

## **WALTER H. HUNGARTER, III, P.E.**

### **Vice President**

#### **SUMMARY OF QUALIFICATIONS**

Mr. Hungarter has over twenty-six years of consulting experience in the environmental services industry to include managing, coordinating, and providing technical assistance in a variety of engineering and construction projects. Mr. Hungarter is currently the Vice President of RT Environmental Services, Inc., King of Prussia office and is responsible for management of the Engineering and Hydrogeology groups. He is a Professional Engineer in four states (Delaware, Pennsylvania, New Jersey, and Alabama). He is currently involved with various design and environmental assessment projects, vapor barrier and vapor mitigation systems, contingency planning, pollution prevention, soil and groundwater remediation, indoor air quality investigations, brownfields redevelopment and waste permitting. He has conducted environmental assessments and baseline IAQs and mold investigations of residential, commercial, and industrial facilities in Pennsylvania, New Jersey, Delaware, and Virginia. Responsible for field investigations, regulatory research and review, report preparation, review of contractor submittals and payment requisitions. Mr. Hungarter has extensive experience with due diligence activities (Phase I and II Environmental Assessments) on large portfolio projects as well as small single site transactions for various clients.

Coordinated waste disposal activities for several sites including the waste facility due-diligence review. Prepared mold, lead-based paint and asbestos containing materials abatement specifications and decommissioning plans for several projects in Pennsylvania, Delaware and Virginia. Performed PA DEP and US EPA file reviews for various projects.

#### **FIELDS OF COMPETENCE**

Chemical and Environmental Engineering; Brownfields and PA DEP Land Recycling; indoor air quality and microbial investigations, vapor mitigation systems, hazardous waste permitting; Phase I and Phase II ESAs; SPCC, PPC, and contingency planning; PA Clean Fill and construction industry environmental issues, stormwater best management practices, wastewater treatment. Also familiar with NJDEP Technical Requirements for Site Remediation, landfill closure design, underground and aboveground storage tank regulations, environmental and engineering economics.

#### **EDUCATION**

M.S., Chemical Engineering (w/ focus in Environmental Engineering) - Widener University (1999)  
B.S., Chemical Engineering, minor in Chemistry - Widener University (1997)  
40-Hour Hazardous Waste Site Training Course, OSHA 29 CFR 1910.120(e)(3), Envirogenics (1999)  
8-Hour Hazardous Waste Refresher Course, OSHA 29 CFR 1910.120(e)(8), ASTM ECS (2024)  
CIAQM, CMC/CMi Training, 2003 (2006)  
Confined Space Training, 2003 (2006)  
Lead and Asbestos Awareness Training, 2002

#### **LICENSES AND CERTIFICATIONS**

Professional Engineer in Delaware, Pennsylvania, Alabama, and New Jersey

Certified Microbial Consultant, 2003, 2006

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Environmental Site Assessments for Commercial Real Estate, 2000.  
ASTM Phase II Environmental Site Assessment Process, 2000.  
ASTM Property Condition Assessment, 2000.

### **PROJECT EXPERIENCE**

Involved with the development and installation of a subslab depressurization system at a Brownfield Redevelopment site in York, PA. The site was remediated through the PA DEP Act 2 Land Recycling Program and to facilitate the current use, vapor intrusion potential was investigated, and it was determined that mitigation would be necessary. Mr. Hungarter developed the initial investigation program, the pilot testing protocols and implemented same to develop the full scale system requirements to control subslab vapors from impacting site occupants. The extraction system included four zones, each with a blower to remove air from beneath the slab, 30 extraction points and three extraction trenches. Implemented post installation monitoring to document the effectiveness of the system.

Reporting and data analysis for a Pennsylvania Superfund site in King of Prussia. Responsibilities included operation and maintenance services, groundwater and vapor extraction system monitoring, landfill gas monitoring tracking and scheduling of sampling events, and coordination of laboratory drop-offs and pickups. Completion of an NPDES renewal application for facility discharge. Preparation of work scope modifications, monthly, quarterly, and annual reports to EPA and PRP Group members. Responsible for completion of several shutdown/rebound tests and data evaluation and reporting. Working with EPA to close out pump and treat operations following remedy modification work.

Responsible for the development of vapor barrier and passive venting systems for both single family and multi-unit residential townhome dwellings in Collegeville, PA. Onsite inspection of installation procedures to document installation in accordance with project specifications and observed smoke testing to document the effectiveness of the vapor barrier and venting system. Twelve single family units and 18 (4 to 5 unit) buildings of 32 have been completed at this time.

Conducted oversight of the installation of vapor barriers and passive venting systems for four commercial buildings in Chadds Ford, PA at a redevelopment project being remediated through the PA DEP Act 2 Land Recycling Program. Oversight included documenting that the vapor barrier was installed per the project specifications and observing construction activities as the vapor barrier was covered with concrete to verify that any potential damage was corrected prior to the concrete being installed.

