



**North Carolina Emergency Management
REP Program**



2022 BNP IPZ GRADED JULY EXERCISE

NPP: Brunswick Nuclear Plant	LOCATION: Various Locations	DATES: July 25 th – 29 th
AGENCIES: Risk Counties IPZ Counties State and Federal Partners	UTILITY: Duke Energy	PRIMARY POCs: Duke Energy: Lee Jackson, lee.jackson2@duke-energy.com FEMA: Farrah Stewart, farrah.stewart@fema.dhs.gov NCEM-EBO: Robin Lorenzen, robin.lorenzen@ncdps.gov NCEM REP Program: Hendrix Valenzuela, Hendrix.valenzuela@ncdps.gov NCEM Training & Exercises: Derrick Morris, derrick.morris@ncpds.gov NCEM PIO: Keith Acree, keith.acree@ncdps.gov

EXERCISE WEEK OUTLOOK

MONDAY 07/25	TUESDAY 07/26	WEDNESDAY 07/27	THURSDAY 07/28	FRIDAY 07/29
IN-BRIEFING DAY	DAY1 EX. PLUME PHASE	DAY2 EX. IPZ COUNTIES	FEMA's WRITING DAY	OUT-BRIEFING DAY

LOCATION(S)

BRUNSWICK COMMUNITY COLLEGE 150 College Rd NE, Bolivia, NC 28422	NHC EOC BRUNSWICK EOC DUKE EOF SEOC RCCE EX. FIELD TEAMS LOCATIONS TBD	SAMPSON COUNTY EXPO CENTER 414 Warsaw Rd, Clinton, NC 28328	BRUNSWICK COMMUNITY COLLEGE 150 College Rd NE, Bolivia, NC 28422
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TIME SCHEDULE

1600HRS State In-Briefing	0730HRS Evaluators on-site	0800HRS Check-in	1000HRS Participants out-briefing
1630HRS FEMA/Evaluators meeting	0800HRS Ex. Start Time/Normal Day Ops End time: Not available <u>Day 1 –Full-Scale Exercise</u> Demonstration (physical) Interview(s)	0900HRS Ex. Start time End time: Not available <u>Day 2 –Tabletop Exercise</u> Observation Discussion Coordination Interview(s)	1100HRS Public Meeting



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AGENCIES/COUNTIES INVOLVED				
MONDAY 07/25	TUESDAY 07/26	WEDNESDAY 07/27	THURSDAY 07/28	FRIDAY 07/29
NHC BRUNSWICK NCEM NCDA&CS DHHS-RPS FEMA FRMAC <i>*IPZ Counties attendance is welcome</i>	NHC BRUNSWICK NCEM NCDA&CS DHHS-RPS FEMA *any other NCEM would be using for response.	NEW HANOVER BRUNSWICK BLADEN SAMPSON COLUMBUS PENDER ONSLOW HORRY, SC NCEM NCDA&CS DHHS-RPS NCSHP FEMA FRMAC(DOE) NCSHP <i>*Any other agency NCEM would be using for response.</i>		NHC BRUNSWICK NCEM NCDA&CS DHHS-RPS FEMA <i>*IPZ Counties attendance is welcome</i>

EXERCISE OVERVIEW & EVALUATION CRITERIA

Established set of Objectives and Capability Targets	NUREG-0654/FEMA-REP-1 Reference
<ol style="list-style-type: none"> 1. Emergency Operations Management <i>(Eval. Day1 & 2)</i> <ul style="list-style-type: none"> • Protective Action Recommendations • Protective Action Decisions for the Post-Plume Phase • Protective Action Decision Implementation for the Post-Plume Phase 2. Exposure Control <i>(Eval. Day1 only)</i> 3. Alert & Notification <i>(Eval. Day1 & 2)</i> <ul style="list-style-type: none"> • Emergency Information and Instructions for the Public and News Media 4. Detect, Measure, Sample, Analyze, and Assess <i>(Eval. Day 1 & 2)</i> <ul style="list-style-type: none"> • Post-Plume Phase Sampling Plan Development and Analysis 5. Operate <i>(Eval. Day1 only)</i> 	<p style="color: red; text-decoration: underline;">Additional as defined and outlined in the adopted EOPA</p> <p style="text-align: right;">RPM Page 183 RPM Page 188 RPM Page 191 RPM Page 193 RPM page 205 RPM page 213</p>

What FEMA Evaluates and looking for during Exercises

Ingestion exposure pathway exercises are conducted at least **once every eight years**. These exercises include mobilization of state, local, and tribal government personnel and resources and implementation of emergency plans to demonstrate response capabilities to a release of radioactive materials requiring post-plume phase protective actions within the ingestion exposure pathway emergency planning zone.

FEMA assesses **offsite planning and preparedness** for communities within the plume and/or ingestion exposure pathway emergency planning zone of commercial nuclear power plants through an established set of objectives and capability targets that reflect the intent of the planning standards of 44 CFR 350 and the evaluation criteria of NUREG-0654/FEMA-REP-1. Thus, FEMA considers these objectives/capability targets to be the benchmarks for FEMA’s validation of reasonable assurance.

SPECIAL INSTRUCTIONS:

- IPZ/EPZ Counties to bring their County REP plans with them.
- Plan on arrival 30 min. early for IPZ Day2/July 27th and please sign-in
- Copies of the FEMA Program Manual will be available on-site.

