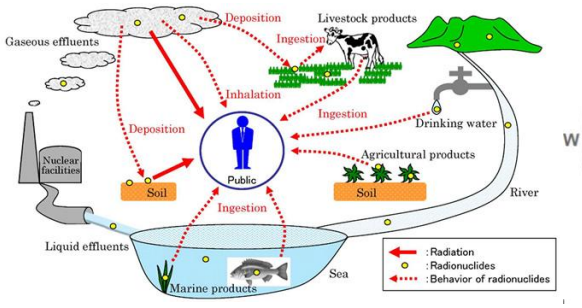
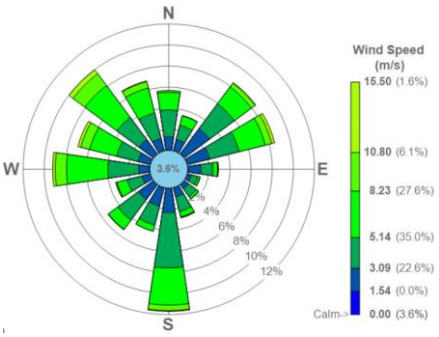
Basis and Application of the Offsite Dose Calculation Manual





January 19th through 23rd, 2026

St. Lucie Nuclear Plant

Monday through Thursday 8:00 am – 5:00 pm

Friday 8:00 am – 12:00 pm

Cost: $2,600 per person

A class social activity will be held, so please plan to attend and take advantage of this fantastic networking opportunity!

Visit https://www.radiologicalsolutions.com/training to enroll

For questions, please contact: Bob Claes 630.337.2629 rclaes@radiologicalsolutions.com

Note: RSI reserves the right to cancel the class and refund the fees due to insufficient registration, weather, etc.

Course Outline

Module	Module Title	Content
1	Definitions, Bases, Regulations, Controls and Surveillances	• What is the ODCM? • Sources for Definitions • Importance of Definitions • ODCM Bases • Modifying the Bases
2	Concept of Pathway Analysis	• Reg Guide 1.109 exposure pathways • Sources of radioactive effluents • Regulatory position regarding “significant pathways” • Environmental dispersion and migration of radioactive materials • Identify locations important to exposure • Industry best practices and lessons learned • Practical exercise
3	Liquid Effluent Monitoring	• Review of governing regulations • Process radiation monitoring instrumentation • Liquid effluent controls and surveillances • Liquid waste sampling • Liquid radiation monitor setpoints • Liquid radwaste treatment system • NRC inspection procedures related to liquid effluents • Industry best practices and lessons learned • Practical exercise
4	Gaseous Effluent Monitoring	• Review of governing regulations • Process radiation monitoring instrumentation • Gaseous effluent controls and surveillances • Gaseous waste sampling • Gaseous radiation monitor setpoints • Gaseous radwaste treatment system • NRC inspection procedures related to gaseous effluents • Industry best practices and lessons learned • Practical exercise
5	Dose Analysis	• 10CFR50 • Reg Guide 1.109 • NUREG-0133 • Reg Guide 1.111 • Practical dose calculation
6	Additional Controls and Regulations	• Liquid and gaseous dose • Ventilation exhaust treatment system • Total dose • Reg Guide 1.21 • Annual Radioactive Effluent Release Report • Reg Guide 4.15 • 10CFR50.75g
7	Radiological Environmental Monitoring Program	• Regulatory requirements of the REMP • REMP controls and surveillances • Identifying REMP sample locations and media • NRC inspection procedures related to REMP

Additional Information

- Course Duration: 4.5 days