

**CLINTON TOWNSHIP SCHOOL DISTRICT
BOARD OF EDUCATION**

AGENDA

**Special Meeting – February 16, 2011 – 7:15 AM
Round Valley School – District Office**

**PUBLICATION
OF NOTICE:**

In accordance with the provisions of the New Jersey Open Public Meetings Act, Chapter 231, Laws of 1975, adequate notice of this meeting was provided through the annual public notice on February 11, 2011:

- a. Faxing to five newspapers designated by the Board – Hunterdon County Democrat, Hunterdon Review, Courier News, Star-Ledger and Express Times
- b. Posting on the District Website, the main bulletin board in the Administration Office and in each Clinton Township School
- c. Filing with the Clerk of Clinton Township

ROLL CALL

Present:

Board Members:

_____ Jim Dincuff, President	_____ Jody Lebbing
_____ Donna Gregory, Vice President	_____ Gene Schaedel
_____ Michelle Cresti	_____ John Schaible
_____ Grace Hoefig	_____ Kevin Sturges
_____ Mark Kaplan	

Present:

District Administrators:

_____ Mr. Kevin Carroll, Superintendent of Schools
_____ Mrs. Patricia A. Leonhardt, Business Administrator/Board Secretary

**PLEDGE OF
ALLEGIANCE:**

_____ led the Board in the Pledge of Allegiance.

PRESIDENT'S COMMENTS/REPORT

RECOGNITION OF THE PUBLIC

FACILITIES/FINANCE:

Mark Kaplan – Chair, Grace Hoefig, Gene Schaedel & Kevin Sturges
Action Items 11-FF-100

***BE IT RESOLVED** that the Board of Education, upon receipt of fifteen (15) responses as a result of its Request for Proposals for an Environmental Audit at Patrick McGaheran School, and upon the recommendation of the PMG Environmental Ad Hoc Committee regarding the three finalists, does hereby award the scope of services as outlined in their proposal dated January 28, 2011, to Brinkerhoff Environmental Services, Inc. of Manasquan, NJ, for a fee of \$ 7,200.*

ADJOURNMENT:

Action 11-AD-013:

***BE IT RESOLVED** that the Board of Education adjourns this meeting at am.*

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.



1913 Atlantic Avenue, Suite R5
Manasquan, New Jersey 08736

Tel: (732) 223-2225
Fax: (732) 223-3666
www.brinkenv.com

February 1, 2011

Sent via FED-EX to Clinton Township Board of Education

Ms. Patricia Leonhardt
Business Administrator/Board Secretary
Clinton Township School District
128 Cokesbury Road
Lebanon, New Jersey 08833

Re: Proposal for Environmental Services
Patrick McGaheran Elementary School
63 Allerton Road
Lebanon, New Jersey 08833
Brinkerhoff Proposal No. 11B0019

Dear Ms. Leonhardt:

Brinkerhoff Environmental Services, Inc. (Brinkerhoff) is pleased to submit the enclosed proposal to provide environmental services at the above referenced Patrick McGaheran Elementary School for the Clinton Township Board of Education.

Brinkerhoff will perform a Phase I Environmental Audit-Preliminary Assessment (PA), conduct an indoor air quality investigation, and present all findings and recommendations to Clinton Township Board of Education.

The estimated costs to execute the above Scope of Work are outlined within the proposal. If the Scope of Work and cost estimate are acceptable please fax a purchase order to our office at 732-223-3666. Should you have questions, comments, and/or require additional information, please do not hesitate to call our office at 732-223-2225.

Respectfully submitted,

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.

A handwritten signature in dark ink, appearing to read 'Laura A. Brinkerhoff'.

Laura A. Brinkerhoff, LSRP, CPG
President/CEO

SUBMITTAL PAGE

Document Checklist:

- ☒ 1. Completed RFP
- ☒ 2. Reference List
- ☒ 3. Signed Affirmative Action Acknowledgement (attached)
- ☒ 4. NJ Certificate of Employee Information Report
- ☒ 5. Proof of Insurance


SUBMITTED BY:

Business Name: Brinkerhoff Environmental Services, Inc.

Address: 1913 Atlantic Avenue, Suite R5
Manasquan, NJ 08736

Telephone: 732-223-2225 Fax: 732-223-3666

E-Mail Address: LBrinkerhoff@BrinkEnv.com

Authorized Signature: 

Print Name and Position: Laura, A. Brinkerhoff, President/CEO

Date: January 28, 2011

February 1, 2011

Brinkerhoff Proposal # 11B0019

Clinton Township Board of Education

Kevin J. Carroll
Superintendent of Schools

Patricia Leonhardt
School Business Administrator/Board Secretary



Patrick McGaheran Elementary School Phase I Environmental Audit Proposal Sheet

Corporation: Brinkerhoff Environmental Services, Inc.

Description of Services to be provided:

See Attached

Cost of Proposal: \$ 7,200.00

Alternate Proposal #1 (if applicable)

Cost of Proposal: _____

BASIS AND BACKGROUND

As per the *Request for Proposal* issued by the Clinton Township Board of Education, Brinkerhoff has reviewed the available historical documentation of the environmental and public health concerns at the subject property. Brinkerhoff examined the timeline of actions by public health agencies and private consultants and any conclusions issued by such entities. Based on Brinkerhoff's over 20 years of experience and status as a licensed *Indoor Environmental Consultant to conduct Indoor Environmental Health Assessments of Child Care Centers and Educational Facilities in New Jersey*, the following Scope of Work is being advanced to further the Client's public health goals. The Scope of Work developed will provide the Clinton Township Board of Education with a comprehensive understanding of potential areas of environmental concern, and results of air quality sampling (both indoor and outdoor) as a baseline.

