

THOMAS D. PARKER, PE, BCEE

Education

BS – Civil & Environmental Engineering, Clarkson University, Potsdam, NY.

Professional Licenses

Professional Engineer – Washington (No. 54132), New Mexico (No. 11272), and Texas (No. 83662)



Specialty Certifications

Board Certified Environmental Engineer (BCEE), Solid Waste Management

Professional Affiliations

Solid Waste Association of North America (SWANA) - National President, 2006 – 2007; National Safety Chair, 2010– 2019; Executive Committee, 2000– 2009; International Board Representative 1998 – 2009; New Mexico Roadrunner Chapter, served in all Leadership positions, 1992 – 2009

Professional Experience

As an SCS Project Director and industry leader in solid waste facility planning and design, Thomas (Tom) Parker has over 35 years of experience in the assessment, planning, design, and construction of transfer stations, household hazardous waste facilities, compost facilities, and landfills. He is a certified Professional Engineer in the states of Washington, New Mexico, and Texas, and a Board-Certified Environmental Engineer (BCEE).

Prior to joining SCS, Tom's relevant project experience is summarized below.

Transfer Stations

Kittitas County, Transfer Station Replacement Project, Ellensburg, WA. As Project Manager, Tom managed this multi-year project, which included successful completion of preliminary engineering services (basis of design, site selection and screening, preliminary design, and permitting) in support of the development of this comprehensive solid waste facility that includes a recycling drop-off center, scale plaza, transfer station, compost facility, moderate risk waste (MRW) facility, and recycling depot. Tom served as Client Service Leader and Senior Technical Manager during the final design, bidding, and construction oversight services for Phase 1 construction that included extending utilities (water, sewer, electric, gas), constructing a new access road to the site, and relocation of a 100-year floodplain channel.

King County, Engineering Consulting for the Northeast Recycling and Transfer Station, Seattle, WA. As Senior Technical Consultant, Tom provided senior engineering consulting for a proposed transfer and recycling facility to serve northeast King County. Services include developing conceptual layouts for several shortlisted sites. Elements include a 65,000 square-foot (SF) building, scales and scale plaza, recycling drop-off area, site layout, traffic flows, administrative facilities, and complex facilities tailored to meet end user needs. Work also included site evaluation and screening; community engagement, Siting Advisory Group facilitation and communication with study area cities;

facility programming; sustainability evaluation; support of County equity and social justice (ESJ) efforts; and EIS preparation.

King County, South County Recycling and Transfer Station, Seattle, WA. Tom completed a value engineering review of the 60% complete drawings and specifications for this \$80 million new transfer station that will serve southern King County.

King County, Cedar Hills Regional Landfill Facilities Master Plan Project, Maple Valley, WA. As Project Manager, Tom managed the development of facility relocation options for this multi-phase project. In Phase 1, Tom led the site assessment of 48 buildings and locations and developed conceptual cost estimates to either relocate, repair, or demolish buildings. During Phase 2, he managed the options evaluation to relocate over 200 solid waste employees to other King County locations (new or existing facilities), performing a structured site selection process to identify, evaluate, and select 3 top sites/options for further environmental evaluations. Tom also oversaw the development of conceptual layouts, and the implementation of a stakeholder outreach program.

Seattle Public Utilities, Design of the North Transfer Station, Seattle, WA. Tom served as senior transfer station subject matter expert during design and construction of the North Transfer Station rebuild project. The \$80 million + LEED Gold facility includes a 60,000-square-foot (ft²) tipping building, 10,000-ft² recycling building, 10,000 ft² administration building, five scales, green roofs, and a rainwater harvesting system.

