

Exhibit A
Resume of Geoffrey Clark, PG, LSRP



Geoff Clark, PG, LSRP

Project Manager

Qualified: M.S., Environmental Geology (concentrations in Chemistry, Hydrogeology), 2002; B.A., Geology (Concentration in Mathematics), 1995

Connected: Licensed Site Remediation Professional: NJ; Professional Geologist: PA; Licensed Site Remediation Professional Association; NJDEP EPHC Technical Committee.

Professional Summary: Mr. Clark has over 20 years of experience primarily in environmental investigation and remediation at Sites throughout the mid-Atlantic region, specializing in New Jersey and New York. His additional experience includes completion of EA and EIS under NEPA, SEQR, and CEQR; DPCC/DCR and SPCC Spill Prevention Plans; due diligence investigations and environmental baseline assessments; and, water supply projects. Wherever possible, Mr. Clark has employed site conceptual models and innovative technologies to streamline the path to Site regulatory closure and permit approval.

Environmental Remediation

Project Manager

Port Ivory Remediation | Port Authority of NY & NJ | Staten Island, NY

Project Manager for the largest Voluntary Cleanup Program site in New York. The project involved the investigation of soil, surface water, sediment, groundwater, soil vapor, and indoor air to complete a Remedial Investigation. Conducted an Interim Remedial Measure to remove mobile LNAPL. Successfully negotiated with the NYSDEC to remove only mobile LNAPL and leave immobile LNAPL in place with administrative controls. Prepared a Remedial Action Work Plan (RAWP) that underwent a public review/comment process and was approved by the NYSDEC. The remedial actions will include the construction of engineering controls (asphalt or concrete pavement or one foot of clean cover), excavation of soil in discrete "hot spots", removal of mobile LNAPL, establishment of a Deed Restriction, and sub-slab venting systems to mitigate potential vapor intrusion issues. Prepared the Deed Restriction, Site Management Plan, and Final Engineering report in support of the Certificate of Completion. Successfully petitioned the NYSDEC to drop the required annual groundwater and surface water sampling at a closed landfill at the site. Assisted in the design of a floating debris barrier. Assisted in the construction of a stabilized shoreline along the Arthur Kill.

Project Manager and LSRP

Former FMC Site | FMC Corp. | Carteret, NJ

Project Manager for the completion of a remedial investigation and remedial action at a former pesticides manufacturing facility. Utilized statistical evaluation of soil sampling data to determine what sampling results were and which were not attributable to historic fill. Assisted with the development of the Site Conceptual Model to demonstrate successful delineation of soil and groundwater. Installed impervious cover and, to address volatile organic compounds in soil at concentrations above their respective impact to groundwater standards, a

horizontal vent line. Completed a vapour intrusion investigation.

Project Manager

Former Tube Manufacturing Facility | Gibson Tubes | Bridgewater, NJ

Project Manager for the investigation of groundwater impacted by chlorinated VOCs in overburden, weathered bedrock, and fractured bedrock water bearing zones. Rather than attempting vertical and horizontal delineation by repeatedly stepping out from existing wells, a process that is usually inefficient and costly in a fractured bedrock aquifer, proposed a Remedial Investigation that used geophysical techniques to identify important fracture zones and the Water FLUTE™ liner/discrete zone sampler to characterize groundwater quality along the hydraulically-important fractures. The Remedial Investigation Work Plan was approved by the NJDEP with minor revisions and has been implemented. A thorough three-dimensional model with hydraulic head and contaminant distribution indicated the presence of a diving plume. A source area remedial investigation was proposed, with enhanced biological (anaerobic dehalogenation) remediation as the remedy. Completed a Vapor Intrusion Investigation at adjacent residences and industrial/commercial buildings. No vapor intrusion issues have been identified.

