

CHAPTER 39 LIST OF PREPARERS

39.1 Introduction

Henningson, Durham & Richardson Architecture & Engineering, P.C. in association with HDR Engineering, Inc. (HDR) as consultant to the DSNY provided overall management, quality control and document production responsibility for the preparation of this FEIS and provided certain of the technical and engineering analyses contained in various sections of this FEIS, as described below. HDR was assisted in this effort by the following subconsultants:

- Parsons Brinckerhoff Quade & Douglas, Inc. (PB)
- HydroQual, Inc. (HydroQual)
- EEA, Inc. (EEA)
- Urbitran Inc. (Urbitran)
- Cambridge Environmental, Inc. (Cambridge Environmental)

39.2 Prime and Subconsultant Responsibilities

The following summarizes the contributions of the prime consultant and subconsultants in the categories of environmental review presented in this FEIS.

The DSNY's design consultant, Greeley and Hansen LLC and its subconsultant team prepared the detailed designs of the eight Converted MTSs. Owners of private transfer stations (vendors) who submitted proposals in response to the DSNY's 2003 RFPs for waste export alternatives hired other consultants to prepare designs for the facilities evaluated in this FEIS. HDR evaluated the potential impacts of: (1) off-site Air Quality and Noise emissions, and Traffic and Transportation (where required) for the facilities located in Brooklyn and Queens; and (2) on-site Air Quality, Odor and Noise for facilities located in Manhattan, Brooklyn and Queens; and (3) on-site Odor in the Bronx. HDR conducted engineering reviews of the vendor-proposed options evaluated in these chapters to establish a consistent basis for analyzing all of the alternative sites/facilities considered.

PB evaluated the potential impacts of off-site Air Quality and Noise emissions, and Traffic and Transportation (where required) for the facilities located in Bronx and Manhattan; and (2) on-site Air quality and Noise for facilities located in the Bronx; and (3) on-site Noise for one facility in Manhattan. PB also conducted environmental reviews for the facilities analyzed in all boroughs in the areas of Land Use, Zoning and Public Policy, Socioeconomic Conditions, Community Facilities and Services, Open Space, Cultural Resources, Urban Design, Visual Resources, and Shadows, and Neighborhood Character.

Urbitran conducted Traffic and Transportation analyses for the facilities located in Manhattan.

HydroQual conducted environmental reviews for the facilities analyzed in all boroughs in the areas of Infrastructure, Solid Waste and Sanitation Services and Energy, Water Quality and the Waterfront Revitalization Program. HydroQual was also responsible for the assembly and final production of all graphic figures in this FEIS.

EEA conducted environmental reviews for facilities analyzed in all boroughs in the areas of Natural Resources (including Endangered Species and Habitats) and Hazardous Materials.

Cambridge Environmental provided the discussion of Public Health issues in Chapter 33.

39.3 Preparers

The following personnel contributed to the preparation of this FEIS.

39.3.1 HDR

- Daniel A. Harkins, MBA, B.A., Vice President, served as Project Manager for the FEIS effort. Mr. Harkins has 25 years of experience in the management of solid waste planning projects and solid waste facility development including procurement and permitting.
- Joyce M. Mariani, P.E., M.S. (Environmental Engineering), B.S. (Civil Engineering), Vice President, served as Assistant Project Manager for the FEIS effort with primary

responsibility for directing technical analyses in the areas of air quality, odor, noise and traffic. Ms. Mariani has 13 years of experience in solid waste/environmental review, permitting and analysis.

