

PRIYA HRENKO, P.E.

Education

B.S. – Environmental Engineering, University of Florida, 2012

Certifications & Professional Licenses

Professional Engineer – Indiana, Kentucky

Washington Third Party Greenhouse Gas Individual Verifier & Transaction Specialist

Professional Affiliations

Kentuckiana Chapter of Hazardous Materials Managers (KCHMM)

Professional Experience

Priya Hrenko is a project engineer experienced in air permitting, environmental compliance, environmental auditing, Phase I environmental site assessments, soil and groundwater assessment and remediation, and stormwater permitting and compliance for solid waste, private, municipal, commercial, and industrial facilities across the southeast, central and Midwest United States.

Project Experience

Air Permitting & Compliance

Metro Waste Authority, Perry, Iowa, Greenhouse Gas Reporting. Mr. Hrenko evaluated and prepared greenhouse gas (GHG) emission calculations required by 40 Code of Federal Regulations (CFR) Part 98, Mandatory Greenhouse Gas Reporting for the Metro Park West landfill in Perry, Iowa.

Calculations were completed utilizing site-specific data and equations and parameters specified in Subpart HH, Municipal Solid Waste Landfills. Mr. Hrenko prepared the engineering report for the facilities to maintain on-site as a record of compliance.

Butterball LLC, Turkey, North Carolina, Air Permit Renewal and Annual Emissions Inventory. Mr. Hrenko prepared a small permit renewal and calculated annual emissions inventory for a feedmill in North Carolina.

Carriage House Foods, Buckner, Kentucky, Annual Emissions Inventory. Mr. Hrenko reviewed, verified, and reported annual emissions as required by the facility's air operating permit.

City of Springfield, Missouri, Minor Construction Permit Application and Compliance Matrix. Mr. Hrenko assisted with a construction air permit application for a proposed replacement flare. Preparation included development of potential-to-emit calculations, preparing the applicable permitting forms and cover letter. Mr. Hrenko also created a comprehensive compliance matrix which summarized the landfill's solid waste, air, stormwater and wastewater requirements and deadlines.

Graphyte Inc., Pine Bluff, Arkansas Air Permit Applicability Determination and Application. Project engineer responsible for identifying emission units, development of potential-to-emit calculations, regulatory research, regulatory agency communication, air permit applicability, and source registration for a carbon briquette casting facility in Arkansas.

Seaboard Foods, Guymon, Oklahoma, Air Permit Applicability Determination and Application. Project engineer responsible for identifying emission units, development of potential-to-emit calculations, regulatory research, regulatory agency communication and air permit applicability for a feedmill in northwest Oklahoma.

Seaboard Foods, Perryton, Texas Permit-By-Rule Application. Project engineer responsible for identifying emission units and control devices as part of a facility modification, development of potential-to-emit calculations, regulatory research, determining air permit applicability and submitting, permit-by-rule applications related to the modification of a feedmill in Perryton, Texas.

Confidential Client, Kentucky, Minor Operating Permit Modifications and Compliance Reporting. Mr. Hrenko assisted with potential-to-emit calculations and air permitting forms for permit modifications for painting and manufacturing processes for three facilities in Bowling Green and Louisville, Kentucky. Additionally, Mr. Hrenko prepared semi-annual monitoring reports and annual compliance certifications to assist the client with routine compliance obligations.

Dashboard and Trim Manufacturer, Kentucky, Minor Air Permit Compliance and Reporting. Mr. Hrenko identified materials and processes with the potential to emit volatile organic compounds (VOCs) and hazardous air pollutants (HAPs), calculated rolling emission totals to assist the client to comply with air permit requirements and trained the client to identify VOC/HAP containing materials and calculate actual emissions. Mr. Hrenko also prepared semi-annual monitoring reports and annual compliance certifications on behalf of the client.