Conducted and managed indoor air quality investigations, mold inspections and air sampling for a number of clients at various locations in both Pennsylvania and Delaware. Project Manager for multi-building apartment complex investigation in Delaware. Investigation involved air sampling in over 230 apartment/basement units. Involved with indoor air investigations for both commercial and residential facilities.

Project Manager for several PA DEP Act 2 Land Recycling Sites in Hilltown and Chester Townships, Ambler Borough. Sites included remediation of impacted soil to a residential statewide health standard (at two Hilltown Township Sites) and removal of hazardous waste to meet the residential and site specific statewide health standards (Chester). Preparation of remedial investigation report and cleanup plan for Ambler site. Also completed work on an Act 2 sites in Phoenixville and Philadelphia, PA. Involved with Act 2 projects in the Northeast and South Central Regions involving movement of historic fill and the use of site specific standards for each site.

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Involvement with the comment process for the Construction Industrial related to the PA DEP Fill Policy (April, 2004). Prepared comments on the Policy and General Permit issues as well as numeric limits for fill materials. Instrumental in the development of a Best Management Practices Guide for Highway and Earthwork Construction Under the PA DEP Fill Policy and General Permit Program@ in June 2004.

Hazardous Waste Permit Applications. Prepared hazardous waste permit applications and renewal applications for three mercury recycling facilities located in Pennsylvania. Developed a process code system to be used throughout the company to track the status of materials in the recovery process. Prepared drawings, text, and figures for permit application sections required by DEP. Responded to DEP comments and issues and coordinated revisions with the client. Currently one permit has been approved by the PA DEP and the second site was submitted to PA DEP and is currently under review.

Involved with work at a Brownfields redevelopment site in New Jersey. Site consists of three closed landfills totaling approximately 120 acres to be converted to a transit village style community. Hazardous wastes were reported to have been received at one of the landfills. Completed NJ DEP file reviews for the facilities and historic aerial review and interpretation. Involved with the preparation of concept redevelopment plans and presentations for NJ DEP as well as other government agencies involved with the project. Also involved with the investigation work scheduled to be completed in late 2007 to further assess redevelopment of the facilities. The redevelopment project is being coordinated with the NJ DOT roadway projects in the area. Also responsible for management of soil approval process for the capping activities of the landfills which involves reviewing and approving incoming material streams.

Implemented a vapor barrier and passive vapor venting system at a Brownfield site with Regional groundwater contamination for a large box retail site in Philadelphia, PA. The venting system consisted of a two layer (primary and secondary barrier) high density polyethylene (HDPE) mitigation system. The passive venting system included two venting layers, one below each barrier. Completed inspection and oversight during construction to document conformance with project specifications and effectiveness of the HDPE welds used to seal the barrier.

Remediation work, former Ohio China Production facility. Project Manager for investigation and remediation activities. Performed alternative and cost analysis of three remediation options. Coordinated on-site investigations including groundwater, stream, additional areas of concern identified during site inspection, and geotechnical investigation for cap stability. Involved with the landfill closure design.

SPCC, PPC, and contingency plans. Prepared Spill Prevention Control and Countermeasures (SPCC), and Preparedness, Prevention, and Contingency (PPC) Plans for numerous asphalt plants and other industrial sites throughout the region. Performed site inspections for facilities, risk assessments, and secondary containment evaluations. Prepared contingency plans and drawings for the sites.

Phase I Environmental Site Assessment (ESA) Portfolio. Project Manager for a Phase I ESA portfolio project for a New Jersey industrial/commercial business complex consisting of twelve facilities and 105 tenants. Reviewed prior Phase I, II, and other environmental reports. Performed site inspections, historical / regulatory reviews, assessment of environmental conditions, and prepared portfolio report. Other similar Phase I ESA portfolios have been completed for several clients at locations in Toronto, Ontario; Santa Rosa, California; York, Pennsylvania; Buffalo, New York; Danbury, Connecticut; Charlotte, North Carolina; and Washington D.C. Completed various Phase I ESAs in Pennsylvania, New Jersey, Maryland and Virginia.

Post closure monitoring; Philadelphia landfill. Conducted site inspection with client after reported dumping incidents. Coordinated cleanup and waste removal activities. Performed groundwater sampling as part of

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the operations and maintenance of the facility. Involved with completion of the Closure Application to PA DEP, and construction oversight of landfill capping activities. Preparation of certification report.

Preparation of individual General Beneficial Use Applications for a number of clients involved with mulch, concrete, asphalt, and composting processing operations in Southeast and Northeast Regions of PA DEP. Coordinated sampling of individual materials per PA DEP requirements. Preparation of state-wide General Beneficial Use Applications for recycled asphalt pavement (RAP) materials and baghouse fines for a wide range of construction industry clients throughout all PA DEP Regions.