- Elena Barnett EIT, M.S. (Environmental Engineering), Project Engineer, served as Deputy Assistant Project Manager for the FEIS effort with assistant responsibility for directing technical analyses in the areas of air quality, odor, noise and traffic. Ms. Barnett has 7 years of experience in solid waste/environmental review, permitting and analysis.
- Lorraine Anderson, B.S. (Mathematics), Editor, served as Technical Editor for sections of the FEIS document. Ms. Anderson has 18 years of experience in technical writing and editing.
- Timothy Casey QEP, B.S. (Biology), Senior Environmental Scientist, served as a consultant to noise analysis team. Mr. Casey has 15 years of experience in noise monitoring and modeling.
- Grey Noemi Castillo EIT, M.S. (Environmental Engineering), Project Engineer, served as Task Leader for the noise analysis. Ms. Castillo has 4 years of experience in environmental analysis and site assessment work.
- Alan Cohen, Ph.D. (Industrial Engineering and Management Sciences), M.S., B.S., Vice President, served as Team Leader for the economic analysis. Dr. Cohen has 33 years of experience in systems analysis and economic modeling.
- Elo Comfort, EIT B.S (Civil Engineering), Project Engineer, served as task leader for the traffic analysis and a technical resource for facility operations. Mr. Comfort has 4 years experience in environmental analysis and civil site design work.
- Erik Grimm EIT, M.S. (Environmental Engineering), Project engineer, performed modeling for the off site air quality analysis. Mr. Grimm has 1 year of experience with air quality modeling.
- Bruce Howie, P.E., M.S. (Chemical Engineering), Senior Project Engineer, served as Task Leader for the off-site air quality analysis and a technical resource on the facility designs. Mr. Howie has 7 years of experience in air quality analysis work and 5 years of experience in solid waste facility design/operation work.
- Edward Liebsch, M.S. (Meteorology), B.A. (Earth Sciences), Senior Air Quality Scientist, served as Team Leader for air quality analyses. Mr. Liebsch has 24 years of experience in air quality analysis and permitting.
- Stephanie C. Nakai, B.A. (Geology), Hydrogeologist, served on the noise analysis team. Ms. Nakai has 2 years of experience in environmental analysis and site assessment work.

- Mike Parsons, EIT, B.S. (Civil & Environmental Engineering), Environmental Engineer, served as a consultant to noise analysis team. Mr. Parsons has 5 years of experience in noise modeling and monitoring.
- Beth Regan, CIH, B.A. (Biology), Environmental Scientist, served as technical resource for Noise Analysis. Ms. Regan has 4 years experience in stationary and mobile noise source monitoring and modeling.
- Geneen Robbins, Project Assistant, served as document control and production manager for the FEIS. Ms. Robbins has 13 years of experience in administrative assistance.
- Bonnie Shulman, B.S. (Hotel, Restaurant, and Travel Administration), Editor, served as Technical Editor for sections of the FEIS document. Ms. Shulman has 23 years of experience in technical writing and editing.
- Udomlug Siriphonlai EIT, M.S. (Chemical Engineering), Project Engineer, served as Task Leader for the stationary air quality analysis. Ms. Siriphonlai has 4 years of experience in solid waste, environmental analysis and site assessment work.
- Thomas Young, B.S., Environmental Scientist, served as Associate Scientist for the FEIS effort. Mr. Young has 3 years of experience in water and wetland resources and field technologies.
- Scott Zilka, B.S. (Meteorology), Senior Environmental Scientist, served as a technical resource for air quality analyses. Mr. Zilka has 11 years of experience in mobile and stationary air quality analysis.

39.3.2 PB

- C.G. Balachandran, Ph.D., M.P., B.S., Lead Noise and Acoustic Specialist, served as PB Team Leader for noise analysis. Mr. Balachandran has 39 years of experience in noise, vibration, and architectural acoustics.
- James R. Brown, B.S., Vice President, served as PB Principal-in-Charge for the FEIS effort. Mr. Brown has 30 years of experience in managing projects in the environmental and planning fields.
- Helen Ginzburg, M.S., Senior Air Quality Scientist, conducted mobile and stationary air quality analyses. Ms. Ginzburg has 22 years of experience in air quality studies, mathematical modeling, and environmental impact statement preparation.
- Cade Hobbick, AICP, M.U.P, B.A., Senior Planner and certified Project Manager, has 8 years experience in planning and environmental analysis and served as PB Deputy Project Manager in the FEIS effort. Mr. Hobbick conducted and led land use and related studies.

