



SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Spring LLW Forum

April 8-10, 2025





SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Proposed Rule - Integrated Low-Level Radioactive Waste Disposal

Kimberley Noonan

South Carolina Department of Environmental Services

BLWM Radiological Waste



Agenda

- SC Radioactive Waste Program
 - Barnwell Facility
 - S.C. rule adoption
 - 'Exception' rule
-

South Carolina Radioactive Waste Program

SC Department of Environmental Services Bureau of
Land and Waste Management Radioactive Waste
Program:

- BLWM Assistant Bureau Chief- Stacey French, P.E.
- Radioactive Waste Director- Kent Krieg (April 1, 2025)
- Radioactive and Infectious Waste Manager- Currently vacant
- Regulators/inspectors- Kevin Strickland, Crispulo Isiminger, and Kimberley Noonan



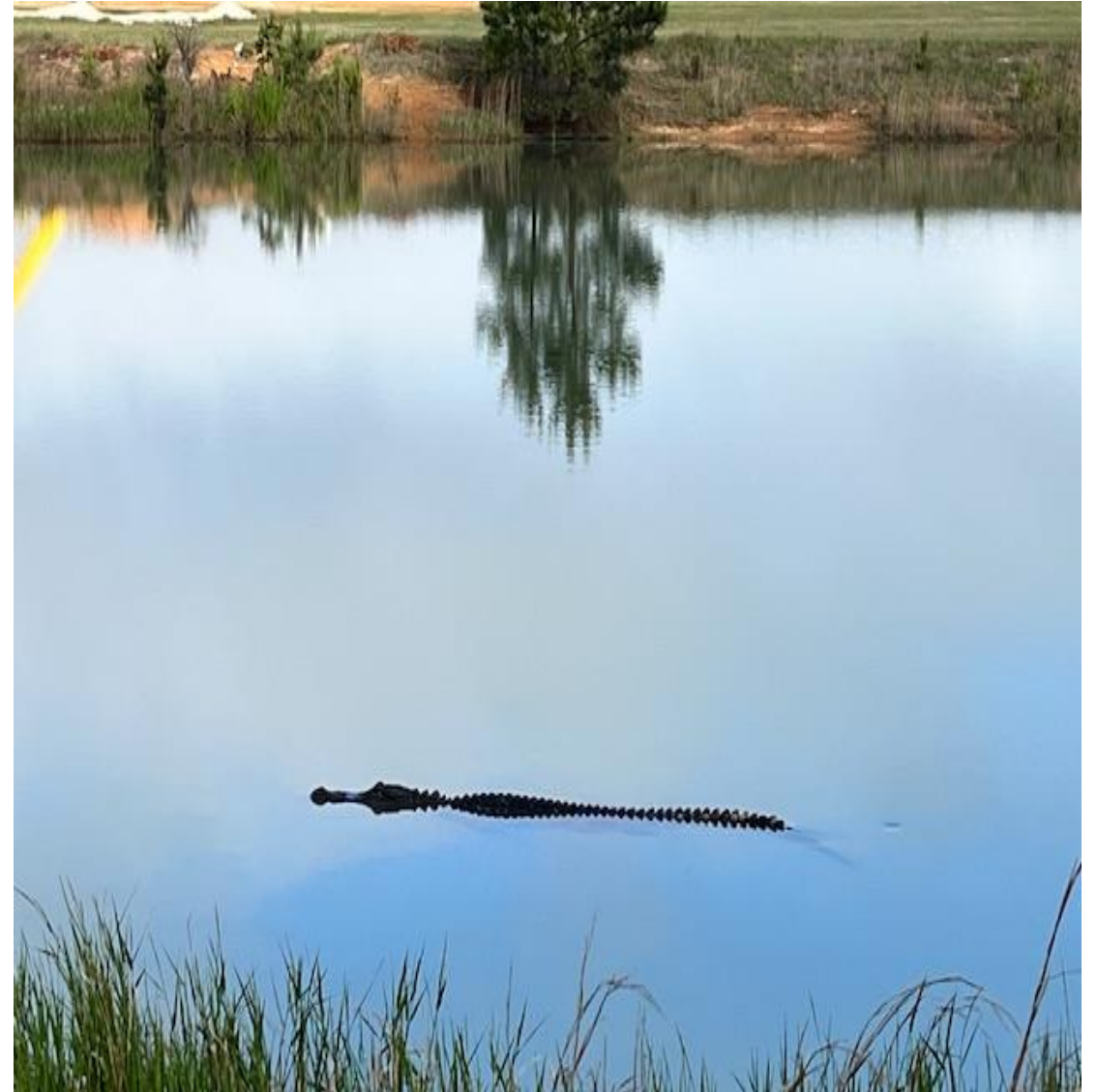
South Carolina Radioactive Waste Program

- Kevin Strickland- onsite inspector
 - In-bound and out-bound shipments
 - Site inspections and environmental monitoring
 - WIPP point of origin inspections
 - Robert.Strickland@des.sc.gov
- Crispulo Isiminger- central office
 - License applications- new and renewals
 - Transportation permits
 - Licensee Inspections
 - Crispulo.Isiminger@des.sc.gov
- Kimberley Noonan- central office
 - License applications- new and renewals
 - Transportation permits
 - Licensee inspectors
 - Kimberley.Noonan@des.sc.gov



Energy Solutions Barnwell Facility

- Located at 740 Osborn Road
- Disposal site for the Atlantic Compact- South Carolina, New Jersey, and Connecticut
- Started operations in 1971
- Class A, B, and C waste
- Approximately 235 acres
- Approximately 11.5 acres remaining





S.C. Rule Adoption

1. South Carolina Department of Environmental Services (formally SC DHEC) was established effective July 1, 2024. As a result of this restructuring, our regulation development process is still evolving.
2. The NRC passes the regulatory changes, and an effective date.
3. BLWM staff work with regulation development staff to compile changes to the NRC 10CFR and make it compatible with our R61-63. SC DES tries to implement the rulemaking within 3 years of the NRC's effective date and often does so in two years.
4. The draft is sent to the NRC for review of our revisions, and make sure that compatibility is met. This is where it may become a draft again, until all comments, changes, corrections, so on...have been made. The NRC approves the regulatory revisions and notifies our State Liasson of their approval.