Sacramento County, Design of the Solid and Organics Transfer Station at the North Area Recycling Station, Rancho Cordova, CA. As Senior Project Manager, Tom managed a large multi-disciplined team of architects and engineers in the design of the 1,000 tpd solid and organics transfer station. The \$30 + million new transfer station includes 4 open top load out ports, HVAC system, odor control system, and site utilities. The 50,000 ft transfer building incorporated pre-cast building panels, large concrete floor for unloading and storage of materials, and a dedicated remotely operated system of nozzles to extinguish potential fires throughout the facility. Tom managed a team of architects and engineers in designing state-of-the-art air handling, fire suppression, and odor control systems. Preparation of the 400+ drawings were completed on a 9-month fast track design schedule.

Western Placer Waste Management Authority (WPWMA), Facilities Expansion, Auburn, CA. As Senior Facilities Engineer, Tom provided technical support in developing a facilities masterplan. Expansion projects included a new reuse center, HHW collection and processing facility, buy-back center, scalehouse, public drop-off area, as well as expanded composting operation.

City of Brentwood, Brentwood Transfer Station, Brentwood, CA. As Senior Technical Specialist, Tom provided senior technical support and technical review for the 400-tpd City of Brentwood solid waste transfer station project. The \$7 million, 20,000-ft facility includes two open top-loading bays and tunnels, recycling drop-off areas, scales, scalehouse, and an administration building.

City of Scottsdale, Transfer Station Technology Options Design, Scottsdale, AZ. As project engineer, Tom evaluated technology options and prepared conceptual layout alternatives for the City of Scottsdale, Arizona 500 tpd transfer station. The technology options included open top, compaction, surge pit, walking floors, and conveyors.

South Central Solid Waste Authority, Solid Waste Transfer Station Design, Las Cruces, NM. As Project Manager, Tom supervised the design of 40-tpd solid waste transfer station in Chaparral, NM on a "greenfield" site that included scales, scalehouse, areas to process recyclable material, separate commercial and self-haul unloading areas, and green waste diversion areas. The \$1.5 million project was completed on a fast track schedule.

South Central Solid Waste Authority, On-Call Engineering Services, Las Cruces, NM. As Project Manager, Tom supervised the development of a Transfer Station Facilities master plan for three proposed "greenfield" transfer stations, including a new scalehouse, recycling drop-off, and transfer building for each facility.

City of Santa Fe, Permitting and Design of a 500-tpd Transfer Station, Santa Fe, NM. As Project Manager, Tom was responsible for the permitting and design of the city's 40,000+ sf, 500-tpd-transfer station in Santa Fe. The transfer station was designed with separate unloading areas for commercial and private residences. The project included the design of 1.5 miles of access roads, utilities, scale house, administration building, recycling drop-off center, constructed wetlands for wastewater treatment, and miscellaneous stormwater improvements. This \$8.7 million dollar facility was completed on a fast-track schedule.

Senior Solid Waste Engineer; Facilities Conditions Assessment; Palm Beach County Solid Waste Authority; Palm Beach County, FL. As part of a biennial facilities review in 2019 and 2021, Tom performed assessments of 4 closed landfills, 2 active landfills (Class 1 and 3), 6 active transfer stations and drop-off facilities, a green waste composting facility, a household hazardous waste collection center, seven scale houses, a maintenance facility, and administrative building. Tom visited the facilities to observe the condition of said facilities and prepared a report including a summary description, a description of the activities occurring at each facility at the time of the site visit, observations concerning the condition of each facility, and recommendations for each facility based on the site visit.

US Navy Southeast Division under Subcontract, Naval Station Guantanamo Bay (NSGB) Solid Waste Management System Assessments and Master Planning, Guantanamo Bay, Cuba. As Senior Consultant, Tom provided subject matter expertise for a comprehensive assessment and evaluation of the solid waste system and facilities, regulatory compliance, landfill siting and design, and solid waste system infrastructure improvements for a multi-stage, technical, and regulatory review of the entire NSGB waste management system. This included a week of facility and system audits and inspections on base; comprehensive summary write-ups of the current system; as well as recommendations and support to the NSGB while submitting for capital funding to cover these improvements.