PROPOSED SCOPE OF WORK

Brinkerhoff proposes to conduct Task 1, a Phase I Environmental Audit-Preliminary Assessment (PA) consistent with the New Jersey Department of Environmental Protection's (NJDEP's) *Technical Requirements for Site Remediation (Technical Requirements)*. As required by the NJDEP's Site Remediation Reform Act, preparation of the Preliminary Assessment Report (PAR) will be overseen by a Licensed Site Remediation Professional (LSRP).

Brinkerhoff also proposes to conduct Task 2, an indoor air quality investigation, including sampling collection, analysis, and reporting in accordance with current NJDEP guidance and applicable regulations. The air quality investigation includes indoor and outdoor sampling and analysis.

Task 1 – Environmental Audit - Preliminary Assessment (PA)

Brinkerhoff will perform a records search and background review of available information to determine environmentally sensitive uses that may have resulted in contamination on the site. Local health and environmental agencies will be contacted to aid in identification of potential areas of environmental concern (AOCs) on the property. State and federal regulatory agency databases will be reviewed to identify permits pertaining to air, underground storage tanks (USTs), New Jersey Pollution Discharge Elimination Systems, the Resource Conservation Recovery Act, and wastewater utilities authorities. The available chain of title for the properties will be reviewed for evidence of past environmentally sensitive uses. An assessment will be made to determine if prior building operations may have included a nail salon, dry cleaner or industrial activity.

Sanborn Fire Insurance Maps will be reviewed, if available, for evidence of past environmentally sensitive uses. Historical aerial photography dating back to the earliest available will be reviewed as part of the records search.

Brinkerhoff requests that, prior to initiation of the project, the Client provide available ownership and occupancy documents (if they exist) including site plot plans, building layout maps, tenant lists, geotechnical reports, environmental permits or records, deeds of trust, title searches, proof of public water or potable water sampling results, escrow instructions and county/city surveys.

An onsite visual inspection of the site will be conducted to identify evidence of hazardous or potentially hazardous substances that may have or could be contaminating the property. The site inspections will include, but not be limited to, the following:

- Visual identification of possible hazardous material contamination resulting from past practices, such as poor storage and handling practices of tenants on the property and on adjacent properties;
- Documentation of hazardous material usage;
- Photo documentation of site conditions relative to AOCs;
- Visual identification of the presence of USTs on the property;
- Compilation of a hazardous waste/substance inventory list of all raw materials, finishing products, formulations, hazardous substances, hazardous wastes, hazardous constituents, and pollutants, including intermediated and byproducts that are or were historically present on the site;
- Visual inspection for the potential presence of agricultural products that may contain potentially hazardous substances;
- Interviews with key site personnel and local government officials;
- Evidence of stained soil, stressed vegetation, areas of past disturbance, surface water sheen, odors, or evidence of dumping;
- Evidence of electrical transformers or other potentially polychlorinated biphenyls (PCB) containing fixtures; and,
- Evidence of wells, drum storage, ponds, lagoons and waste disposal facilities on the subject property.

The results of the PA shall be incorporated into the PAR, which meets the reporting requirements of the NJDEP *Technical Requirements*. The report will include a summary of literature and records search findings; a discussion of the information identified, evaluated, or collected; a detailed description of the most recent operations; and a scaled site map with property boundaries, lot and block information and potential AOCs identified; and, for each AOC identified, a recommendation for no further action or additional investigation.

Task 2 – Indoor Air Quality Investigation

Brinkerhoff will provide an Air Quality Technician (AQT) to perform an indoor air quality (IAQ) investigation within the subject building. Air sampling shall be conducted in accordance with the NJDEP's *Field Sampling Procedures Manual* and the NJDEP's October 2005 Vapor Intrusion Guidance Document. The AQT will perform a building assessment prior to the sample collection. During the assessment, the AQT will visually inspect the premises to establish baseline conditions.

Four (4), six (6)-liter Summa[®] canisters will be placed in the building and two (2), six (6)-liter Summa[®] canister will be placed outside of the building. Pending a 24-hour sample collection interval, the canisters will be retrieved by Brinkerhoff and submitted to a certified laboratory for

volatile organic analysis using United States Environmental Protection Agency Method TO-15. Analytical results will be provided using a ten (10)-day turnaround time.

The following procedures must be implemented at least 48 hours prior to the indoor air sampling event:

1. The furnace or air conditioning system can be operated as appropriate for the weather conditions (season).
2. Do not use wood stoves, fireplaces, or auxiliary heating equipment.
3. Do not open windows or keep doors open.
4. Do not use window air conditioning units, window fans/vents, or ventilation units.
5. Fragrance or misting units must be shut down.
6. Do not smoke in the building, use air fresheners, odor eliminators, cleaning products, paints, and varnishes, or partake in hobbies that use solvents.
7. Do not use cosmetics or bring fresh dry-cleaned clothing into the building.
8. Do not apply pesticides or store containers of gasoline, oil or petroleum-based or other solvents.
9. Do not operate or store gasoline-powered equipment or vehicles in the building or attached garage, if applicable.

Activities that deviate from the above requirements or which alter the integrity of the environment can invalidate the laboratory analytical results.

Task 3 – Report Preparation, Recommendations and Presentations

Upon completion of the sampling and receipt of laboratory analytical data, a summary report detailing the aspects of the field sampling procedures, analytical methods, and results and recommendations will be submitted. The summary report will be included in the PAR.

Brinkerhoff will present all findings, conclusions, and recommendations to the Clinton Township Board of Education.