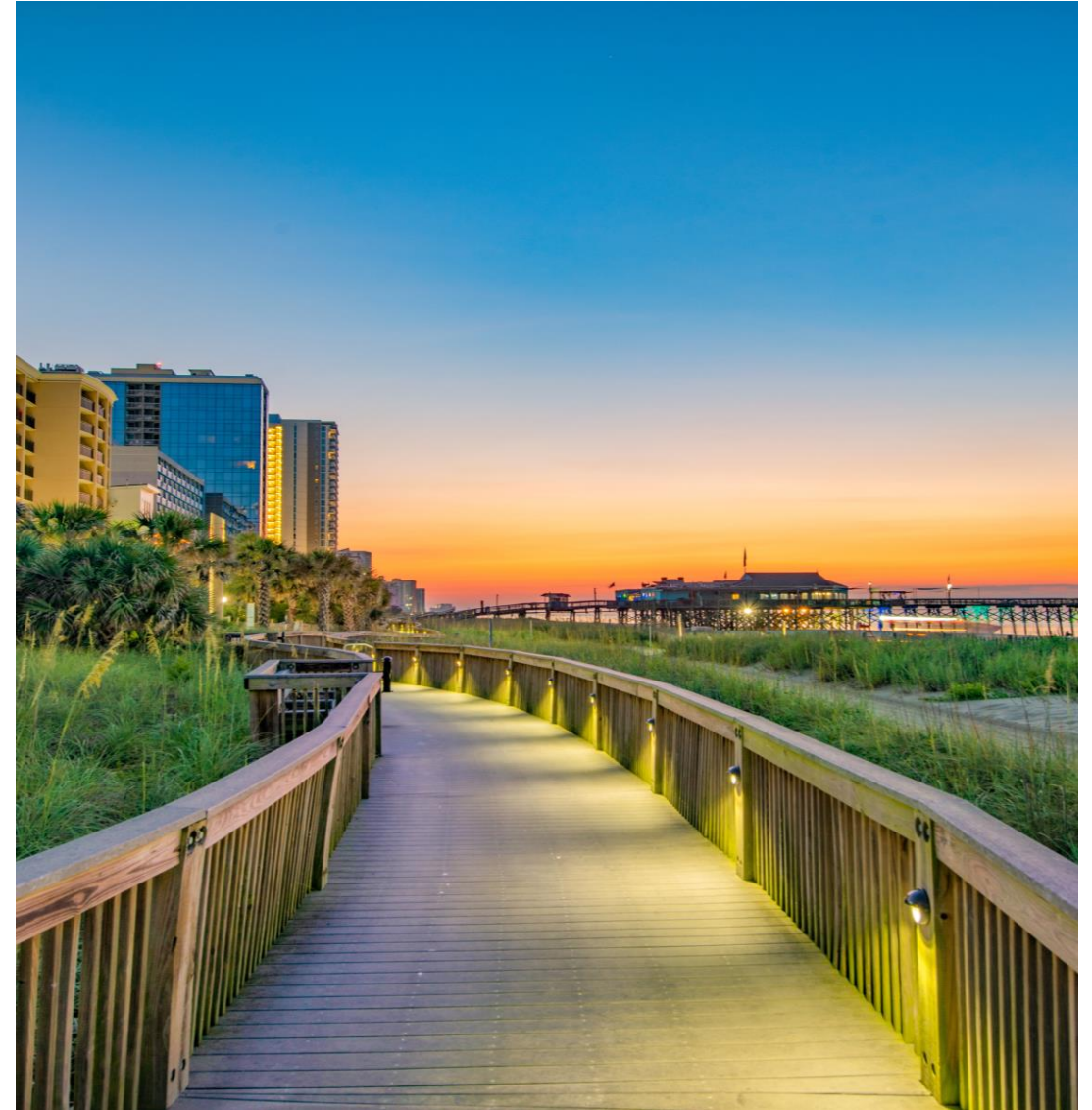


'Excepted' Criteria

§ 61.1 (b) (Purpose and scope)

Exception criteria

- the land disposal facility license was originally issued before the effective date of this rule; and
- the licensee does not accept GTCC or a significant quantity of long-lived radionuclides after the effective date of this rule
- Licensees who meet these exceptions do not need to comply with revised Technical Analyses (§ 61.13), revised Performance Objectives (§ 61.41 and § 61.42), and WAC (§61.58)
- Excepted licensees would be required to comply with original Part 61 regulations for these sections above





SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Get in touch

Kimberley Noonan

**RIWM Compliance Specialist and
Training Coordinator
Division of Waste Management**

O: 803.898-0499

F: 803.898.0391

Kimberley.Noonan@des.sc.gov

Crispulo Isiminger

**Rad Waste Compliance Specialist
Division of Waste Management**

O: 803.898-0422

F: 803.898.0391

Crispulo.Isiminger@des.sc.gov

Kevin Strickland

**Rad Waste Compliance Specialist
Division of Waste Management**

O: 843-670-8676

F: 803.898.0391

Robert.Strickland@des.sc.gov

@SouthCarolinaDES

