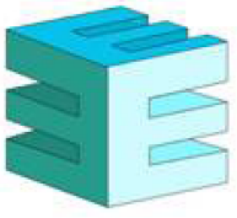


Equity Environmental Engineering



September 2009 Newsletter

September 2009



Dear Colleague,

As we go to print, Fall is here and leaves are in the air. This month we are bringing a few new articles to the newsletter. Mark London, one of Equity's Managing Directors, has started a new feature with his perspective on issues of the day. These reflect Mark's viewpoint based on more than 30 years experience in our industry, and not necessarily Equity's viewpoint. I'm sure you'll find them interesting. We are also giving you some insight into our projects with articles on some of our recent work and unique aspects of the projects. We hope that you'll call us the next time you run into similar issues on your projects.

Peter Jaran, P.E.
Managing Director

Coordination at its Finest

Incorporating a Vapor Mitigation System into a Green Design

Recently, Equity was hired to assist a client in a new LEED certified building design/construction project in Manhattan. The client purchased a property with a vacant building on it. They demolished the building in anticipation of constructing a new 12 story apartment building unbeknownst to them an underground fuel oil tank had leaked, contaminating the on site soil.

Equity was hired to conduct a Phase II Environmental Site Investigation. The investigation showed the presence of petroleum contaminated soils and elevated concentrations in soil gas. Upon review of the Phase II

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Equity Environmental Engineering LLC



Mark London

Mr. London is a Senior Scientist/ Senior Environmental Impact Analyst with over 30 years of professional experience that includes program/project management, environmental planning & assessment, site characterization and remediation, due diligence, regulatory

Report, the NYC DEP required that the client install a Vapor Mitigation System (VMS), consisting of an active ventilation system and a vapor barrier.

Equity designed the system, consisting of seven separate piping layouts and an impervious liner, which was approved by the NYC DEP. Then we coordinated the placement of the piping with the building design through a series of design meetings, with the client, architect and the construction company. We had to address the challenges of achieving adequate coverage of the individual VMS systems while running the pipes into previously designed pipe chases. One other challenge was that the exhaust fans for the VMS had to daylight at various levels in the building and had to blend in with the building architecture and still be accessible for maintenance. Additionally, the grade beams had been constructed prior to the Phase II activities. We coordinated with the construction company and the liner manufacturer to get the correct liner and drainage material and have it attached properly to the grade beams. Ultimately, Equity and the various team members were able to incorporate the aspects of the VMS into the new building.

We are ready to assist you with your next VMS design. Contact Peter Jaran at peter.jaran@equityenvironmental.com for more information on how we can help.

Greener Site Cleanups

US EPA Seeks Comment

As if in response to last month's article on sustainable remediation, the U.S. Environmental Protection Agency (EPA) is seeking public comment on a new strategy to make cleanups at hazardous waste sites greener. The Superfund Green Remediation Strategy is their initial effort to outline key actions and related activities that can be undertaken to promote green remediation including the reduction of energy costs. The strategy contains several recommendations including a requirement for the EPA to implement a series of near-term program initiatives and to establish a baseline of Superfund energy usage.

The EPA is seeking comments on items in three major categories: policy and guidance development, resource development and program implementation, and program evaluation. The comment period started on 9/9/09 and goes for 60 days; thru 11/10/09. The strategy can be found at <http://www.epa.gov/superfund/greenremediation>. If you scroll to the bottom of the page you will see where to submit comments.

The EPA has developed Principles for Greener Cleanups which call for greener approaches during any phase of site work and establish the goal of evaluating cleanup actions to ensure protection of human health and the environment while reducing the environmental footprint of cleanup activities, when feasible.

compliance, permitting, natural resource damage assessments, and wetland delineation. He is well versed in multiple regulatory programs, working primarily in New York, New Jersey, and Pennsylvania.

In July 2009, Mr. London was granted admission to the prestigious American Planning Association's Professional Institute, the American Institute of Certified Planners.



Bob Jackson

(Source: US EPA)

In August Equity celebrated our 6th Anniversary. We look forward to hearing from you in regards to the newsletter or any project related issues you may have.

Sincerely,

Peter Jaran, P.E.
Equity Environmental Engineering LLC

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