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Opportunity Title: Environmental Engineering, Environmental Science
Meteorological Science-PGRP
Opportunity Reference Code: NETL-2018-PGRP-Pekney-1

Organization National Energy Technology Laboratory (NETL)

Reference Code NETL-2018-PGRP-Pekney-1

How to Apply A complete application consists of:

- An application
- Transcripts – Click here for detailed information about acceptable transcripts
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to NETLadmin@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline 12/31/2019 11:59:00 PM Eastern Time Zone

Description 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.

Qualifications Applicants 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.

Eligibility

- **Degree:** Any degree .

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Requirements

- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (2 👁)
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (45 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Other Non-Science & Engineering** (2 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (1 👁)
  - **Social and Behavioral Sciences** (27 👁)

Affirmation I certify that I:

- Have an earned or will receive a doctoral or master's degree by appointment start date.

OR

- Have received the degree no more than three years before the date of application (postmasters' applicants).

OR

- Have received the degree no more than five years before the date of application (postdoctoral applicants).