ASTHA THAKALI

Education

MS – Civil Engineering (Environmental), University of Maine, 2020

BS – Civil Engineering, Tribhuvan University, Nepal, 2016

Professional Experience

Ms. Thakali is currently a Staff Professional with the Landfill Gas (LFG) Group in SCS’s Reston, Virginia office. She is engaged in various engineering projects pertaining to landfill design landfill gas design, regulatory compliance, reporting, and storm water management. Examples of her project experience include:

Landfill Engineering

**Prince George’s County, MD. Landfill Filling Plans.** Responsible for landfill waste slope regrading and maintaining access road to landfill operations, facilitating vehicular reach to fill areas. Outlined downchute and bench for stormwater management.

**Prince George’s County, MD. Stormwater Design.** Designed the components of the stormwater management system staying in compliance with county/state/federal- level regulations and involved in preparation of Soil and Erosion Control Permits.

**Prince George’s County, MD. Area C Expansion.** Conceptualized and designed Area C cell incorporating the permanent and temporary access road to the Area C.

**Prince George’s County, MD. Regulatory Reporting.**  Prepared Title V renewal, monthly emission reports and air regulatory compliance reports.

Landfill Gas Management

**Harford County, Maryland, Bush Valley Landfill Data Reporting.** Sampledlandfill gas and prepared semiannual and annual report as required.

**Frederick County, Virginia.** Sampled landfill gas for annual reporting purposes.

Publications and Presentations

Thakali, Astha, and Jean D. MacRae. "A review of chemical and microbial contamination in food: What are the threats to a circular food system?." *Environmental Research* 194 (2021): 110635.