- Sandor Juhasz, B.S., Senior Environmental Engineer, conducted field noise monitoring and equipment noise measurements, and performed stationary source noise analysis. Mr. Juhasz has five years noise experience in PB.
- Vadim Kogan, Ph.D., M.S., Senior Environmental Engineer, conducted stationary air quality analyses for the FEIS effort. Mr. Kogan has 30 years of technical experience in the air quality field.
- Sam Less, AICP, M.S., B.A., Senior Project Manager, assisted the PB Project Manager, providing QC for planning and environmental tasks. Mr. Less has over 20 years of experience in the field of environmental analysis.
- Jules Loweff, M.C.R.P., B.A., Supervising Planner, provided GIS support for the FEIS effort. Mr. Loweff has more than 19 years of experience with geographic information systems for urban applications, regional economic development and planning environmental studies.
- Arthur Morrone, M.S., B.S., Lead Meteorologist/Environmental Scientist, assisted in noise analysis. Mr. Morrone has 20 years of experience in traffic noise impact assessment and abatement.
- Stamatia Petsios, B.S., Lead Air Quality Engineer, conducted mobile air quality analysis. Ms. Petsios has 20 years of experience in the air quality analysis of mobile sources for diverse transportation projects.
- Esther R. Schwalb, M.S., B.A., certified Project Manager, served as PB Project Manager for the FEIS effort. Ms. Schwalb has 22 years of experience in preparing environmental impact statements for public programs and private development projects.
- Luc Senh, M.S., B.E., Lead Transportation Engineer, served as PB Deputy Team Leader for traffic analysis. Mr. Senh has 14 years of experience in transportation engineering planning.
- Joseph N. Setteducato, P.E., M.S., B.S.C.E., Senior Traffic Engineering Manager, served as PB Team Leader for traffic analysis. Mr. Setteducato has 30 years of experience in the planning and analysis of transportation facilities
- Joel Soden, P.E., D.E.E., M.S., B.S., Senior Supervising Air Quality Engineer, served as PB Team Leader for mobile and stationary air quality analysis. Mr. Soden has 30 years of experience in air quality analysis.

39.3.3 HydroQual

- J John P. Cariou, served as a GIS/CAD Analyst and was involved in the preparation of maps and figures. Mr. Cariou has 10 years of experience in Geographical Information Systems (GIS) and computer aided drafting (CAD).
- Charles L. Dujardin, M.E. (Environmental Engineering), B.Ch.E. (Chemical Engineering), served as the Water Quality Project Director and was involved in addressing water quality issues. Mr. Dujardin has 32 years of experience of water quality studies and mathematical modeling, primarily within the New York/New Jersey metropolitan region.
- Brian S. George, M.P.S. (Environmental and Resources Engineering, Mapping Sciences), B.S. (Environmental Studies, Information and Technology) served as a GIS Analyst and was involved in the preparation of maps and figures. Mr. George has 8 years of experience in GIS and programming.
- Kevin D. Keane, M.S. (Plant Pathology), B.A. (Biology), served as the overall HydroQual Project Leader and was involved in addressing Waterfront Revitalization and Infrastructure and Energy issues. Mr. Keane has 20 years of experience in environmental licensing and permitting and environmental impact assessment.
- Eileen T. La Rosa, B.S. (Wildlife Biology), served as the Waterfront Revitalization Analyst and was involved in addressing waterfront policies. Ms. La Rosa has 6 years of experience in natural resources and environmental permitting.
- Eileen F. Lucier, B.S. (Environmental Engineering), served as a Water Quality Analyst and was involved in water quality modeling and addressing water quality issues. Ms. Lucier has 6 year of experience in environmental science and water quality.
- Virginia A. Michelin, B.S. (Environmental Planning and Design), served as the Project Manager and was involved in the preparation of maps and figures and coordinated GIS activities as well as coordinating the day-to-day activities. Ms. Michelin has 9 years of experience in environmental planning and GIS development.
- Maureen C. Migliorini, M.S. (Environmental Engineering), B.S. (Biology), served as Water Quality Task Leader and was involved in addressing water quality issues. Ms. Migliorini has 24 years of experience in water quality studies, mathematical modeling, wastewater treatment, site investigations and remediation.
- Melissa E. Morrone, B.S. (Environmental Engineering), served as an Infrastructure and Energy Analyst and was involved in addressing infrastructure issues, specifically water/wastewater, solid waste, and power requirements. Ms. Morrone has 4 years experience in environmental engineering.

