

NJDEP Radiological Communications and Assessment Portal (RadCAP)

RadCAP Operations Web Application

Map Navigation Tools

Basemaps, Layers, & Legend

Bureau of Nuclear Engineering Facility	Activated for radiological response drills and events. Staffed by multiple agencies.
<ul style="list-style-type: none"> Activated Not Activated 	
Emergency Worker Decon Centers	Activated during radiological event for emergency worker decontamination.
<ul style="list-style-type: none"> Activated Not Activated 	
Oyster Creek Wind Direction	Edited by operations staff to display wind direction and speed.
OC Radiation Monitors	Radiation monitors transmit radiation value & wind direction & speed to the ARMS database every minute. Monitor is considered inactive if the reading is older than 1 minute and offline if > 24 hours.
<ul style="list-style-type: none"> Normal Elevated Respond Normal, Inactive Elevated, Inactive Respond, Inactive Offline 	
Wind Sectors	Edited by Operations staff, displays status for 2, 5, & 10 mile sectors based on current wind direction.
<ul style="list-style-type: none"> Normal Monitor & Prepare Shelter Evacuate 	
Emergency Response Planning Areas (ERPAs)	Emergency Response Planning Areas (ERPAs) are used by State, County, and Local Emergency Operations agencies to alert or evacuate the public based on current conditions. Status is edited by Operations staff.
<ul style="list-style-type: none"> Normal Monitor & Prepare Shelter Evacuate 	

Custom Widgets

Attribute Tables

The Bureau of Nuclear Engineering (BNE) provides radiation protection for individuals in New Jersey through establishing, implementing and enforcing radiation protection measures and standards as applicable to the nuclear power industry. RadCAP provides a common operating picture in response to a radiological incident or drill for the Oyster Creek and Salem Nuclear Generating stations. This system replaced a paper-based workflow for designating evacuation areas during a nuclear release and brings additional command and control (C2) capabilities to the Regional Operations Intelligence Center (ROIC). The radiation monitor information supports quarterly exercises involving up to three hundred people. User privileges are role based and managed in NJDEP's AGO Organization. Only Operations staff have edit rights for the datasets in the application. An Operations Dashboard provides real-time situational awareness of the radiological incident or drill for viewers without edit rights.

Update Status of ERPAs & Wind Sectors

Add / Edit Significant Events

Update Wind Direction & Speed

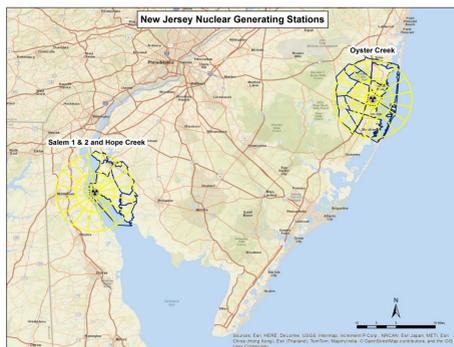
Update Status of BNE Facility & EWDCs

Add Data from ArcGIS Online, REST, or Local (SHP,CSV, or GPX)

Operations Staff manage event using RadCAP Web Application built with Web App Builder

Information Products for Staff, State, County, & Local Officials for Situational Awareness and Decision Making

RadCAP General Information Dashboard



Map Production: Ed Apalinski NJDEP BGIS, 4/2017
For more information visit Bureau of Nuclear Engineering web page <http://www.nj.gov/dep/rpp/bne/>



Oyster Creek Operation View

Radiation Monitors

OC13, LRAD 0.0054

Selected Monitors

OC13
Station # 57
RAD=0.0052 mR/hr: April 10, 2017 Status:Normal
Wind Direction 271 Status: Current
Wind Speed 0 Status: Current

Map Tools

Interactive Chart View of Monitor Radiation Values-Clicking on the bar selects the feature on the map display and populates the list below with pertinent information

Information for monitors selected in the Radiation Monitor Chart

ERPAs Status

Significant Events

- 1200 : GE Lifted
- 1118 : General Emergency; EAL: FG1
- 1117 : Release in Progress; filtered stack release
- 1114 : Emergency Diesel Generator #2 Repaired and Available
- 1015 : State of Emergency Declared
- 1000 : Site Area Emergency Declared; EAL: FS1
- 0955 : EMRV's Open; Core Spray Active; RCS Leakage; One Containment Spray Out of Service
- 0953 : EDG2 Fail to Start; EDG1 Running; Offsite Power is Available
- 0950 : Primary Containment Leak; Drywell Pressure High
- 0950 : Feedwater Pump A Out of Service

Interactive Pie Chart displaying the status of ERPAs. Clicking on wedges will highlight features in that category on the map

Significant Events List-Displays the Significant Events added by operations staff in the RadCAP Operations application