



## CHRISTINE CHINOFSKY MANAGING CONSULTANT

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### CREDENTIALS

- ♦ M.S. Environmental Engineering, Drexel University, 2015
- ♦ B.S., Earth Sciences, The Pennsylvania State University, 2011

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### PROFESSIONAL EXPERIENCE

- ♦ 2015 – Present: ALL4 LLC, Kimberton, PA – Managing Consultant
- ♦ 2013 – 2015: USDA-ARS, State College, PA – Research Technician

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### TECHNICAL EXPERTISE

- ✓ State and Federal air permit programs including Nonattainment NSR, PSD, Title V, construction permit applications, Emission Reduction Credit (ERC) applications.
- ✓ PSD Applicability Analyses
- ✓ Annual/semiannual compliance and emissions reporting
- ✓ Tier II reporting, hazardous and non-hazardous waste reporting
- ✓ Toxic Release Inventory (TRI) Reporting
- ✓ PADEP Exemption Nos. 38(a), (b), and (c) Compliance
- ✓ 40 CFR Part 60, Subparts OOOO and OOOOa Compliance and Reporting
- ✓ NESHAP Compliance and Reporting
- ✓ Municipal Solid Waste Landfill Regulations
- ✓ Treatment System Monitoring Plan (TSMP) development and compliance
- ✓ U.S. EPA Reference Method 9 Visible Emissions Testing
- ✓ Continuous emissions monitoring system (CEMS) data reconciliation and periodic reporting
- ✓ Emissions Tracking and Reporting Tools
- ✓ Environmental compliance tool development
- ✓ Reasonably Available Control Technology (RACT)/Best Available Control Technology (BACT) analyses
- ✓ National Pollutant Discharge Elimination System (NPDES) permitting
- ✓ 40 CFR Part 98 Greenhouse Gas Emissions Reporting (Subparts A, C, Y, MM, and W)
- ✓ Risk Management Plan (RMP) development and auditing
- ✓ Spill Prevention, Control, and Countermeasure (SPCC) Plan development

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### PROFESSIONAL OVERVIEW

As a Managing Consultant, Christine Chinofsky has managed a number of air quality permit applications and compliance activities in Pennsylvania, Delaware, New Jersey, New York, Ohio, and other states such as: preparation of Title V Operating Permits (TVOP), Synthetic Minor Operating Permits (SMOP), emissions inventory development, air permit exemptions, construction permit applications, periodic compliance reporting, New Source Review (NSR) and Prevention of Significant Deterioration (PSD) permitting, and Continuous Emission Monitoring Systems (CEMS) data reconciliation and reporting. Ms. Chinofsky has led several project teams dealing with industries such as battery manufacturing, oil and gas upstream and midstream operations, government installations, pharmaceuticals, food manufacturing, sewage incineration, renewable natural gas (RNG) and landfill gas-to-energy (LFGTE) facilities, chemicals manufacturing, internal combustion engines (ICE), printing, and other industrial manufacturing.



**AIR QUALITY PERMITTING EXPERIENCE**

Title V Operating Permit Applications, Multiple Clients, Managing Consultant:

*Managed teams in the preparation of Title V Operating Permit renewal applications and modification applications for facilities located in Pennsylvania (Food and Beverage Manufacturing; Battery Manufacturing; Printing Industry; Institutional Facility), New York (Engine/Municipal Facility; Pulp and Paper Mills), New Jersey (Municipal Facility), Delaware (Chemicals Manufacturing), Virginia (Governmental Facility), and other States.*

State Only Operating Permit Applications, Multiple Clients, Managing Consultant:

*Served as the lead technical staff and managed teams in the development and submittal of State Only Operating Permit original, renewal, and modification applications for facilities located in Delaware (Natural Gas Industry/Engines), New York (Pharmaceuticals), Ohio (Beverage Manufacturing; RNG Industry), Pennsylvania (Wind Turbine Manufacturing; Catalyst Manufacturing; Printing; Industrial Laundering; Beverage Manufacturing), and many other States.*