Thermal Insulation Blanket Manufacturer, Southeast US, Title V Construction Permit Application. Mr. Hrenko assisted with the identification of emission units, development of potential-to-emit calculations, a written process summary, a simplified process & implementation diagram (P&ID) and preparation of air permitting forms.

Tobacco Plant, Midwest United States, Title V Air Permit Modification and Reporting. Mr. Hrenko prepared potential-to-emit calculations, air permit forms and a confidential operating air permit modification for a soda ash grinder. Mr. Hrenko also prepared semi-annual report and annual compliance certifications on behalf of the client.

Scoular Inc., Goodland, Kansas, Construction Permit Application. Mr. Hrenko assisted to identify emission units, calculate potential emissions, research regulatory requirements, write process descriptions and assemble a permit application for a soybean and canola oil extraction facility.

Confidential Client, Kansas, Air Permit Compliance Obligation Assessment. Mr. Hrenko assisted to identify federal and state-level requirements for a seed oil to energy facility in Kansas.

Various Clients, Kentucky, Air Permit Compliance and Reporting. Mr. Hrenko assisted clients in the food, automotive seating, furniture and granular absorbent industries with reporting and annual compliance certification requirements.

Archaea Energy, Commerce City, Colorado, Air Modeling. Mr. Hrenko collected and organized air dispersion modeling parameters, interfaced with the Colorado Permit Modeling Unit (PMU) and client and conducted significant impact analysis modeling for a landfill gas-to-energy facility.

Environmental Compliance

Various Industrial Facilities, Alabama, Illinois, Indiana, Kentucky, Environmental Compliance Audits.

Mr. Hrenko served as an assistant auditor on multi-media environmental audits for consumer product manufacturing, chemical and salvage facilities in Alabama, Illinois, Indiana, and Kentucky. Mr. Hrenko assessed general compliance with major environmental requirements. These included air quality, wastewater, stormwater, EPCRA, oil pollution prevention, hazardous waste, storage tanks, and non-specific regulatory matters. The audits assessed areas or activities at the facilities where non-conformance could pose significant liability or entail significant cost to correct. The projects included on-site review of existing conditions at the facilities as well as a review of applicable requirements to assess compliance.

Various Properties, Alabama, Indiana, Kentucky, Ohio, Tennessee, Phase I ESAs. Mr. Hrenko served as a task manager for the preparation, site reconnaissance and review of Phase I Environmental Site Assessments (ESAs) according to American Society for Testing and Materials International (ASTM) Standards E1527-13 and E1527-21. These projects included residential properties, large vacant/undeveloped properties, former military installation properties, small vacant properties, industrial properties, agricultural properties, barrel stave properties, and commercial properties. Mr. Hrenko conducted site recons and reviewed current and historical information to identify the presence or absence of recognized environmental conditions. Historical documents typically reviewed include Sanborn fire insurance maps, topographic maps, city directories, aerial photographs, interviews, and files obtained from state and local agencies. Mr. Hrenko prepared draft reports for a technical reviewer and submitted final reports to clients.

Various Industrial Facilities, Alabama, Georgia, South Carolina, North Carolina, Illinois, Indiana, Kentucky, Michigan, Missouri, SPCC Plans. Mr. Hrenko assisted in the preparation or revision of over 25 Spill Prevention Control and Countermeasure (SPCC) Plans for several manufacturing, automotive, brick, chemical, CBD, lubricant, plastics, public transportation, shipping port, salvage, and tobacco facilities in the Midwest. Mr. Hrenko conducted SPCC site visits to inventory oil storage capacity of oil tanks, containers, and reservoirs of capacities of 55 gallons or more and assisted clients with routine SPCC inspections. In addition, he calculated secondary containment capacity of dikes, reservoirs, and minimum distance of storage containers on concrete floors from exits without the need of additional secondary containment.

Various Manufacturing Facilities, Kentucky, Hazardous Waste Annual Registration and Reporting.