TERMS AND CONDITIONS

1. Proposal does not include soil sampling, asbestos or lead-based paint (LBP) inspections. Brinkerhoff will provide these services under separate proposal upon request.
2. Proposal does not include NJDEP fees, conducting off-site file reviews, or copying costs. Direct expenses will be invoiced at cost plus 15%.
3. Brinkerhoff requests that the Client provide a 60-year chain of title and environmental lien information, as well as a copy of a recent water bill for those properties connected to a water system (or sampling results for those with a potable well). If available, Brinkerhoff will order a chain of title and lien information to be billed at cost, plus a 15% administrative fee. This is estimated at approximately \$350 to \$500 for sites of average complexity. Said fee is dependent upon the size of the search and is subject to variability.

4. Work outside the Scope of Work presented herein will be invoiced at the hourly rates of \$150.00 for a Principal Consultant, \$115.00 for a Senior Project Manager, \$95.00 for a Project Manager/Subsurface Evaluator, \$85.00 for an Environmental Scientist/CAD Technician, and \$55.00 for administrative/technical support.
5. It is anticipated to take four (4) to six (6) weeks to complete from the authorization to proceed.

COST PROPOSAL

1. Brinkerhoff will conduct the PA and prepare and the PAR for the fixed fee of \$2,800.00;
2. Brinkerhoff will conduct the Indoor Air Quality Investigation including sample collection, laboratory submittal, data review and interpretation, for the fee of \$3,200.00; and
3. Brinkerhoff will prepare reports and present findings at a meeting with Clinton Township Board of Education for a fixed fee of \$1,200.00.

The total estimated costs for the proposed environmental services at the subject property are \$7,200.00.

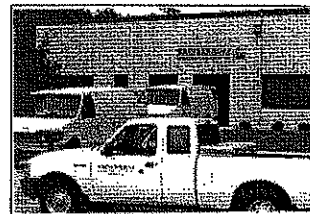
REFERENCE LIST

The following individual have offered to provide references regarding the scope and quality of environmental consulting services furnished by Brinkerhoff. Please feel free to contact them.

Joseph Ferraina, Superintendent <i>Long Branch Board of Education</i> 540 Broadway Long Branch, NJ 07712 (732) 751-2868	Summer Alhamash, AIA Heritage Architecture, LLC <i>City of Newark Schools</i> 352 Evelyn Street Paramus, New Jersey 07652 (201) 262-3800 X302
Eileen Ertle, Business Administrator <i>Sea Girt Board of Education</i> Bell Place Sea Girt, NJ 08750 (732) 449-3361	Herbert Massa, Business Administrator <i>Howell Township Board of Education</i> 200 Squankum Yellowbrook Road ✓ Howell, NJ 07731 (732) 751-2480
✓ Bernard Biesiada, Business Administrator <i>Millstone Township Board of Education</i> 5 Dawson Court Millstone Township, NJ 08535 (732) 786-0950 ext. 51020	Francine Locke, Director Office of Environmental Management Services (OEMS) <i>The School District of Philadelphia</i> 440 N. Broad Street Philadelphia, PA 19130 (215) 400-5214

COMPANY OVERVIEW

Brinkerhoff Environmental Services, Inc. (Brinkerhoff), a Manasquan, New Jersey, based firm, was founded in 1989 by its President/CEO, Laura Brinkerhoff. The firm's vision is focused on the redevelopment of environmentally safe schools and public buildings, preservation of open space, and revitalization of urban communities. Brinkerhoff has provided environmental services at more than 250 school projects in New Jersey. Clients include Boards of Education, primary and secondary schools, larger consulting firms, and public agencies. The firm conducts: soil and groundwater investigations and manages soil and groundwater remediation; Phase I and II environmental site investigations (ESAs); regulatory compliance; underground storage tank (UST) closures; lead-based paint (LBP) assessments; indoor air quality (IAQ) assessments; comprehensive asbestos-containing material (ACM) management plans; and the preparation of environmental impact statements. Brinkerhoff's professional staff is certified by the New Jersey Department of Environmental Protection (NJDEP) and the State of New Jersey Department of Community Affairs, and maintains Occupational Safety & Health Act (OSHA) certifications. Brinkerhoff regularly provides on-call services for more than 100 Clients.



Contact Information

Firm's Name and Principal Place of Business:

Brinkerhoff Environmental Services, Inc.
1913 Atlantic Avenue, Suite R5
Manasquan, Monmouth County, NJ 08736

Key Contact Person:

Laura A. Brinkerhoff, President/CEO
Telephone: 732-223-2225
Facsimile: 732-223-3666
Cell Phone: 732-674-4063
Email: LBrinkerhoff@BrinkEnv.com

Medford Field Office

133 Jackson Road, Suite D
Medford, Burlington County, NJ 08055
Telephone: 609-714-2141
Facsimile: 609-714-2143

Brinkerhoff is committed to quality management; a summary of key points within the firm's Quality Assurance/Quality Control (QA/QC) plan are as follows:

- Technical personnel have 40-hour training in health and safety as per Occupational Safety and Health Act (OSHA) 1910.120, eight (8)-hour refresher courses annually in OSHA compliance, and medical monitoring;
- A site-specific Health and Safety Plan (HASP) is prepared for each project site, which is reviewed with, and signed off by, the technical staff working at each site;
- Laboratory analytical samples are collected, managed, and transported with proper documentation for all sampling events;
- Review of laboratory QA/QC to validate and verify sampling results;
- Peer review of draft reports for submission to the Client and the regulatory agency, approval of reports by the Client, and sign-off on final reports by technical staff and management upon final report issue; and,

- Technical staff members are "on-call" 24 hours during weekends and holidays. Brinkerhoff has a documented record of outstanding health and safety.