New and Modified Facility Construction Permits, Multiple Clients, Managing Consultant:

*Served as the technical lead and managed teams in the development and submittal of air construction permits for facilities located in Pennsylvania (Multiple Industries), Ohio (Beverage Manufacturing; RNG Industry), Virginia (Governmental Facility), New York (Pharmaceuticals), New Jersey (Pulp and Paper Mills), and many other States.*

Requests for Determination (RFDs) and Electronic RFDs (e-RFDs), Multiple Clients, Pennsylvania, Managing Consultant:

*Served as the technical lead and managed teams in the development and submittal of Request for Determinations (RFDs) in Pennsylvania in order to request exemption from plan approval requirements at these facilities (Pulp and Paper Mills; Pharmaceuticals; Internal Combustion Engines; Metallurgical Industry; Power Generation; Food Manufacturing).*

RACT Evaluations and Operating Permit Applications in Pennsylvania, Multiple Facilities and Industrial Sectors, Managing Consultant:

*Served as the technical lead and managed teams for multiple RACT projects in Pennsylvania across multiple sectors and facilities including petroleum refining, pulp and paper manufacturing, consumer product manufacturing, rare metals refining, food processing, iron and steel production, chemical manufacturing, pharmaceutical manufacturing. Work products included applicability analyses, top-down RACT analyses including economic evaluation of available control options, and preparation of operating permit modification applications. Post-application effort included discussions and negotiation with state and U.S. EPA regarding RACT permit conditions.*



**AIR QUALITY COMPLIANCE EXPERIENCE**

Municipal Solid Waste (MSW) Landfill Regulations Compliance Reporting, Managing Consultant:

*Served as the technical lead and managed teams in the preparation and development of MSW Landfill Regulations (40 CFR Part 60, Subparts WWW and XXX; 40 CFR Part 62, Subpart OOO; 40 CFR Part 63, Subpart AAAA) semi-annual reports and compliance demonstrations for a client in the RNG and LFGTE industry in Pennsylvania, Ohio, Indiana, and Texas.*

Subpart ZZZZ Compliance Reporting, Multiple Clients, Managing Consultant:

*Served as the technical lead and managed teams in the preparation and development of 40 CFR Part 63, Subpart ZZZZ compliance reports for clients in Virginia (Governmental Facilities) and Delaware (Natural Gas Industry).*

Subpart W Greenhouse Gas Emissions Reporting, Oil and Natural Gas Industry, Texas and Pennsylvania, Managing Consultant:

*Served as the technical lead and managed teams in the preparation and development of 40 CFR Part 98, Subpart W annual emissions reports for a client in the oil and natural gas industry (exploration and production operations, gathering and boosting).*

Emissions Inventory Reporting, Multiple Clients, Managing Consultant:

*Served as the technical lead and managed teams in the preparation of annual emissions inventories for facilities in Pennsylvania (Multiple Industries, including RNG/LFGTE), Ohio (Multiple Industries, including RNG/LFGTE), and many other States.*

Title V Operating Permit Compliance Certifications and Audits, Multiple Clients, Managing Consultant:

*Managed and served as technical lead in the preparation annual and semi-annual Title V permit compliance certification reports and evaluated compliance approaches for complying with Title V permit requirements for facilities in Pennsylvania (Multiple Industries, including RNG/LFGTE), Ohio (RNG/LFGTE Industry), Indiana (RNG/LFGTE Industry), and many other States.*

Continuous Monitoring System (CMS) Data Validation, Reconciliation, and Compliance Plan Management, Multiple Clients, Managing Consultant:

*Managed and served as technical lead for the submission of quarterly and semi-annual CMS reports for facilities in Pennsylvania, Georgia, Illinois, Ohio and Virginia. Experienced in periodic data review and reconciliation of CMS data. Includes Treatment System Monitoring Plan (TSMP) development and compliance assistance for landfill gas treatment systems (e.g., parametric monitoring and reporting).*