Mr. Hrenko assisted with the preparation of annual hazardous waste registrations for two manufacturing facilities and one food manufacturing facility. Mr. Hrenko identified the generator status of each client, identified hazardous waste streams, disposal quantities, waste and minimization codes and prepared EPA forms required for hazardous waste registration or reporting to the Kentucky Department for Environmental Protection, Division of Waste Management Hazardous Waste Branch.

Various Industrial and Municipal Facilities, Indiana, Kentucky, Tennessee, EPCRA Tier II Reporting.

Mr. Hrenko prepared over 30 Tier II hazardous chemical inventory forms required annually by the Emergency Planning and Community Right-to-Know Act (EPCRA) per the requirements of 40 CFR Part 370. Mr. Hrenko calculated storage volumes, reviewed safety data sheets (SDSs) to identify potentially reportable materials and extremely hazardous substances and was responsible for Tier II report preparation for submission to the appropriate local and state agencies. In addition, Mr. Hrenko trained clients in Tier II applicability, facility registration and methods for calculating site-specific Tier II material storage quantities.

Various Industrial Facilities, Indiana, Kentucky, Missouri, EPCRA TRI Applicability and Reporting.

Mr. Hrenko was responsible for preparing 12 Toxic Release Inventory (TRI) reports in accordance with Superfund Amendments and Reauthorization Act (SARA), Title III, Section 313 for private industrial clients. He identified constituents regulated under 40 CFR Part 372 based on safety data sheets (SDS)s and annual usage quantities contained in databases for each company or facility. Additional calculations were required to identify pollutants discharged through wastewater, pollutants discharged through air emissions, and chemicals recycled on-site or off-site. Mr. Hrenko prepared Environmental Protection Agency (EPA) Form Rs or Form As for submittal using the TRI Reporting Software (TRI-me).

Various Industrial Facilities, Illinois, Indiana, Kentucky, NPDES Stormwater Permitting.

Mr. Hrenko assisted various clients to prepare or revise and submit Notices of Intent (NOIs) for various general Kentucky Pollutant Discharge Elimination System (KPDES) permits or National Pollutant Discharge Elimination System (NPDES) permits modifications for industrial facilities in Kentucky, Illinois, and Indiana. He also assisted clients to reduce sampling requirements and laboratory costs by demonstrating substantially identical outfalls.

Various Industrial Facilities, Alabama, Georgia, Illinois, Indiana, Kentucky, Michigan, Missouri, North Carolina, South Carolina, SWPPP/SWBMP Plans.

Mr. Hrenko was responsible for preparing and updating Stormwater Pollution Prevention Plans (SWPPPs) and Stormwater Best Management Practices Plans (SWBMP Plans) for 20 industrial facilities throughout the Midwest to comply with state-specific general or individual NPDES permit requirements. Mr. Hrenko identified potential pollution sources, drainage basins, outfalls, potential spill flow paths, on-site runoff routes, and receiving bodies of water for stormwater runoff from the facilities.

Various Industrial Facilities, Indiana and Kentucky, Stormwater and Wastewater Sampling.

Mr. Hrenko was responsible for monthly, quarterly, and or semi-annual stormwater services at multiple industrial manufacturing and commercial facilities in Kentucky and Indiana. Services included sampling multiple outfalls located at facilities and submitting samples to laboratories for analysis. Sampling was conducted according to industrial wastewater permits or individual or general stormwater permits held by each facility. Mr. Hrenko also performed annual comprehensive compliance evaluations and routine inspections.

Solid Waste**Multiple Landfill Facilities, Iowa, Missouri, Nebraska, Groundwater Monitoring Reports.**

Mr. Hrenko assisted in the preparation of groundwater monitoring reports for multiple landfill facilities in Missouri, Kansas, and Nebraska. His responsibilities included evaluation of laboratory results, preparation of groundwater flow contours, geochemical analysis of groundwater and leachate samples and preparation of the associated engineering report.

Multiple Landfill Facilities, Iowa, Missouri, Nebraska, Annual Liquids Reporting.