Indoor Air Quality Services Provided

Brinkerhoff provides the following IAQ services:

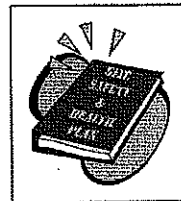
(IAQ) Contaminant Consulting:

Field Surveys;
Materials Testing and Laboratory Analysis;
Abatement Recommendation; and
Abatement Project Design and Monitoring.

SITE CHARACTERIZATION FOR CONTAMINATED HAZARDS – Brinkerhoff characterizes sites utilizing various investigative methods, including review of historical documentation, site inspection, indoor air quality sampling, geophysical surveys, soil and groundwater sampling, and analytical testing in accordance with regulatory requirements. Site characterization is necessary to identify pollutants that may adversely impact site workers and the surrounding public. Brinkerhoff establishes possible exposure pathways for contaminants dependent upon the types of contaminants detected at the site. Brinkerhoff assist our clients with the most feasible approach to site mitigation, based on the results of site characterization, economics, public perception, regulatory requirements and site development.

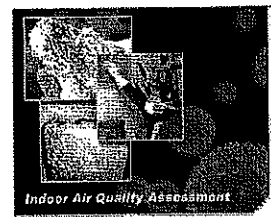


DEVELOPMENT OF HEALTH & SAFETY PLANS – Brinkerhoff assesses the information collected during site characterization – including types and levels of contaminants, physical properties of each contaminant and the potential exposure of each contaminant – to develop a site-specific, comprehensive Health & Safety Plan in accordance with regulatory requirements to protect on-site workers as well as the surrounding public. Brinkerhoff implements the site-specific Health & Safety Plan which may include on-site air monitoring and air testing services, making recommendations to on-site workers during specific site tasks, and liaison with government agencies. All work performed by Brinkerhoff will be done under a site specific health and safety plan per OSHA 1910.120.

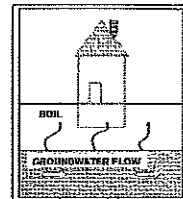


Brinkerhoff has a proven track record in the field of OSHA compliance. The firm has designed and implemented HASPs for a diverse range of projects. HASPs include items such as safe work practices, confined space permitting, protective equipment and air monitoring. In addition, Brinkerhoff can provide management of the stringent OSHA reporting requirements.

INDOOR AIR QUALITY ASSESSMENTS – Brinkerhoff assesses buildings for problem areas and samples these areas for parameters such as mold, mildew and bacteria, viruses, organic vapors, asbestos particulates, and radon. Samples are collected according to state-of-the-art protocol and submitted to accredited analytical laboratories. Sample results are reviewed and a confidential report is issued outlining the findings with conclusions and recommendations. Brinkerhoff makes recommendations on moisture control, a key factor in controlling mold and indoor air quality issues. In the case of radon or organic vapors, the firm designs and makes recommendations on ventilation, depressurization or other mitigations plans.

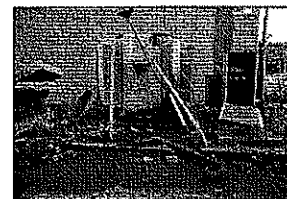


EVALUATION OF VAPOR HAZARDS – Indoor/Outdoor/Soil Gas Surveys – Brinkerhoff evaluates vapor hazards that may impact indoor or outdoor air quality. Vapor generated from volatile organic contaminants in groundwater and subsurface soils may adversely impact site workers and the surrounding public during the disturbance of sub-surface strata during construction activities. Brinkerhoff collects air samples and conducts soil gas surveys at construction sites to evaluate the types and the levels of vapor hazards that may be present at the site.



AIR MONITORING DURING CONSTRUCTION – Brinkerhoff provides air monitoring services for construction sites that are contaminated to protect site workers and the surrounding population. Brinkerhoff utilizes a wide range of monitoring devices to monitor air quality at sites during construction activities. Particulates, volatile organics, toxic gases and explosive gases are some of the types of monitoring that Brinkerhoff conducts at construction sites. In addition, Brinkerhoff collects air samples in accordance with industry and regulatory accepted methodologies to verify monitoring results. Brinkerhoff prepares reports that summarize air monitoring and air testing services for regulatory review.

POLYCHLORINATED BIPHENYLS (PCBs), MOLD AND OTHER HAZARDOUS MATERIALS – During the inspection phase for lead-based paint and ACM, Brinkerhoff's field staff is trained to identify transformers, electrical equipment and older light fixtures that may harbor PCBs and other hazardous materials (i.e., radioactive exit lights). The staff is also trained in evaluating moisture conditions, water damage and other mold-producing environments that may require remediation at the time of site restoration.

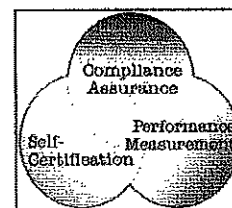


RADON ASSESSMENT – Brinkerhoff conducts assessments of radon potential for the presence of radon within existing buildings. Consultation with radon potential maps, testing for the presence of radon gas, and comparison with acceptable standards are applied. To the extent that radon potential exists or radon may be present within a facility, Brinkerhoff works with design professionals to prevent or mitigate the radon risk as part of health and safety considerations. Brinkerhoff has experience with the Active Soil Depressurization method and other ventilation methods for addressing radon remediation.



DEVELOPMENT OF SITE MITIGATION PLANS – Brinkerhoff prepares Site Mitigation Workplans that summarize site investigation activities, analytical results, soil and groundwater quality and provides alternatives for site remediation. Many technologies can be used to assess and remediate a contaminated site and are specific to each site due to the extent and nature of contamination. Although technologies continue to evolve, some well-established methods include natural attenuation, soil excavation, on-site and off-site treatment and disposal options, surface barriers, groundwater treatment, and oxidation/reduction. Brinkerhoff evaluates the most feasible remedial option for each site and coordinates activities with regulatory agencies.

