

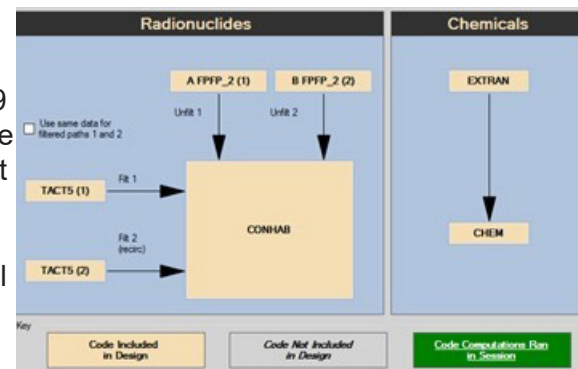
Value Delivered

- ✓ Detailed evaluation of proposed chemicals
- ✓ Thorough assessment of potential interactions with other chemicals on site
- ✓ NRC-approved modeling methodology
- ✓ Industry's best in business processes & procedures
- ✓ Extensive nuclear & chemistry industry experience
- ✓ Exhaustive analysis & practiced technical rigor
- ✓ Trusted experts' assessment of any changes to chemicals used at nuclear power plants

Industry Challenge

Control room habitability is a vital element in the safe and successful operation of a nuclear power plant. Additionally, 10 CFR Part 50 Criterion 19 requires that a control room be provided where personnel can safely operate the nuclear power unit under normal conditions and maintain under accident conditions.

So NRC Regulatory Guide 1.78 requires that a nuclear power plant's control room be protected from hazardous chemicals which could become dangerous if equipment failures, human errors, or events and conditions outside the control of the nuclear power plant occur.



ChemStaff Solution

ChemStaff's expert consultants offer extensive, trusted experience evaluating chemical and chemistry program changes before those changes are implemented. We will evaluate the control room's required habitability for use of new chemicals or changes to existing chemicals on site to ensure plant design and licensing basis limits for control room habitability are safe and unchanged by any proposed revisions. In accordance with the requirements of Reg Guide 1.78 Revision 1, we perform our evaluations using the NRC-approved computer modeling codes to not only meet but exceed industry standards.

After we evaluate the control room's habitability, we deliver a comprehensive report detailing the inputs and outputs for the computer modeling, comparison of results to applicable requirements, and a summary of any sensitivity analysis for unavailable parameters or significant assumptions, if applicable.

