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| **TITLE:** | Environmental Engineering, Environmental Science Meteorological Science |
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| **DEPARTMENT:** | U.S. Department of Energy/National Energy Technology Laboratory (NETL) |
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| **NETL CONTACT:** | Natalie Pekney |
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| **DUTY LOCATION:** | Pittsburgh, PA |

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| **ACADEMIC LEVEL:** | **X** | PhD | **X** | MS |  | BS |  | Undergrad |  | Faculty |

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| **POSITION**  **INFORMATION:** | 1-year appointment; full time (40 hours per week) with the possibility of extension |
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| **CLOSING DATE:** | December 31, 2019 |
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| **WHO MAY BE**  **CONSIDERED:** | United States Citizens, LPRs, & Foreign Nationals with appropriate approval which includes F-1 OPT with EAD (STEM extension not valid), J-1 Exchange Visitor, and LPR with EAD |

**SUMMARY:**

Through the Oak Ridge Institute for Science and Education (ORISE) this posting seeks a post-doctoral researcher who is interested in participating as part of the geologic and environmental sciences focus area research team at NETL. NETL is a multi-disciplinary, scientific and technical-oriented national laboratory. NETL’s Research and Innovation Center (RIC) conducts research to evaluate environmental impacts and risk assessments associated with domestic energy resource development.

NETL’s Natural Gas Infrastructure Program is aligned with the President’s objectives to strengthen natural gas pipeline reliability and ensure infrastructure security. Under this program, the Methane Emissions Quantification Program was designed to understand and quantify methane emissions from natural gas infrastructure to facilitate decision making regarding emissions mitigation. This program would build on recent research conducted in-house by NETL in quantifying methane emissions as well as outside stakeholders (PHMSA, EPA, NOAA, EDF, GTI and others). The program will provide valuable input to identifying critical research needs (gaps) for methane mitigation technologies and would also inform EPA’s Greenhouse Gas Inventory. Specific areas of research include: i) data collection of component level emissions, which includes natural gas pipeline leaks, and ii) reconciling ‘top-down’ and ‘bottom-up’ measurements, which include legacy oil and gas well methane emissions measurements.

Applicants for this position must demonstrate knowledge of and have experience in areas including atmospheric chemistry and physics, environmental data statistical interpretation, environment field research, atmospheric dispersion modeling, and analytical chemistry.

**HOW TO APPLY:**

Applicants should apply through the Oak Ridge Institute for Science and Education (ORISE) program. The ORISE Program provides opportunities for undergraduate students, recent graduates, graduate students, postdoctoral researchers, and faculty researchers to apply classroom knowledge in a real-world setting to learn about NETL Research and Innovation Center’s (R&IC) core mission areas.

* Interested applicants should complete the online application at <http://www.orau.gov/netl/>.
* In the online application **list** Natalie Pekney **as your requested mentor.** This will associate your application with this job posting. Additionally, please send a CV to [Natalie.pekney@netl.doe.gov](mailto:Natalie.pekney@netl.doe.gov).
* If you have additional questions please contact Patricia Adkins-Coliane, [Patricia.adkins-coliane@netl.doe.gov](mailto:Patricia.adkins-coliane@netl.doe.gov), who is the NETL Graduate Education Program Manager.