REGULATORY COMPLIANCE – Brinkerhoff provides all necessary activities including site investigation, air monitoring and testing, soil and groundwater analyses, preparation and implementation of Health & Safety Plans, preparation of mitigation workplans to bring sites into regulatory compliance. Brinkerhoff has vast knowledge of all regulations pertaining to contaminated sites and provides liaison to all regulatory agencies that may be associated with a contaminated site.



LAURA A. BRINKERHOFF, LSRP, CPG
President/CEO/Principal

QUALIFICATIONS AND EXPERIENCE

Ms. Brinkerhoff is a Certified Professional Geologist/Hydrogeologist and New Jersey Department of Environmental Protection (NJDEP) Licensed Site Remediation Professional (LSRP) with more than 25 years of geological, geophysical and hydrogeologic experience. Specialized knowledge and experience encompass site characterization, soil and groundwater remediation, environmental permitting, oversight of wetland mapping, brownfields redevelopment, air quality assessments, and hazardous materials management and screening. Ms. Brinkerhoff is a licensed Subsurface Evaluator and N-2 Industrial Wastewater Treatment System Operator. She has coordinated and managed projects for technical evaluations of industrial sites, landfills, hazardous waste disposal sites, underground storage tank removal, on-site disposal facilities, groundwater treatment systems and emergency spill responses. All projects involved permitting and coordination with local, state and federal agencies.

- **Asbestos Management Planning**

Oversees the development of management plans, sampling, asbestos assessments, and practical and economical tailor-made programs for each facility to mitigate health hazards, reduce capital asset liability, and avoid the often emotional response to an asbestos problem. When remediation is required, Ms. Brinkerhoff oversees the development of remedial plans for contractor bid requests, and implementation of the plan.

- **Lead-Based Paint Services**

Oversees Lead-Based Paint (LBP) inspections, risk assessment, x-ray fluoresce (XRF) testing, abatement design and monitoring, and the assistance of Clients with LBP management planning. Administrative controls are addressed through an Operation and Maintenance (O&M) program which provides the necessary controls for maintenance and abatement contractor activities involving LBP issues. A summary report based on the XRF testing is prepared following inspection, detailing documentation of the testing with the raw data, and if requested, abatement options and projected costs.

- **UST, AST and LUST Case Management**

Manages the removal, replacement and/or upgrading of petroleum- and solvent-based underground storage tanks for private and public entities, including regional school districts, non-profit organizations, manufacturing and industrial operations, retail gasoline stations and bulk storage facilities at more than 75 sites. Professional services included the development of public bid documents for underground storage tank closure, oversight of field operations and preparation of Site Investigation Reports upon project completion

- **Soil and Groundwater Investigation and Remediation**

Manages more than 500 cases requiring soil and groundwater investigations and remediations, including development and implementation of Field Sampling Plans, Feasibility Studies, Remedial Investigations and Remedial Action Workplans.

Performs permitting, monitoring, design, installation and operation of soil and groundwater treatment systems. Contaminants assessed and remediated have included petroleum-based products, volatile organic compounds, chlorinated solvents, nitrates and heavy metals.

- **Aquifer Testing and Groundwater Monitoring Studies**

Manages aquifer tests, ranging from small-scale slug tests to large groundwater withdrawals in excess of 500 gallons per minute. Conducts computer-modeling to evaluate aquifer properties, assess contaminant transport and calculate attenuation/degradation rates.

Performs groundwater studies related to design and modification of on-site disposal systems to assess nitrate dilution and mounding analysis.

LAURA A. BRINKERHOFF, LSRP, CPG
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▪ **CERCLA/RCRA Case Management**

Manages site investigations, remedial investigations and conducts remedial actions for compliance with state and federal regulations pertaining to soil and groundwater cleanup projects, including the evaluation, cleanup and disposal of process solvents, petroleum discharges, heavy metals and other hazardous materials used in manufacturing operations. Supervises waste manifestation in accordance with federal and state regulations.

▪ **Wetland Mapping and Permitting, CAFRA**

Manages wetland delineations which have included field investigations to characterize soils, vegetation, and hydrology, flagging of wetland boundaries, preparation of data sheets recording wetland criteria, color photography, information on the presence/absence of threatened and endangered species, preparation of sketch maps showing the approximate flag locations, and preparation of Wetland Delineation Reports. Has addressed violations of the Coastal Area Facility Review Act (CAFRA) regulations and local ordinances and evaluated site impacts with CAFRA personnel. She has overseen the preparation of wetland restoration and monitoring plans for submittal to, and subsequent approval, by CAFRA.

▪ **Geophysical Investigations**

Performs gravity and magnetic surveys and other remote-sensing methods while conducting landfill investigations, assessing buried foundations and other subsurface structures to locate buried underground storage tanks and drums and to evaluate subsurface geology.