Coordination of post closure monitoring and reporting to PA DEP for a King of Prussia Landfill project. Involved with monitoring well maintenance activities and preliminary re-development plans for the site, including potential PA DEP Act 2 Land Recycling.

Preparation of NPDES permits and renewal applications for several facilities in Chester and Montgomery Counties in Pennsylvania. Additionally, prepared Erosion and Sediment Control plans and drawings related to the proposed activities at the sites. Coordination with PA DEP and Conservation Districts involving the locations of stormwater best management practices to be implemented given complex geological site conditions.

Preparation of a NJ DEP Class B permit modification for a facility in Southern New Jersey. The permit modification included updating the prior permit conditions based on modern day regulations and development of the protocol for the facility to accept new waste streams (involving concrete, and shipment of material directly to end users).

Involved with a re-development project for the City of Chester Redevelopment Authority. This project involved capping and redevelopment of a former NPL site for residential (park) use. Onsite work included sampling of materials, oversight of the removal of hazardous waste from the facility and verifying final cap construction. The site was taken through the PA DEP Act 2 Land Recycling Program and obtained a release of liability from the State.

Philadelphia Act 2 Land Recycling project at a former lead smelting facility. The facility is currently a waste transfer station. The project involved design and capping of historic fill material on a five acre portion of the site, preparation of the RIR/Cleanup Plan. The cap was comprised of asphalt parking lot area and one foot of clean fill/soil over other portions of the facility. Obtained stormwater approval for the redevelopment aspect of the project from PA DEP with coordination from the City of Philadelphia Water Department. Completed oversight of the cap construction.

Performed inspection oversight for the installation of vapor barriers on multi-unit residential dwellings in Lansdale, PA. Redevelopment work being completed on a Brownfield site required that potential volatile organic vapors be mitigated through use of a Stego® wrap barrier system. Documented the installation procedures were in accordance with project specifications.

Project manager for Major and Minor permit modifications and permit renewals for waste transfer facilities in Berks and Montgomery Counties, Pennsylvania. Responsible for preparation and completion of application forms, coordination of PA DEP responses, and facility drawing modifications. Permit modifications have been made to the facility to increase daily volume, update radiation monitoring plans, expand waste types accepted at the facility to include C&D, municipal and residual waste.

Evaluation of the scope and cost of an EPA removal action for a former New Jersey chemical production facility. The evaluation included review of investigation and remediation activities and associated costs

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which were completed over a several year period to determine if the costs of the removal action were justified. Involved with the review of site information to determine the remedial cost for the project under the state voluntary clean-up program.

Brownfields redevelopment site in Philadelphia, PA. Remediation of PCBs throughout facility. Designated at client's PCBS coordinator with U.S. EPA. Work included preparation of work plans for remedial alternatives in accordance with U.S. EPA TSCA requirements for PCBs. Oversight and reporting related to implemented remedial actions which have been implemented to date. Alternative concrete remedy for flooring materials evaluated in accordance with US. EPA TSCA requirements.

Brownfields redevelopment site in Philadelphia, PA. Lead impacted soils remediated to meet a site specific standard in accordance with the PA DEP Act 2 Land Recycling Program. Re-entrance of the site into the Act 2 Program to facilitate residential redevelopment of the site. Completed public involvement program meetings with interested parties. Preparation of Act 2 reports associated with the change in use. Prepare environmental covenant to be implemented upon completion of redevelopment activities.

Mold investigation and evaluation of several sites in Upper Dublin Township, PA. Assessment of water intrusion sources, sampling of building materials and air, evaluation of data and development of remediation activities for several sites. Oversight completed of the remedial actions and post verification sampling and evaluation of results.

Evaluation of lead and asbestos sample results for various sites in Pennsylvania. Project manager for asbestos and lead based paint survey investigations, report preparation.

Hazardous waste facility engineering services completed in Pennsylvania. Engineer of record for various projects throughout the facility; containment area replacement, upgrade of containment systems for a storage area, containment curb expansion, replacement of tipping floor concrete, stormwater pond liner replacement, and mixing bunker upgrade projects. Completion of routine reporting for NPDES, hazardous waste tank certification, and mixing bunker operations. Preparation of scopes of work for projects, oversight of construction activities and reporting to PA DEP.

Investigation and remediation of former automotive repair operation which involved the removal of several underground storage tanks, removal of an above ground storage tank in a vault, and disposal of soils determined to be hazardous for lead. Coordination of remediation activities, oversight of removal operations, manifesting shipments for client and reporting for the project.

Completed several noise surveys and evaluations for Philadelphia, PA redevelopment sites. Work included collection of noise field data, evaluation of data and preparation of noise models making use of onsite software considering the proposed building improvements. As part of these redevelopments, completed acceptable separation distance surveys related to aboveground storage tanks. Completed reports documenting the results of noise and separation surveys.

## **PROFESSIONAL AFFILIATIONS**

Air & Waste Management Association