Project Manager

Harley-Davidson Facility Remediation | Harley-Davidson Motor Company | York, PA

Field Supervisor and Data Manager for a complex RCRA site. Responsible for implementation and oversight of field activities. An extensive remedial investigation was conducted that involved groundwater sampling, soil sampling, air sampling, soil gas sampling, concrete chip sampling, wipe sampling, and surface water and sediment sampling. The investigation also included a quantitative dye tracer test program. As Data Manager, created and maintained an ArcView Geographic Information System (GIS) summarizing sampling results. The GIS was used to



assist in identifying fracture traces and in preparation of a supplemental remedial investigation work plan.

Project Manager
Former Levey Ink Site | Glenn Springs Holdings, Inc. | South Brunswick, NJ

Project manager for the remedial investigation and remedial action selection at this former ink and dye manufacturing facility. At the start of GHD's work, the extent of soil, groundwater, and sediment impacts was not known. Completed delineation, including a cost-effective three-dimensional plume map via geophysical and packer testing at four bedrock borehole locations. Assisted with obtaining access agreement to install off-Site wells. Demonstrated that the vertical extent of groundwater in fractured bedrock was limited to the shallow bedrock. Oversaw the ecological and human health risk assessments. Obtained a two-year extension for the RI Report due date, and completed the RI on time.

LSRP
Getty Portfolio | Phillips 66 Company | Various Municipalities in NJ

Licensed Site Remediation Professional (LSRP) for 20 former gasoline service station Sites throughout New Jersey. Completed the remedial investigations and remedial actions at a number of these sites. Used soil gas database information to demonstrate that the NJDEP gasoline exclusion for benzene in soil gas should be extended to ethylbenzene. Identified source areas to allow for soil excavation and rapid attenuation of groundwater impacts and successfully negotiated with current property owners regarding responsibilities for cleaning up remaining impacts. Closed a number of the sites in the portfolio through issuance of unrestricted use Response Action Outcomes (RAOs) for specific AOCs.

Project Manager
Stepan - Fieldsboro | Stepan Company | Fieldsboro, NJ

Installed a high vacuum dual phase extraction system in an area with VOC impacts to soil and groundwater. System operation lowered groundwater elevation by nearly 20 feet from static conditions. Significant vapor mass removed from subsurface. After 6 months of operations, the system was shut down for 3 weeks. Groundwater found to be acidic, so neutralization system installed. Neutralization successfully raised pumped groundwater pH from under 3 to over 6.7. Groundwater sampling showed mass reductions of up to 97 percent with no rebound. In conceptual design stage for SVE and chemical oxidation technologies for different AOCs.

Project Manager
Stepan - Maywood | Stepan Company | Maywood, NJ

Completed the overpacking and re-location of drums containing low-level radioactive soil into an on-Site sea box. Assisted in the development of a Pre-Design Investigation Work Plan, which includes options for compliance averaging soil sampling results and which was approved by the EPA. Assisted in the development of a Statement of Work for off-Site groundwater investigation in the bedrock. The Statement of Work was approved, and is being implemented. Assist plant with waste characterization as necessary.

Senior Hydrogeologist
Former Central Gas Works | Public Service Electric & Gas | Edison, NJ

Site Safety Officer and Field Supervisor during the implementation of a Modified Site Investigation. Responsible for the quality of fieldwork performed by staff and subcontractors as well as for maintaining the budget and project schedule. The investigation included excavation of test pits, removal of underground storage tanks (USTs), drilling of soil borings and bedrock core holes, and installation of monitoring wells. During the investigation, the presence or absence of product was determined via hydrophobic dye shake tests using Sudan IV. Subsequent to the investigation, completed a hazard assessment of ferric ferrous cyanide present on the land surface, and completed a Health and Safety Plan (HASP) for construction activities.