- Philip W. Simmons, B.A. (Environmental Studies), served as the Infrastructure, Solid Waste and Sanitation Services, and Energy Existing Conditions task leader and was involved in addressing infrastructure issues, specifically waste/wastewater, solid waste, and energy requirements. Mr. Simmons has 13 years of experiences in environmental operations, permitting and solid waste management.

39.3.4 EEA

- Robert Clifford, Jr., REP, B.S., M.S., Senior Environmental Scientist, served as Senior Investigator for the FEIS effort. Mr. Clifford has 15 years of experience in assessment and remedial evaluation, regulatory compliance audits, permitting of air, water, and wetland discharges and environmental management systems.
- Richard Fasciani, B.A., Environmental Scientist, served as Investigator for the FEIS effort. Mr. Fasciani has 6 years of experience.
- Leland Hairr, B.S., M.S., Ph.D., Principal, served as QA/QC Reviewer for the FEIS effort. Dr. Hairr has more than 25 years of experience in the fields of hazardous materials, air pollution, and environmental noise.
- Anthony Lucchese, B.S., M.S. (Pending), Senior Environmental Scientist, served as Investigator for the FEIS effort. Mr. Lucchese has 12 years of experience.
- Todd McArthur, B.S., M.S., Senior Environmental Scientist, served as Investigator for the FEIS effort. Mr. McArthur has 10 years of experience.
- Michelle Nannen, M.S., Marine Ecologist, served as Environmental Scientist for the FEIS effort. Ms. Nannen has 3 years of experience in marine and environmental investigations.
- Laura Schwanof, R.L.A., B.S., Environmental Scientist, served as Environmental Scientist for the FEIS effort. Ms. Schwanof has 18 years of experience related to natural resources inventory, environmental planning and design.
- Allen Serper, P.E., B.S., M.S., Principal, served as Principal Engineer for the FEIS effort. Mr. Serper has more than 30 years of experience in solid waste management studies (i.e., economic, technical and environmental assessments of landfills and resource recovery/combustion disposal facilities).

- Jeffrey Shelkey, B.S., Senior Environmental Scientist, served as Project Manager for the FEIS effort. Mr. Shelkey has 18 years of experience in technical and program management of remedial action cleanups, site closures and corrective actions at active and inactive hazardous waste sites.
- Neal Stark, A.S., B.A., M.A.L.S., Environmental Scientist, served as Senior Scientist for the FEIS effort. Mr. Stark has 15 years of experience.
- Roy Stoecker, B.S., M.S. Ph.D, Principal, served as Principal Scientist for the FEIS effort. Dr. Stoecker has more than 25 years of experience in the fields of wetlands and marine ecology, water quality, and environmental health.

39.3.5 Urbitran

- Shakil Ahmed, NICET III, M.S., N.E.D, B.A., Supervised the traffic analysis technical work for transfer stations. He has 15 years of experience in traffic analysis.
- Charles Benson III, A.I.C.P., B.S., Mr. Benson has had 8 years in various project management roles on transportation planning projects. He provided general oversight for transfer station trip generation and access analyses.
- David Cuff, M.U.P., B.A., Mr. Cuff was responsible for the alternative fuels analysis. He has 6 years of experience preparing environmental assessments and analysis of transit operations.
- Elizabeth Johnston, B.A., prepared the enforcement section of the commercial waste study. Ms. Johnston, has 2 years of experience preparing environmental assessments.
- Robert Michel, A.I.C.P., M.C.P., M.A., B.A., served as project team leader on the Urbitran tasks. Mr. Michel has had over 18 years of experience in preparing planning, environmental and transportation studies.
- H. Joon Park, P.E., Ph.D., M.S., served as primary traffic engineer on MTS studies, including preparation of truck trip generation estimates and highway capacity analyses. Mr. Park has approximately 5 years of experience with Urbitran.

39.3.6 Cambridge Environmental

- Sarah R. Armstrong, M.S. (Biology), M.S. (Health Policy and Management), D.A.B.T., Senior Scientist, served as task manager and primary writer for the public health analysis. Ms. Armstrong has 14 years of experience in environmental toxicology and risk assessment.
- Laura C. Green, Ph.D. (Food Science and Technology), D.A.B.T., President and Senior Scientist, served as a contributor and technical reviewer for the public health analysis. Dr. Green has more than 20 years of experience in toxicology, risk assessment, and risk communication.