lagoon and then pumped to the aeration basin. Air was then introduced through diffusers located in a network of pipes installed on the floor of the aeration basin and treated wastewater allowed to decant to the existing storage lagoon.

Turkey Flats – Murphy Farms, Inc.: Project manager for the engineering, design and permitting of a waste retention structure at the Turkey Flats facility near Laverne, Oklahoma. The waste retention structure was constructed to replace the existing waste retention structure at the facility, which due to the significant amount of solids present was not effectively treating the wastewater. A water balance was conducted utilizing the existing operational data to size the waste retention structure.

Choate Farms – Seaboard Foods, LLC: Project manager for the engineering, design and permitting of a waste retention structure at the Choate Farms facility near Hennessey, Oklahoma. An existing waste retention structure utilized as a settling basin was taken out of service temporarily in order to re-configure the waste retention structure and increase the rate of solids accumulation.

Also served as project manager during construction of the waste retention structure. The project involved coordinating construction activities with the owner and the contractor, as well as providing all required testing and oversight to certify to the regulatory agency that the project was constructed according to the permit, plans and specifications, and applicable regulations.