Senior Hydrogeologist
Newton 1 MGP Site | Jersey Central P&L | Newton, NJ

As Senior Staff Hydrogeologist, assisted in the management and implementation of a Phase II Remedial Investigation at this former manufactured gas plant (MGP). Responsible for the implementation of field activities by staff and subcontractors, as well as planning technical aspects of the project. This complex and multi-mobilization investigation focused on DNAPL contamination of fractured carbonate bedrock. Tools used in the investigation included installation of soil borings and core holes, packer testing, and oriented coring. Based on data gathered during previous mobilizations, located horizontal delineation wells (i.e., location and depth within the bedrock aquifer) and designed a drilling procedure for installation of a vertical delineation well in the DNAPL source area. Completed a Phase II Site Investigation Report. Explored the potential for obtaining a Technical Impracticability Waiver for remediation of the DNAPL in fractured bedrock.



Environmental Impact Statements

Project Manager
Hazardous Materials Section, NYCT Port Expansion | NY Container Terminal | Staten Island, NY

Project Manager for the preparation of the Hazardous Materials section of the EIS for NYCT's Berth 4 Project in accordance with the City Environmental Quality Review (CEQR) Manual dated October 2001. Currently, approximately 69 acres (55 percent) of the P&G Port Ivory facility has been redeveloped and is used for container storage, warehousing, and truck chassis storage. Proposed improvements included increasing the size of the Howland Hook Marine Terminal from 187 acres to 300+ acres and increasing the berth length along the Arthur Kill from 3,000 feet to approximately 4,350 feet. At the onset of the project, potential data gaps were identified (i.e., outstanding Phase I Environmental Site Assessment for certain parcels) and the additional data gathering efforts were integrated into the scope of work, minimizing the overall cost and time for the completion of this project.

Project Manager
Confidential Development | Confidential Client Bergen County, NJ

Assisted in the preparation of an Environmental Impact Statement (EIS) under NEPA in support of a proposed multi use facility. Authored numerous sections of the EIS, including existing and with-action demographics, existing solid waste facilities, existing and with-action environmental/hazardous material conditions, and existing and with-action utility infrastructure.

Project Manager
NYC Public Library Consolidation | Confidential Client | New York City, NY

On behalf of a confidential attorney who represented a group opposed to public library consolidation, reviewed an Environmental Assessment that was prepared under CEQR on behalf of the New York City Public Library. The EA assessed the closure of two branch libraries, the re location of collections between branch libraries, and the sale of the closed library branches for use in commercial or residential purposes. The review assessed hazardous substances, traffic conditions, and community impacts under existing and proposed conditions. Based partially upon the EA review, the library consolidation plan was blocked.

Project Manager
NYC Parking Deck Demolition | Confidential Client | New York City, NY

On behalf of a confidential attorney who represented a group opposed to demolition of parking garages in Manhattan's Upper West Side, reviewed documents that

assessed with change scenario for parking, geotechnical suitability for high-rise construction, and hazardous materials aspects of an EA under CEQR. Identified potential shadow, economic, and hazardous materials issues that were not identified in the documents reviewed.

Project Manager
American Museum of Natural History Expansion | Confidential Client | New York City, NY

On behalf of a confidential attorney who represented a group opposed to expansion of the American Museum of Natural History (AMNH) in Manhattan's Upper West Side, reviewed the Final EIS, responses to comments, and other documents that assessed the existing and with-action conditions. Identified potential transportation, economic, hazardous materials, and construction (traffic and noise elements) issues. Deliverable was a memo and affidavit.

DPCC Plan Preparation and Renewal

Project Manager
Various Sites | Various Municipalities, NJ

Assisted in the successful renewal of DPCC/DCR Plans for water treatment facilities, chemical plants, and petroleum product and lubricant plants. DPCC/DCR Plans frequently included innovative techniques, such as use of temporary containment or even just visual inspection without containment for filling areas for small heating oil tanks and scheduling deliveries around precipitation events so that containment areas did not need to be enlarged.

Work history

January 2013 – present	GHD Services, Inc., Edison, NJ
2001 – 2013	Bureau Veritas North America, Inc., Edison, NJ
2004 – 2011	Hatch Mott MacDonald, Inc., Millburn, NJ
1997 – 2004	Langan Engineering and Environmental Services, Inc., Elmwood Park, NJ