EDUCATION

B.S., Geology and Geophysics, Boston College, 1978
Stratigraphy, Sedimentology, Tulane University, 1981
Groundwater Hydrology, Stockton State College, 1990
Industrial Wastewater System Operator's Course, Rutgers University, 1995

REGISTRATIONS AND PROFESSIONAL CERTIFICATIONS

NJDEP Licensed Site Remediation Professional (LSRP) No. 510697
Certified Professional Geologist, AIPG Certification No. 8042
Registered Professional Geologist, Pennsylvania, No. PG-001191-G
Registered Professional Geologist, Delaware, No. S40000913
Licensed Subsurface Evaluator, No. 9949
Licensed N-2 Industrial Wastewater Treatment System Operator, No. 0014816
40-Hour OSHA Certification, 29 CFR 1910.120
Certified Environmental Inspector, Environmental Assessment Association
Amtrak Contractor Employee Safety Training, No. 16667
EPA/AHERA/Pennsylvania Asbestos Building Inspector

AFFILIATIONS AND PROFESSIONAL ASSOCIATIONS

American Institute of Professional Geologists, AIPG
American Association of Petroleum Geologists, AAPG
National Groundwater Association, NGWA
Society of American Military Engineers, SAME
Monmouth/Ocean Development Council, MODC
New Jersey Association of Women Business Owners, NJAWBO
Industrial and Commercial Real Estate Women of New Jersey, ICREW
Marine Trades Association
Environmental Assessment Association
Fuel Merchants Association

YVONNE A. JAMIESON
Project Manager

QUALIFICATIONS AND EXPERIENCE

Ms. Jamieson's has more than 10 years of diverse experience in the environmental industry and has managed many projects involving environmental, ecological, and engineering aspects. She oversees field investigations, sample collection, laboratory analyses of environmental samples, data QA/QC, and preparation of reports with recommendations for site remediation. Ms. Jamieson is a Biologist, New Jersey Department of Environmental Protection (NJDEP) Certified Subsurface Evaluator and a Certified Microbial Consultant for Indoor Air Quality.

Indoor Air Quality (IAQ)

Ms. Jamieson is responsible for overseeing IAQ assessments of chemical and biological agents which may relate to vapor intrusion, mold and mildew, bacteria, viruses, and other hazardous materials. At sites with moisture and suspect mold conditions, she performs inspections with infrared thermal imaging equipment used to identify areas with leaks and water infiltration. In areas where such conditions are identified, she directs a staff of environmental technicians while conducting IAQ Investigations for mold, mildew, fungus, bacteria, viruses, dust, and the underlying causes of bacterial and fungal growth. She provides QA/QC review, interpretation of laboratory results, and generation of reports with conclusions and recommendations.

Vapor intrusion is a current area where Ms. Jamieson is responsible for conducting IAQ Investigations. She has direct oversight in cases requiring evaluation of contaminant plume migration, installation of sampling points for collection of air samples via Summa Canister, review of air quality sampling results and comparison with NJDEP standards. In cases where contaminants exceed standards, Ms. Jamieson oversees the preparation of remedial designs and prepares Client recommendations.

Phase I and II Environmental Site Assessments

Ms. Jamieson performs Phase I and II ESAs for private Clients, lenders and government agencies in accordance with the American Society for Testing and Materials' Standards. Her experience includes the investigation of properties under regulatory enforcement, such as the Resource Conservation and Recovery Act (RCRA), Industrial Site Recovery Act (ISRA), the Bureau of Underground Storage Tanks (BUST), or Hazardous Waste Sites, performance of site inspections, review of historical aerial photographs, title search review, permit and license review, and searches of all county, state and federal records.

Regulatory Compliance Audits

Ms. Jamieson performs Regulatory Compliance Audits for private Clients and lending institutions. Audits include site inspections of properties along the entire east coast, document review, and report preparation. Facilities are evaluated against State and Federal regulations and provide recommendations to meet such standards.

New Jersey-based compliance audits are site-specific to meeting the standards of the NJDEP Industrial Site Recovery Act (ISRA) N.J.A.C. 7:26B, Technical Requirements for Site Remediation N.J.A.C. 7:26E, Groundwater Quality Standards N.J.A.C. 7:9, Stormwater Management N.J.A.C. 7:8, Stream Encroachment Regulations N.J.A.C. 7:13, and Underground Storage Tank Regulations N.J.A.C. 7:14B.

Jurisdictional Freshwater/Coastal Wetlands Assessments

Ms. Jamieson has extensive knowledge of New Jersey's Regulations, the Federal Manual for Identifying and Delineating Jurisdictional Wetlands, US Army Corps of Engineers 1987 Wetlands Delineation Manual, Pinelands Commission Comprehensive Management Plan, and American Society for Testing and Materials.

YVONNE A. JAMIESON

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Ms. Jamieson has delineated freshwater wetlands throughout the State of New Jersey and Pennsylvania. The investigations include the identification of the approximate location and extent of wetlands based upon the identification of three (3) parameters: hydrology, vegetation and soils. The investigations are conducted in accordance with the 1989 Federal Manual, Corps of Engineers Wetlands Delineation Manual, or Comprehensive Management Plan, dependent of project location. Background research includes a review of county soil surveys, U.S.G.S. Topographic Quadrangles, aerial photography and State Freshwater Wetland Maps.

Coastal Area Facility Review Act (CAFRA) and Waterfront Development reporting and evaluations are also a task Ms. Jamieson conducts and oversees. Each property has individual needs specific to location and development which must be properly addressed in the application to the New Jersey Department of Environmental Protection (NJDEP). Mapping, technical history, document review, site evaluation of current conditions and special attention to the Client's application submission are performed on a case-by-case basis.

Ecological Evaluations and Natural Resource Assessments

Ms. Jamieson performs and reports the findings of Baseline Ecological Evaluations as per N.J.A.C. 7:26E-3.11 for multiple industrial facilities in New Jersey. The findings of the BEE are used to assess the nature/extent of potential constituents of ecological concern in the site media and determine the need for further sampling.

She conducts the necessary research, site inspections, and document reviews necessary for the completion of Environmental Impact Studies per municipal requirements and Executive Order No. 215. These documents are prepared to identify potentially adverse environmental impacts of proposed projects and provide recommendations to reduce or eliminate that impact before the approval of such project. Consideration of project design, suitability and maintenance are incorporated in the impact analysis to ensure environmental compatibility and protection of natural resources.

