

# RETSCode

Software for Evaluating, Controlling, and Demonstrating Regulatory Compliance For Reactor Radioactive Effluents

**RETSCode** is WINDOWS™ software that performs all of the calculations and reporting as required by a nuclear power plant's Radioactive Effluent Technical Specifications (RETS) and Offsite Dose Calculation Manual (ODCM). **RETSCode** has been designed for easy customization to each plant's ODCM and operating procedures; it is not an off-the-shelf, one-size-fits-all product.

## Liquid and Gaseous Release Permits and Compliance Reports

- Release permits customized to existing plant procedures
- Radiation Monitor Setpoints and Release Rates
- Monthly and Quarterly Radiochemical Analysis
- Dose Assessments for Appendix I Compliance
- Annual Effluent Report in Reg. Guide 1.21 format

## Plant-Specific Configuration

- Customized to plant specific ODCM requirements – dose methodology, release points and radiation monitors
- Ability to integrate radiation monitor specific radionuclide sensitivity
- Customized ALARA action levels and dose constraints

Dose Commitments (mrem)

	This Release	91-Day	Quarterly	Annual
Total Body	1.66E-03	2.29E-03	1.66E-03	1.66E-03
Liver	2.53E-03	3.49E-03	2.53E-03	2.53E-03
Kidney	8.56E-04	1.18E-03	8.56E-04	8.56E-04
Bone	1.83E-03	2.53E-03	1.83E-03	1.83E-03
Thyroid	1.43E-05	1.97E-05	1.43E-05	1.43E-05
Lung	2.83E-04	3.90E-04	2.83E-04	2.83E-04
GI-LLI	2.22E-04	3.07E-04	2.22E-04	2.22E-04

For Information contact: Val Malafeew @ 301-824-6631



788 Sonne Drive • Annapolis, Maryland, 21401  
 410-266-9174 (v) • 410-266-5811 (fax)  
[www.chesnuc.com](http://www.chesnuc.com)