Kevin Brandt

Health Physicist

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SUMMARY

Health Physicist with 6 years in radiation protection at a federal nuclear cleanup site. Runs MCNP shielding models, dose assessment and ALARA reviews for waste retrieval work, keeps programs compliant with 10 CFR 835, and writes clear reports in the Microsoft Office Suite for managers and DOE reviewers.

SKILLS

- **MCNP**
- **Dose Assessment**
- **ALARA**
- **Internal Dosimetry**
- **Radiation Surveys**
- **10 CFR 835**
- **Air Sampling**
- **Microsoft Office Suite**
- **Communication Skills**

EXPERIENCE

Health Physicist 05/2022 - Present

Columbia Basin Remediation Services Richland, WA

Radiological engineering group supporting tank waste retrieval and facility demolition.

- Build MCNP shielding models for 12 waste retrieval jobs, keeping projected worker dose under 500 mrem each.
- Lead ALARA reviews on high-dose work packages, cutting collective dose by **18%** over 3 years.
- Perform internal dosimetry assessments for 40 bioassay cases a year and document results for DOE audits.
- Write radiation work permit technical bases for 60 jobs a year and brief crews before high-risk tasks.

Associate Health Physicist 06/2020 - 04/2022

Columbia Basin Remediation Services Richland, WA

Entry-level role in the radiological control program.

- Reviewed 300 radiation surveys a month for trends and survey gaps.
- Updated 18 radiological control procedures to match a revision of 10 CFR 835.
- Analyzed air sampling data from 25 continuous monitors and flagged 2 failing pumps.
- Prepared monthly dose reports in Excel for 900 radiation workers.

Health Physics Intern 06/2019 - 09/2019

Pacific Northwest Radiological Laboratory Richland, WA

Summer internship in the instrument calibration lab.

- Calibrated 150 survey meters against reference sources.
- Wrote a Python tool to track calibration due dates for 600 instruments.
- Shadowed 10 field survey jobs with senior health physicists.

EDUCATION

Bachelor of Science 06/2020

Oregon State University Corvallis, OR

Radiation Health Physics

CERTIFICATES

Certified Health Physicist, Part I

American Board of Health Physics

2024

Radiological Worker II

U.S. Department of Energy

2020