She has evaluated microbial data from site-wide sediment and surface water samples from a Superfund which operated as a chemical facility. The evaluation was utilized as part of a Natural Resource Assessment. Analytical data was screened against past research for applicable criteria based upon site conditions and regulatory guidance. The final stage of the assessment was to evaluate the potential redevelopment of the site with the Wildlife Habitat Council concurrent with current remediation activities. Duties included coordination of community outreach, native flora and fauna enhancement and inspection, planting of vegetation for aesthetics and to naturally reintroduce wildlife communities to the site.

EDUCATION

B.S., Environmental Science, Rutgers, The State University of New Jersey, 1999
Specific training in Wetlands Delineation, Lake Management, Environmental and Ecological Risk Assessments, Fate and Transport, and Indoor Air Quality Courses approved through the AmIAQ and ABIH.

REGISTRATIONS AND PROFESSIONAL CERTIFICATIONS

40-Hour OSHA Certification, 29 CFR 1910.120, 1999
8-Hour Supervisors of Hazardous Waste Operations Certification, 2000
NJDEP Licensed Subsurface Evaluator, No. 0024366
Certified Microbial Consultant, American Indoor Air Quality Council, 2003
Regulatory Training in Underground Storage Tanks 01-040601-30 Rutgers 2005
EPA/AHERA Asbestos Building Inspector Certification Reg. #14695 2005

JASON P. HOOPER
Project Manager

QUALIFICATIONS AND EXPERIENCE

Mr. Hooper has more than five (5) years of experience as a hazardous materials field technician working on projects in both New Jersey and New York. His environmental experience includes remediation project management of asbestos, lead and mold for schools in New York City and New Jersey, monitoring noise pollution for the Port Authority in New York City and various New Jersey Department of Transportation studies. His technical experience includes asbestos, lead-based paint, and mold investigations and sampling, research, preparation of reports, and preparation of remedial specifications, and threatened and endangered species habitat assessments.

QUALIFICATION AND EXPERIENCE

2005 – 2010 Senior Project Manager
Project Management of the Remediation of Asbestos, Lead and Mold

Responsibilities included:

- Coordinated all project phases including proposal, survey, final design, and accounts receivable;
- Managed a team for inspections, surveys and investigations;
- Analyzed scope of work;
- Surveyed, collected data and prepared lab samples;
- Researched public records of current project;
- Generated reports and drawings based on laboratory results and scope of work;
- Liaison between various testing labs, project managers, architects, engineers, and regulatory agencies
- Prepared design specifications for alteration/renovation projects based on architectural, mechanical, engineering and electrical drawings; and,
- Generated billing reports and prepare associated documentation.

Major projects included:

New York City School Construction Authority

- Scheduled, managed, and supervised projects for the New York City School Construction Authority including asbestos and lead based paint inspections in various school facilities throughout the five boroughs over three (3) years; and,
- Worked directly with, and was available for, the Project Managers of the IEH Department of the SCA 24 hours a day, 7 days per week.

New Jersey School Development Authority – Hawthorne Elementary/University High School

- Developed and executed asbestos survey and environmental feasibility study of a demolition project of 70 different residential properties for the New Jersey School Construction Authority including the collection and analysis of over 2000 bulk samples for asbestos; and,
- Directly supervised the inspection and abatement monitoring phases.

Princeton Healthcare - FMC, Inc.

- Managed an inspection team and wrote asbestos and lead abatement specifications for 30 chemical research buildings over three (3) years.

JASON P. HOOPER

Page 2

2004 - 2005 Paul-Carpenter Associates Florham Park, NJ

Field Technician

- Monitored noise pollution to verify compliance with state standards in residential and metropolitan areas; and,
- Major projects included Port Authority Bus Terminal Renovation in New York City and various New Jersey Department of Transportation studies.

2005 Jewish Community Center Country Day Camp Rockland County, NY

Nature Program Director

- Developed both broad and specific goals for a summer-long nature program for two hundred children ages six through thirteen; and,
- Engaged groups of twenty or more in lessons and exercises of scientific discovery in both classroom and field settings.

2003 - 2004 Haskins Shellfish Research Lab, Rutgers University Port Norris, NJ

Oyster Stock Monitoring Program

- Identified and quantified juvenile oysters to assess the health of the oyster stock in the Delaware Bay

1998 - 2003 Cape May County Health Department Cape May Courthouse, NJ

Environmental Monitor/Boat Pilot

- Served as the primary field technician and boat pilot for the County's Environmental Health Program
- Collected water samples from recreational swimming beaches and back-bay environments to ensure compliance with state standards
- Investigated and generated reports on environmental impacts, public complaints and incidents
- Utilized GPS equipment to map sampling areas

EDUCATION

B.S., Marine Science -- Resource Management, Richard Stockton College of New Jersey Pomona, NJ, 2005
Courses in: Aquaculture, Biology, Chemistry, Ecology, Education, Energy, Ichthyology and Physics

PROFESSIONAL CERTIFICATIONS

New Jersey Asbestos Safety Technician
New Jersey Lead-Based Paint Inspector/Risk Assessor
Radiation Safety Certificate for Lead-Based Paint Detection Equipment
EPA/AHERA/New York State Asbestos Inspector
EPA/New York State Lead-Based Paint Inspector/ Risk Assessor
New York City DEP Asbestos Investigator
New York City Local Law 52 4-Hour Scaffold User
New York State Project Monitor

ADDITIONAL SKILLS

Experienced in AutoCADD
Proficient in Microsoft Office Applications
Skilled in photographic documentation

AFFIRMATIVE ACTION COMPLIANCE NOTICE
N.J.S.A. 10:5-31 and N.J.A.C. 17:27

GOODS AND SERVICES CONTRACTS
(INCLUDING PROFESSIONAL SERVICES)

This form is a summary of the successful bidder's requirement to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

The successful bidder shall submit to the public agency, after notification of award but prior to execution of this contract, one of the following three documents as forms of evidence:

(a) A photocopy of a valid letter that the contractor is operating under an existing Federally approved or sanctioned affirmative action program (good for one year from the date of the letter);

OR

(b) A photocopy of a Certificate of Employee Information Report approval, issued in accordance with N.J.A.C. 17:27-4;

OR

(c) A photocopy of an Employee Information Report (Form AA302) provided by the Division and distributed to the public agency to be completed by the contractor in accordance with N.J.A.C. 17:27-4.

