



Luke Zhu
ENVIRONMENTAL ENGINEER

CREDENTIALS

- ♦ M.Eng. Environmental Engineering, Cornell University 2014
- ♦ B.S. Chemical Engineering, Cornell University 2012
- ♦ Engineer-in-Training Certification, 2014

**PROFESSIONAL
EXPERIENCE**

- ♦ 2020 – Present: *All4, Philadelphia, PA – Project Engineer*
- ♦ 2019 – 2020 *Environmental Strategy Consultants Inc., Philadelphia, PA – Environmental Engineer*
- ♦ 2014 – 2019 *Air Management Services, Philadelphia, PA – Environmental Engineer*

TECHNICAL EXPERTISE

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| ✓ <i>Environmental compliance strategy</i> | ✓ <i>Philadelphia air permitting and compliance</i> |
| ✓ <i>Air emissions statements and calculations</i> | ✓ <i>PA, NJ, and DE regulations</i> |
| ✓ <i>Air compliance auditing</i> | ✓ <i>Title V and minor source air permitting</i> |
| ✓ <i>Method 9 opacity monitoring</i> | ✓ <i>NSPS, MACT</i> |
| ✓ <i>PPC, SPCC</i> | ✓ <i>TRI reporting</i> |
| ✓ <i>Stormwater, wastewater compliance</i> | ✓ <i>NJ risk assessment screening</i> |
| ✓ <i>Hazardous waste reporting</i> | ✓ <i>Greenhouse gas monitoring</i> |
| ✓ <i>Residual waste 26R reporting</i> | ✓ <i>NJDEP Radius</i> |
| ✓ <i>25R Source Reduction Strategies</i> | ✓ <i>ehsAI</i> |
| ✓ <i>Tier II/CRTK/ERP</i> | |

PROFESSIONAL OVERVIEW

Luke Zhu is a Project Engineer at ALL4 with over seven years of experience in air permitting and compliance and two of those years in air quality consulting. He has supported projects in industries including metal working, pharmaceuticals, manufacturing, chemical manufacturing and distribution, food/drink, and wastewater treatment across Pennsylvania, New Jersey, Delaware, Maryland, New York, Florida, and Montana. Luke has experience in air quality applicability assessments in NSPS, NESHAPs, Greenhouse gas monitoring, NSR, PSD, and other Federal, state, and local regulations. He has worked with clients directly and has supported projects in developing environmental compliance tracking, emissions tracking, regulatory analyses, periodic reports, and permit applications. Luke's multimedia experience consists of developing facility plans (PPC, SPCC, ERP), developing applications (stormwater, wastewater), and reporting (Tier II, residual waste, hazardous waste, IDMR, TRI, RPPR).

Luke joined ALL4 after 1 year of experience in multimedia compliance with Environmental Strategy Consultants, Inc. (ESC). Prior to consulting, Luke has 5 years of professional experience in air permitting and compliance at Philadelphia Air Management Services (AMS). He has experience in writing installation permits, plan approvals, and operating permits; conducting full compliance audits of Title V and minor sources in Philadelphia County; reviewing compliance reports and emission inventories; identifying compliance issues; issuing notices of violation; and carrying out enforcement of compliance issues and violations.