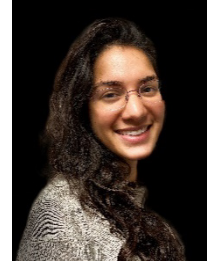


## PARITA SHAH

### Education

MS – Environmental Engineering, Virginia Tech, 2018  
BS – Chemistry, Virginia Commonwealth University, 2015



### Professional Affiliations

Solid Waste Association of North America

### Professional Experience

As a Staff Professional in the Engineering Group at the Reston, Virginia office, Parita Shah is responsible for environmental engineering design projects pertaining to landfill, landfill gas, and liquids management. In particular, Ms. Shah assists with landfill/landfill gas design, landfill gas monitoring, permit review and compliance reporting, stormwater design and management, leachate treatment and management, and onsite O&M support.

#### Landfill Engineering

**Frederick County, Virginia, Feasibility Study and Preliminary Engineering Report.** Assessment of landfill liquid flows and characteristics. Preparation of a preliminary engineering report to review and recommend leachate pretreatment or full treatment options.

**Frederick County, Virginia, Landfill Filling Plans and Stormwater Management.** Regrade of the landfill waste slope to maintain proper landfill operations and vehicular access to fill areas. Insertion of downchutes and channels to transport stormwater to designated sedimentation basins.

**Frederick County, Virginia, Stormwater Pipe Removal.** Design work to ensure leachate minimization following removal of a temporary pipe located at the Permit 591 CDD landfill intended to divert stormwater from the rain cap.

**Montgomery County, Maryland, Covanta Nutrient Reduction Report.** Assessment of the existing wastewater treatment system. Preparation of a nutrient reduction plan to identify short-term and long-term options the Facility may pursue to achieve its annual total nitrogen reduction goals.

**Prince George's County, Maryland, Stormwater Design and Reporting.** Design of stormwater features compliant with federal/state/county-level regulations, permitting, and design criteria to prepare an EPA Phase II and Phase III Report and Soil and Erosion Control permits.

**Prince George's County, Maryland, Landfill Filling Plans and Stormwater Management.** Regrade of the landfill waste slope to maintain proper landfill operations and vehicular access to fill areas. Insertion of downchutes and channels to transport stormwater to designated sedimentation basins.

**Prince George's County, Maryland, Liquids Management.** Design, coordination, and installation of flow meters at Sandy Hill Creative Disposal Landfill to measure the landfill gas condensate, groundwater, and leachate flows.

## Landfill Gas Management

**Prince George's County, Maryland, Brown Station Road Landfill Compliance Reporting.** Responsible for routine monthly, semiannual, and annual landfill gas monitoring and reporting.

**Harford County, Maryland, Bush Valley Landfill Data Reporting.** Responsible for tendering of landfill gas data for semiannual and annual reporting.

## Publications

Shah, Parita, & Zhi-Wu Wang. "Using Digital Polymerase Chain Reaction to Characterize Microbial Communities in Wetland Mesocosm Soils under Different Vegetation and Seasonal Nutrient Loadings." *Science of The Total Environment*, vol. 689, 22 June 2019, pp. 269–277., doi:10.1016/j.scitotenv.2019.06.305.