PROJECT TEAM

CRA's project team will include personnel who have significant experience with landfill and vapor intrusion projects in USEPA Region 5, particularly in Ohio. CRA will make available its entire company-wide resources to address project requirements as required.

The contact information for Waterloo, Ontario team members, including the designated Project Coordinator, is:

Conestoga-Rovers & Associates
651 Colby Drive
Waterloo, Ontario
N2V 1C2
Telephone: (519) 884-0510
Fax: (519)884-0525

CRA's project team will include the following individuals.

Principal-in-Charge/Project Manager – Stephen M. Quigley, P.E. (Waterloo, ON)
Mr. Quigley will act as the Project Manager and will be responsible for ensuring that the goals and objectives of the project are met and the appropriate resources are available for the project team. Mr. Quigley will participate in agency negotiations and other project activities.

Mr. Quigley is a principal and Corporate Secretary of CRA and is a licensed professional engineer [licensed in Ontario, Newfoundland and Labrador Canada; Maryland, New Hampshire, Delaware, and Arizona, USA (environmental)]. Mr. Quigley's environmental engineering professional practice includes special emphasis on sustainable business practices, industrial regulatory compliance including air emissions permitting/modeling, hazardous waste site investigation and compliance, due diligence in property transactions, cross-border (Canada/US) environmental compliance, and expert witness testimony. Specific project experience encompasses environmental footprint and environmental impact analyses, site characterization and remedial design for contaminated industrial and hazardous waste sites, regulatory compliance and permitting at chemical process plants, construction of remedial systems, negotiations with regulatory agencies, and management of multi-site, multi-location due diligence programs and databases.

Project Coordinator - Adam C. Loney (Waterloo, ON)

Mr. Loney will act as the Project Coordinator and will be monitor the progress of work tasks assigned to other project team members on an ongoing basis with due regard for quality, budget, and schedule.

Mr. Loney is a Principal with CRA in the Sustainability, Compliance, and Air Departments and is the Manager of CRA's Greenhouse Gas Assurance Services Group. Mr. Loney has over 14 years of practical experience with compliance assessment; greenhouse gas emissions assessment, validation, and verification; life cycle analysis; air quality and ambient air quality monitoring and water and wastewater assessment, and is a licensed professional engineer in the Province of Ontario.

Mr. Loney's professional practice encompasses all aspects of environmental engineering, with special emphasis on corporate sustainability, greenhouse gas emissions inventories and abatement, air emissions permitting/modelling, and life cycle assessment.

Mr. Loney has significant experience in industrial regulatory compliance including wastewater compliance assistance, hazardous waste site investigation and compliance, and due diligence in property transactions. Specific-project experience includes site characterization and remedial design for contaminated industrial and hazardous waste sites, regulatory compliance and permitting at manufacturing and chemical process plants, construction of remedial systems, negotiations with regulatory agencies, and management of single and multi-site due diligence programs.

Project Engineer - Douglas Gatrell, P.E (Plymouth, MI)

Mr. Gatrell is an Associate and has been with CRA for more than 12 years. Mr. Gatrell is a civil and environmental engineer with over 19 years of experience primarily in the solid waste industry. In particular, his expertise includes landfill construction including implementation of geosynthetic materials in single and double-composite liner systems, landfill gas management and evaluation, landfill design and master planning, preparing construction drawings and technical specifications, and permitting. Mr. Gatrell is a key member of CRA's Solid Waste Management Group, which is responsible for projects in the United States and Canada. Mr. Gatrell has completed landfill construction projects, gas collection and control system master planning and incremental staged expansions, staged cell development, cell liner and leachate collection systems, final cover systems, and vertical and horizontal expansions at both municipal solid waste (MSW) and ash monofills. Mr. Gatrell is a registered professional engineer in the state of Ohio as well as other states, and is versed in several additional engineering disciplines should the need arise.

Mr. Gatrell is involved in general civil engineering projects including remediation design, implementation and management. Projects have involved vapor intrusion mitigation involving blower systems for residential (apartment complex), commercial (hotel), and public buildings (elementary school); also involved in implementation of remediation systems such as soil vapor extraction and air sparge projects in Anchorage and Fairbanks, Alaska remediating petroleum related issues. Other remediation project examples include mitigating methane migration to protection of groundwater using creative engineering applications of historical to up-to-date techniques such French drains and geomembrane materials, respectively. These types of projects are typically multi-disciplined (civil, geotechnical, mechanical, structural) engineering applications to which Mr. Gatrell is well versed.

Project Engineer – Valerie A. Chan (Waterloo, ON)

Ms. Chan will act as a Project Engineer. Ms. Chan has extensive experience with environmental sample program design and implementation, coordination of field investigation programs, and report preparation.

Ms. Chan is a licensed professional engineer in the Province of Ontario, and has over 8 years of environmental consulting experience with CRA. Her primary duties include coordinating and conducting Phase II ESAs; soil and groundwater sampling; managing contractors for investigations and remedial activities; managing analytical requirements for soil, groundwater, and air investigations; and reviewing and validating laboratory analytical data. Ms. Chan has prepared numerous Phase II ESA Reports for facilities throughout Ontario. Ms. Chan has assisted with the validation of small- and large-scale projects under the United Nations Framework Convention on Climate Change (UNFCCC) Clean Development Mechanism (CDM) program. Specific project experience includes environmental investigations, site characterization for contaminated industrial and hazardous waste sites, and regulatory compliance.

Project Engineer – Nicole R. Shanks (Plymouth, MI)

Mrs. Shanks is an engineer in the Plymouth, Michigan office and has been with the firm since 2005. Mrs. Shanks has a B.S. degree in Geological Engineering from Michigan Technological University. Mrs. Shanks originally started at CRA as a field technician and has performed numerous soil, soil gas, and groundwater investigations. Mrs. Shanks currently serves as a project coordinator and design engineer for a variety of solid waste projects.

Quality Assurance / Quality Control (QA/QC) – Angela Bown (Cincinatti, OH)

Ms. Bown will act as the QA/QC officer and project chemist. Ms. Bown has been a project chemist at CRA since November of 2004, having spent the previous 14 years working in an analytical laboratory for a Department of Energy site in the Cincinnati,

Ohio area and an additional 18 months before that working in a full service environmental laboratory, also in the Cincinnati area. Her current duties include analytical program management, data validation, and Quality Assurance Project Plan (QAPP) preparation using the Uniform Federal Policy (UFP) guidelines.

Ms. Bown has experience setting up analytical programs with various laboratories across the country and performing data validation for multiple analytes and matrices for environmental projects using various data validation guidelines. Ms. Bown also routinely reports the monthly Discharge Monitoring Report for a Superfund site in the Cincinnati area using the Ohio Environmental Protection Agency (OEPA) eBusiness Center website.

Health & Safety - Colleen Conlon (Niagara Falls, NY)

Ms. Conlon joined CRA in 2006 to take over corporate management of our health and safety programs. Ms. Conlon has over 20 years experience in this field. She is managing all aspect of CRA's internal Safety and Health system, which includes compliance with federal, provincial, and state safety and health regulations and a behavior-based loss prevention system. Ms. Conlon will coordinate CRA's regional health and safety officer approach and management of the CRA SMART programs.