The successful vendor may obtain the Affirmative Action Employee Information Report (AA302) from the contracting unit during normal business hours.

The successful vendor(s) must submit the copies of the AA302 Report to the Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division). The Public Agency copy is submitted to the public agency, and the vendor copy is retained by the vendor.

The undersigned vendor certifies that he/she is aware of the commitment to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.1 et seq. and agrees to furnish the required forms of evidence.

The undersigned vendor further understands that his/her bid shall be rejected as non-responsive if said contractor

fails to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

COMPANY: Brinkerhoff Environmental Services, Inc.

SIGNATURE: 

PRINT NAME: Laura A. Brinkerhoff

TITLE: President/CEO

DATE: January 28, 2011

Certification 12218

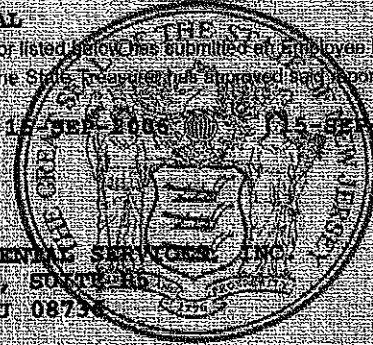
CERTIFICATE OF EMPLOYEE INFORMATION REPORT

RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of

15 SEP 2008 15 SEP 2013

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 ATLANTIC AVENUE, SUITE 100
MANASQUAN NJ 08738



Bradley Abela
State Treasurer

Client#: 36827

BRIEN

DATE (MM/DD/YYYY)
06/02/10**ACORD™ CERTIFICATE OF LIABILITY INSURANCE**

PRODUCER

Brouwer Hansen & Izdebski
PO Box 5018
240 Main Street
Toms River, NJ 08754

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

NAIC #

INSURER A: Charlie Specialty Insuran

INSURER B: CNA Insurance Company

INSURER C:

INSURER D:

INSURER E:

INSURED

Brinkerhoff Environmental Svcs. Inc.
1913 Atlantic Ave, Suite R5
Manasquan, NJ 08736

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSURANCE LTR. NBR.	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO. <input type="checkbox"/> LOC.	2631500	06/01/10	06/01/11	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (EA ACCIDENT) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COM/PROP AGG \$2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Drive Other Car DAMAGE LIABILITY <input type="checkbox"/> ANY AUTO:	C4016544703	06/01/10	06/01/11	COMBINED SINGLE LIMIT (EA accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
A	EXCESS/UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE: <input checked="" type="checkbox"/> RETENTION \$10,000	2631619	06/01/10	06/01/11	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$ \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (If yes, describe under SPECIAL PROVISIONS below)	WC416544717 NO	06/01/10	06/01/11	<input checked="" type="checkbox"/> WC STATUS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
A	OTHER Pollution and Professional Liability	2631500	06/01/10	06/01/11	\$1,000,000 8/28/99 retro date

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Certificate provided to illustrate coverages as of this date.

CERTIFICATE HOLDER

Sample Certificate

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE


LMP

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IMPORTANT

If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

CERT-1

RECEIVED

08/28/02

SEP - 4 2002

Taxpayer Identification# 841-114-151/000

BRINKERHOFF ENVIRONMENTAL

Dear Business Representative:

Congratulations! You are now registered with the New Jersey Division of Revenue.

Use the Taxpayer Identification Number listed above on all correspondence with the Divisions of Revenue and Taxation, as well as with the Department of Labor (if the business is subject to unemployment withholdings). Your tax returns and payments will be filed under this number, and you will be able to access information about your account by referencing it.

Additionally, please note that State law (Public Law 2001, c.134) requires all contractors and subcontractors with State agencies to provide proof of their registration with the Division of Revenue. The law also amended Section 92 of the Casino Control Act, which deals with the casino service industry.

We have attached a Proof of Registration Certificate for your use. To comply with the law, if you are currently under contract or entering into a contract with a State agency, you must provide a copy of the certificate to the contracting agency.

If you have any questions or require more information, feel free to call our Registration Hotline at (609) 292-1730.

I wish you continued success in your business endeavors.

Sincerely,

John E. Tully, CPA
Acting Director

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE FOR STATE AGENCY AND CASINO SERVICE CONTRACTORS		DEPARTMENT OF TREASURY DIVISION OF REVENUE PO BOX 252 TRENTON, NJ 08646-0252
TAXPAYER NAME:	BRINKERHOFF ENVIRONMENTAL SERVICES, INC.	TRADE NAME: BRINKERHOFF ENVIRONMENTAL SERVICES
TAXPAYER IDENTIFICATION#:	841-114-151/000	SEQUENCE NUMBER: 0103280
ADDRESS:	1913 ATLANTIC AVENUE SUITE R- MANASQUAN, NJ 08736	ISSUANCE DATE: 08/28/02
EFFECTIVE DATE:	07/17/00	
FORM-BRC(08-01)	This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.	