Mr. Hrenko prepared several Annual Liquids Report as required by 40 CFR Part 62 Subpart 000. He assisted with the collection and reporting of annual liquid addition and leachate recirculation data and prepared draft reports.

Reno County Landfill, Hutchinson, Kansas, Semi-Annual Report.

Mr. Hrenko organized and compiled landfill gas wellhead readings, flare data, and surface emission exceedances and prepared a semi-annual report to comply with 40 CFR 62 Subpart 000 and 40 CFR 63 Subpart AAAA.

Remediation

Matchett & Sons, Johnson, Florida, Pilot Test and Report. Mr. Hrenko assisted with the implementation of a soil-vapor-extraction (SVE) and air sparging (AS) pilot test. He reviewed well construction details, measured distances to extraction or sparge wells to observation wells, collected depth-to-water measurements at observation wells prior to the pilot test, and collected air flow rates and vacuum or pressure readings during the pilot test. Mr. Hrenko recorded field observations and collected data and was assisted to instruct third-party contractors on the order and locations of pilot testing activities. Mr. Hrenko collected air samples and groundwater effluent samples. After the event, he compiled field data and helped to prepare and write interim deliverables and the pilot test report for submittal to the Florida Department of Environmental Protection (FDEP).

DuraStress Inc., Leesburg, Florida, Remedial Action Plan. Mr. Hrenko compiled historical soil contamination data from soil boring samples and organic vapor analyzer reading to delineate soil contamination and create draft figures for a petroleum-contaminated site in Leesburg, Florida. He delineated groundwater contamination using historical groundwater analytical data. Given the extent of contamination and practicability of remedial options, he assisted with the selection of a remedial technology and strategy. Under the guidance of a professional engineer, he created an excavation plan at selected depth intervals, a cost estimate and wrote a draft of the remedial action plan.

Bud's Grocery, Palatka, Florida, Remedial Action Plan. Mr. Hrenko compiled historical soil and groundwater contamination data to delineate contamination and create draft figures for a petroleum contaminated site in Palatka, Florida. He delineated groundwater contamination in shallow and intermediate zones of the surficial aquifer using historical groundwater analytical data. Mr. Hrenko assisted with the selection of a remedial technology and strategy and calculated petroleum mass estimates from the extent of groundwater plumes and total area of contamination. He sized and selected air compressors, vacuum blowers, aftercoolers, heat exchangers, vacuum blowers, pumps, air stripper, small bag houses, vapor-liquid separators, and carbon vessels for a horizontal dual-phase extraction system under the guidance of a professional engineer. Mr. Hrenko estimated cleanup times, cleanup milestones and created a cost estimate and draft remedial action plan.

Pantry/Kangaroo Express #2645, Deland, Florida, Source Removal. Mr. Hrenko researched NPDES requirements and right-of-way permitting as part of pre-source removal planning activities for a petroleum contaminated site in Deland, FL. He oversaw well abandonments and collected preburn and backfill soil samples and provided oversight during surface removal, excavation sheet piling, dewatering, excavation and backfill activities. He collected organic vapor meter readings and confirmation soil samples.

Tom Thumb #19, Pensacola, Florida, Source Removal. Mr. Hrenko secured an NPDES permit and Florida Department of Transportation (FDOT), and County right-of-way (ROW) permits. He led field oversight efforts related to asphalt and concrete removal and disposal, dewatering system installation, soil excavation and disposal efforts, confirmation sampling efforts, chemical amendment, and backfill and compaction efforts. Additionally, he wrote the draft of the source removal report.

Various Petroleum-Impacted Facilities, North Florida, Air, Soil & Groundwater Sampling and Reporting.

Mr. Hrenko assisted or led various air, soil and groundwater sampling events at petroleum-impacted sites as part of FDEP state-funded programs. He collected and analyzed data, prepared soil and groundwater plumes that were to be used for natural attenuation monitoring or remedial action plans and wrote assessment reports submitted to the FDEP.