

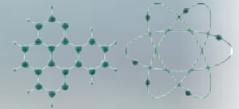
Science.

Technology.

Innovation.

Radiological Science and Engineering Group

Environmental Impact Statements and Environmental Assessments



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The Radiological Science and Engineering Group (RSEG) has proven experience in managing, preparing, and writing environmental impact statements (EISs) and environmental assessments (EAs). Our expertise is unmatched in proposed actions involving radioactive materials. Our team offers the full range of technical, management, legal, public involvement, and publishing skills needed for EISs and EAs. Our pool of experts in each specialty ensures that depth of experience and knowledge is brought to every technical area. We conduct environmental site audits, public meetings, and inter-agency consultations and prepare draft EISs for comment, responses to public comments, and final EISs.

Breadth of Expertise, Depth of Experience

The Radiological Science and Engineering Group has prepared numerous EISs and EAs for a wide range of clients, both public and private:

NRC Supplemental EISs for License Renewal of Commercial Nuclear Plants, U.S. Nuclear Regulatory Commission—1998-present

As of early 2004, the RSEG has been primary preparer for NRC license renewal EISs for 18 nuclear power plants.

Hanford Site Solid (Radioactive and Hazardous) Waste EIS, U.S. Department of Energy—1997-2004

This major EIS required RSEG support in project management, land use, air quality, resource use, human health and safety, and cumulative impacts.

Second Supplemental EIS (SEIS) for the Waste Isolation Pilot Plant (WIPP) Disposal Phase, U.S. Department of Energy—1994-1997

RSEG supported the primary preparer of the Supplemental EIS in developing waste storage alternatives and provided technical expertise in project management, air quality and noise, cultural resources, public involvement, site characterization, emergency management, and radiation protection.

EIS for Geologic Repository for Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain, Nye County, Nevada, U.S. Department of Energy—1996-2002

RSEG staff provided technical leadership in air quality, public and occupational health, safety, noise, cultural, and accident analyses.

Ongoing
Completed

RSEG capabilities draw on PNNL's multidisciplinary expertise in supporting and creating EISs and EAs

Project Planning

Our staff have extensive academic and real-world experience in planning, organizing, managing, and controlling projects, including multi-volume documents, for government, regulatory, industrial, and private clients. We have an outstanding record for completing NEPA documents on time and within budget.

Scientific Expertise

Our in-house project managers, regulatory analysts, engineers, and scientists describe, test, develop, predict, or monitor complex systems and their impacts on people and the environment. We help our clients understand how proposed actions could impact

- project management and planning,
- public scoping,
- air quality,
- noise analysis,
- water quality,
- geologic resources,
- radiation protection,
- terrestrial ecology,
- aquatic ecology,
- land use,
- socioeconomics,
- environmental justice,
- cultural resources,
- public involvement,
- site characterization,
- traffic and transportation,
- human health and safety,
- resource use,
- aesthetic and scenic resources,
- cumulative impacts, and
- alternatives analysis.

Regulatory Analysis

Using detailed research methods, PNNL and RSEG examine permit and license requirements for the alternatives under consideration in a draft environmental impact statement (EIS). We have over 30 years experience in researching, analyzing, and communicating environmental laws and policies. Several of our regulatory experts have their juris doctorate degrees. We use sophisticated research tools, including Lexis-Nexis®. In addition, we prepare draft versions of Federal Register notices related to EISs and responses to public scoping comments and public comments on draft EISs.

Stakeholder Involvement

Supporting clients' interactions with stakeholders is an important component of the NEPA process. We can help clients avoid the pitfalls of misunderstandings that lead to delays by

- Supporting interactions with federal, state, and local agencies, special interest groups, and tribes
- Preparing and helping to implement public participation plans
- Soliciting comments from interested parties and tribes
- Striving to ensure that all comments are considered, draft responses are prepared, and alternatives and potential environmental impacts are addressed
- Participating and providing logistical support to public meetings.

Publishing

Award-winning writers, editors, graphic artists, and indexers create accurate, consistent, and readable EAs, EISs, reports, fact sheets, and Web pages. We can provide the necessary written and electronic pieces to support a smooth NEPA process.

