

# ENVIRONMENTAL

## SITE ASSESSMENTS, INVESTIGATIONS & REMEDIATION



It is essential to identify environmental concerns as early as possible, and to understand the nature and extent of the contamination to minimize the potential impact to adjacent areas. That way the contamination can be more effectively managed, minimizing the impacts to cost, schedule, and potential litigation.

**Equity provides innovative and cost-effective solutions for environmental remediation, engineering and construction needs.**

We have extensive experience in conducting investigations and site assessments to evaluate contamination from a variety of release sources. We work with our clients to identify risks and develop plans to mitigate those risks.

Equity helps clients manage a wide range of contaminants including chlorinated volatile organic compounds (CVOCs), polyaromatic hydrocarbons (PAHs), and emerging contaminants such as PFAS/PFOS.

We develop solutions for complex issues such as vapor intrusion, sediment contamination, hazardous waste, and redevelopment in an ever-changing regulatory environment.

We work on projects of all scopes and sizes including

large industrial, chemical and manufacturing properties, large-scale mixed-use developments, corporate and institutional campuses, entire portfolios of properties as well as individual lots and single-use buildings.

Our approach is to examine and analyze site-specific conditions, local, state and federal regulatory requirements, and stakeholder concerns to develop the best possible outcome for each site.

We offer a variety of disciplines to assist with all of our clients' environmental needs including planning processes and approvals, investigation of existing conditions, development of remedial work plans, remediation design, and oversight of construction.

## OUR SERVICES

- Phase I Environmental Site Assessment
- Property Condition Assessment
- Licensed Site Remediation Professionals
- Soil and Groundwater Delineation
- Phase II Site Investigation
- Remedial Investigation Work Plans
- Remedial Investigation Reports
- Remedial Action Work Plans
- Remedial Design
- Agency Negotiations
- Industrial Site Recovery Act (ISRA)
- Shareholder Presentations
- UST/AST
- Vapor Intrusion
- Air / Noise Monitoring
- Remediation Construction Management

# LICENSED SITE REMEDIATION PROGRAM (LSRP)



The New Jersey Department of Environmental Protection (NJDEP) Licensed Site Remediation Program (LSRP) is one in which experienced environmental professionals are certified to guide and control the remediation of contaminated sites to completion with minimal or no NJDEP oversight. The program is modeled after the highly successful LSP and LEP programs in MA and CT, respectively. The program went in to effect on May 7, 2012 and there are approximately 550 permanently licensed LSRPs. Anyone responsible for conducting remediation of a site shall be required to retain a LSRP. Remediation is used as a general term in New Jersey for activities from a Preliminary Assessment through actual Remedial Action.

## EQUITY'S TEAM INCLUDES MULTIPLE LSRPS

## CLIENTS INCLUDE

Honeywell

New York City Housing Authority

Metso Minerals Industries

Procida Companies

GHD Group Pty Ltd

Jacobs Engineering Group

Raritan Township

CAMBA Housing Ventures

SKA Marin

St. Nick's Alliance

## RECENT PROJECTS

### FMC CORPORATION

#### AS NEEDED ENVIRONMENTAL SERVICES, NJ

Equity is providing as-needed services for FMC Corporation at two Sites in NJ. Beyond maintaining compliance with NJDEP and EPA RCRA 2020 Site regulations, conferring with the Client on remedial strategy, and representing the client at meetings with regulators and stakeholders.

Equity completed the following remedial tasks: preparation and submittal of the RAWP and subsequent RAWP Addendum; Deed Notice; Remedial Action Reports; Remedial Action Permit (RAP) Applications for Soil; RAP Applications for Groundwater; Biennial Certification forms for Soil; RAP Applications for Groundwater; and Vapor Intrusion Investigation documentation.

We delineated soil and groundwater vertically and horizontally. We addressed emergent issues as they arose, successfully working within tight time frames. Such issues included identification of an unknown underground storage tank (UST) and developing a strategy to characterize an unanticipated non-aqueous phase liquid (NAPL).

