



Baseline Ecological Evaluations

- *Now Required by NJDEP for all Site Investigations under N.J.A.C. 7:26E-3.11*
- *Conceptual Exposure Models*
- *Fate and Transport Modeling*
- *Aerial Habitat Mapping and GIS*

**BRINKERHOFF
ENVIRONMENTAL SERVICES,
INC.**

MANASQUAN OFFICE

1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736
Phone: 732-223-2225
Fax: 732-223-3666
Email: LBrinkerhoff@BrinkEnv.com

MEDFORD OFFICE

133 Jackson Road, Suite D
Medford, New Jersey 08055
Phone: 609-714-2141
Fax: 609-714-2143
Email: JTaylor@BrinkEnv.com

SMITHVILLE OFFICE

29 South New York Road, Suite 600
Smithville, New Jersey 08205
Phone: 609-625-4200
Fax: 609-652-5131
Email: GDiMartinis@BrinkEnv.com

www.BrinkEnv.com

Brinkerhoff Environmental Services, Inc. consistently provides high quality environmental consulting services. Projects are completed within budget and on schedule.

Our professionals have experience conducting Baseline Ecological Evaluations (BEEs) as per the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 7:26E). We

have successfully completed BEEs at many contaminated sites, including former manufactured gas plants (MGPs), fuel storage and pipeline facilities, industrial facilities, and manufacturing facilities. Our clients include larger engineering companies, attorneys, industry, public utilities, and regulatory agencies.

Key issues during a BEE are related to the fate and transport of contaminants in surface soil, surface water, sediment, and food chain transfer. Chemicals which bioaccumulate, such as pesticides, PCBs, mercury, and selenium, are often a concern because of their tendency to impact organisms higher in the food chain. In the BEE, groundwater and subsurface soil contamination are considered, but are less of a concern if the contaminants are not discharging to a surface water body. A typical BEE includes the following:

- Evaluation of the contaminants detected at a site to identify those which are of ecological concern.
- Identification of environmentally sensitive areas on or adjacent to an impacted site.
- Identification of potential contaminant migration pathways to environmentally sensitive areas.
- Conclusions regarding the impact of contaminants on the environment, or the need for additional investigation.



A Certified Woman-Owned Small Business Enterprise (WBE/SBE)