BRUNSWICK NUCLEAR PLANT (BNP) INGESTION PATHWAY TABLETOP EXERCISE "OPERATIONS" LAYOUT

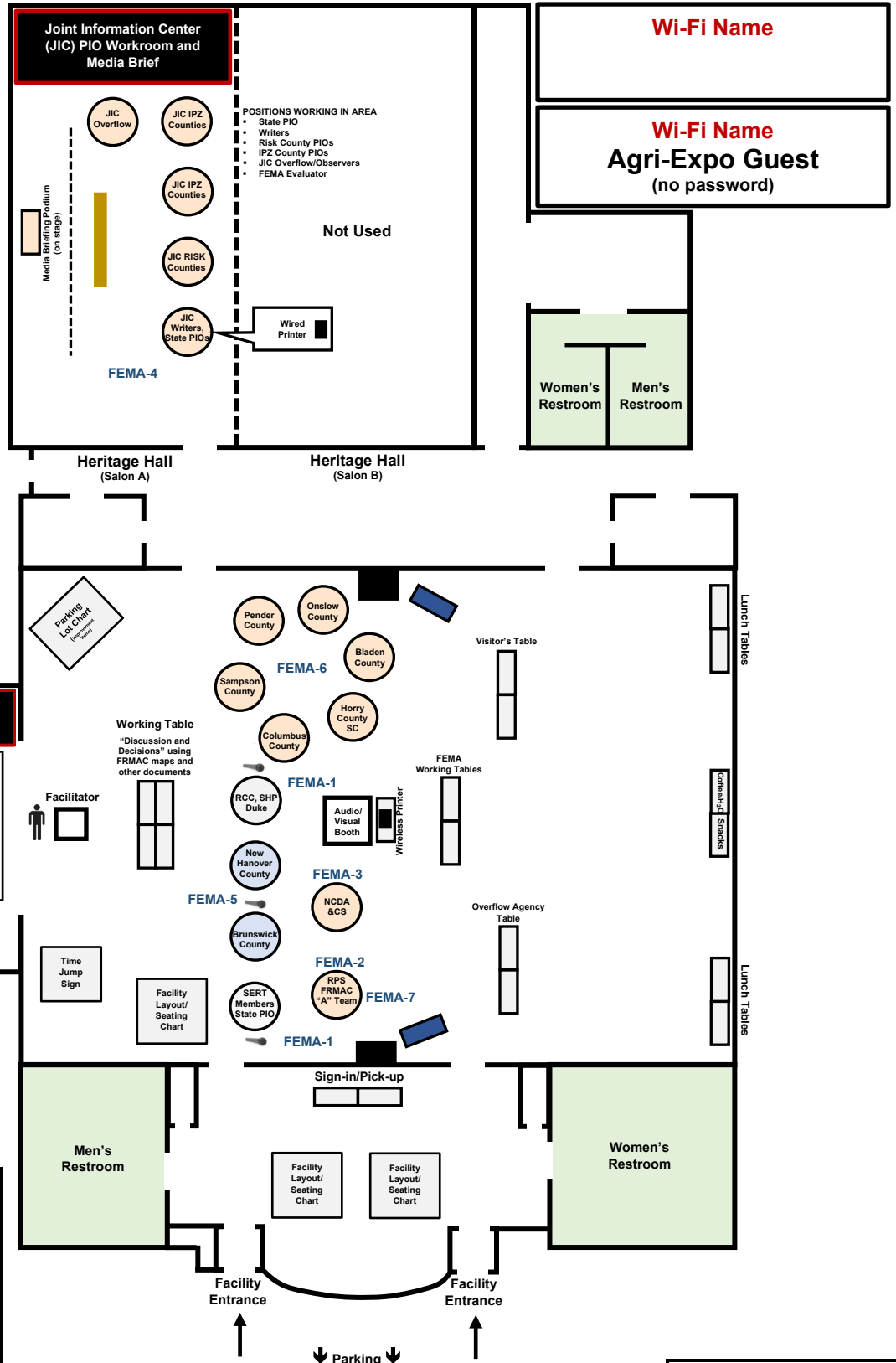
July 27, 2022

THE MISSION

HOW DO WE "PROTECT THE PUBLIC"?

During the Tabletop Exercise

- When speaking, use a microphone
- Prepare to "volunteer" spokesperson from each table when protective action responses are being discussed
- Open book test
- Use your procedures/guidelines
- Use the REP Manual
- Use the handouts
- Use other agencies represented in the room (e.g., FRMAC, Advisory Team)
- Call a life-line...
- Talk with someone
- Have discussions
- Stay clear of **acronyms**



PLEASE LOCATE YOUR AGENCY
SEATING UPON ARRIVAL

Legend	
	8' Rectangle Table (various use)
○	State SERT, SHP, Duke Energy
○	Risk (EPZ) Counties
○	Ingestion Pathway Zone (IPZ) Counties
■	Monitor Displays (Time Jumps, FRMAC mapping, etc.)
Acronyms	
A Team	Advisory Team (USDA, FDA, EPA, CDC, Other)
NCDA &CS	North Carolina Department of Agriculture & Consumer Services
RPS	Radiation Protection Section
RCC	Regional Coordination Center (Eastern Branch Office)
FRMAC	Federal Radiological Monitoring and Assessment Center

FEMA Evaluator Assignments	
#	Assignment
FEMA-1	NCEM (2 areas)
FEMA-2	Radiological Health
FEMA-3	NC Agriculture (Ag.)
FEMA-4	Joint Information
FEMA-5	Risk (EPZ) Counties
FEMA-6	IPZ Counties
FEMA-7	Federal Collaboration