Equity continues to drive these Sites towards regulatory closure, while effectively addressing issues that emerge during the course of the work.

## PHASE I ENVIRONMENTAL SITE ASSESSMENTS FOR 90 BUILDINGS IN THREE MONTHS FOR NYCHA

Equity was selected to conduct Phase I Environmental Site Assessments (ESAs) for approximately 90 buildings in Brooklyn for the New York City Housing Authority.

**The project was completed in just 3-months from June to August 2021.**

In a short timeframe, Equity completed 15 separate Phase I ESAs in accordance with the ASTM International Standard 1527-13. That standard encompasses the All-Appropriate Inquiry (AAI) regulation, 40 CFR Part 312, of the United States Environmental Protection Agency (USEPA), which is required to qualify for certain innocent landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

The project consisted of grouping the various buildings for the purposes of obtaining the necessary regulatory database reports. We compiled twenty-five separate database reports which consist of a regulatory radius report, Sanborn Fire Insurance and topographic maps, aerial photographs and city directories.

These reports were then allocated to the appropriate building groups for analysis. In addition, various websites were searched for information on the buildings. The inspections of each building were conducted with a NYCHA employee, searching for Recognized Environmental Conditions (RECs) such as underground storage tanks, oil spills, chemical spills, etc. Following the building inspections, daily debriefs were provided to the NYCHA Project Manager. A photographic record of the inspections was made for each building.

The ESA reports were then prepared for each building including tables listing the building demographic (block, lot, size, number of buildings, etc.). A separate table was created listing the findings of the inspections for the typical categories for an ESA report. The reports include historic and current uses of the property and adjoining properties, observations made during the inspections, information provided by the NYCHA employee during the inspections or from the NYCHA PM, an analysis of the database information, and a review of previous environmental reports if any were made available.



Equity is assisting our client in meeting requirements of the Industrial Site Recovery Act (ISRA). We were tasked with completing a streamlined and efficient remediation, in order to facilitate a pending property transaction.

To date, we have completed

- Preliminary Assessment (PA),
- Site Investigation (SI)
- Initial Receptor Evaluation (IRE)
- Public Notice Requirements

The case is in the Remedial Investigation (RI) phase of work, and Equity has used field observations and a site conceptual model to streamline the RI. We delineated soil and groundwater vertically and horizontally. Field personnel skillfully identified the presence of a bedrock and weathered bedrock ridge that forms an effective barrier to migration of impacted groundwater. In concert with a successful geophysical survey that identified a dry well and associated piping, temporary wells, and a targeted soil investigation.

Our remedial strategy includes preparation of an RI Report and associated NJDEP forms, treatment or excavation of the source area as an interim remedial measure (IRM), preparation of a RAWP to document proposed MNA and institutional controls for soil and groundwater, quarterly groundwater monitoring, filing a Deed Notice, and obtaining RAPs for Soil and Groundwater.



## ABOUT EQUITY ENVIRONMENTAL ENGINEERING

Equity Environmental is the only firm you need for your most complex planning and environmental needs. We have experienced staff with an array of professional certifications such as professional engineers, certified planners, licensed site remediation professionals, professional geologist, certified health and safety technician and certified noise specialist to name a few.

We offer clients a “one stop shop” for solutions from planning and site assessments to remediation and design. The benefit of working with Equity is that we are there with you from the beginning - through each phase of a project - gaining a complete understanding of the project and your goals along the way, and we will be by your side until project completion.

The size of our firm allows us to be nimble and quickly deploy the proper resources in a timely manner. Our clients return to Equity again and again because of our client service and strong client communications. We are not just a consultant we are a teaming partner and believe its not just your project it is our project as well.



### Awards & Recognition

2022 - Environmental Leadership Award - CIANJ  
2021 - Project Merit Award - Environmental Business Journal  
2021 - Top 3 Environmental Firms - NJBiz  
2020 - Environmental Leadership Award - CIANJ  
2019 - Environmental Leadership Award - CIANJ

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**equity environmental engineering**

WORKING TOGETHER TO DESIGN SOLUTIONS

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