



# WINGS 2016

## Aerial Response Exercise

Ocean County, New Jersey

June 2016



# Overview

## WINGS Exercises



Local emergency responders will most likely be the first on scene at a radiological incident.



Dependent of the size of the response, the need for additional aerial assets may be great



To achieve a seamless integration of all aerial assets into a unified response



To improve aerial emergency response techniques and establish working relationships with responding agencies

*“We train as we fight and we fight as we train”*



# OVERVIEW

## WINGS Exercises



FEMA-NIRT Sponsored Project (3-years)

Project Year	Planning Agency	Location
2014	DOE	NNSS (Nevada)
2015	DOE	Sumter, South Carolina
2016	EPA	Ocean County, New Jersey



Interoperability for Aerial Radiation Detection Assets



Improve aerial emergency response techniques and establish working relationships with responding agencies

WINGS is designed to be a series of tabletops and field exercises to aid in effective collaboration of multiple aerial radiation detection assets.

*"We train as we fight and we fight as we train"*



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# Goals

## WINGS Exercises

	<u>2014</u>	<u>2015</u>	<u>2016</u>
 Real-time development of a response plan	✓	✓	✓
 Exercise an Incident Command Structure	✓	✓	✓
 Coordination and prioritization of multiple aerial assets	✓	✓	✓
 Conduct measurements of actual contamination	✓	✓	✓
 Establishment of a Concept of Operations document	—	✓	✓
 Exercise the Aerial CONOP & SOP	—	✓	✓
 Exercise the Radiological Nuclear Aerial Coordinator Role	—	✓	✓
 Development of a joint map product from all aerial assets	✓	✓	✓



# March 2014

NNSS (Mercury, Nevada)

Participants: 100+

## AERIAL ASSETS



DOE/RSL/AMS



Los Angeles (LASD)



Las Vegas Metro (ARMOR)



2x



NTNF (U.S. Army)



DOE AMS 3/CBP



"We train as we fight and we fight as we train"

# March 2014

NNSS (Mercury, Nevada)

March 24 – 27, 2014

## FULL SCALE EXERCISE

(DESERT ROCK AIRPORT)

- MISSION ASSIGNMENTS
- MISSION PLANNING
- FLIGHTS APPROVED BY AIR BOSS
- BRIEFINGS

### LOGISTICS



### MEDIA



*"We train as we fight and we fight as we train"*

# July 2015

Sumter FBO (South Carolina)

Participants: 100+

## AERIAL ASSETS



DOE AMS 3/CBP



EPA (ASPECT)



NTNF (U.S. Army)



DOE/RSL/AMS



2x



Philly (PPD)



2x

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# July 2015

## Sumter FBO (South Carolina)



July 20 – 23, 2015

### ARRIVAL & REGISTRATION



### TRAINING & MEASUREMENTS



### MISSION BRIEFINGS & EXECUTION



*"We train as we fight and we fight as we train"*

# July 2015

Sumter FBO (South Carolina)

July 20 – 23, 2015

SUPPORTED NATIONAL LEVEL EXERCISE:  
**SOUTHERN EXPOSURE (SE15)**

**PARTICIPANTS: 100+**

**AIRCRAFT PRESENT: 10**

**FIXED-WING: 6**

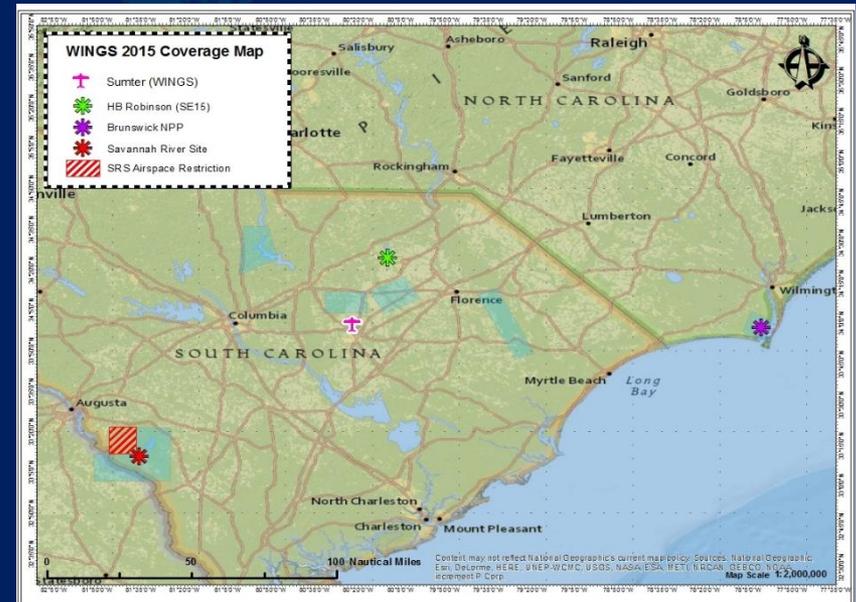
**HELICOPTER: 4**

**AERIAL MISSIONS: 32**

**ALTITUDE SPIRAL: 8**

**SE15 FLIGHTS: 10**

**FLIGHT HOURS: ~ 75**



*"We train as we fight and we fight as we train"*

# June 2016

Ocean County, New Jersey



Helicopters: 4  
Fixed-Wing: 7

Participants: 150+

## AERIAL ASSETS

DOE AMS 3/CBP



Suffolk (SCPD)



NTNF (U.S. Army)



DOE/RSL/AMS



Delaware (DSP)



FHP/BRC



EPA



Philly (PPD)



New York (NYPD)



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# June 2016

Ocean County, New Jersey

June 20 – 23, 2016

OCEAN AIRE



OCEAN COUNTY SHERIFF'S OFFICE OF  
EMERGENCY MANAGEMENT



*"We train as we fight and we fight as we train"*



# June 2016

Ocean County, New Jersey

June 20 – 23, 2016



NEW JERSEY COMMAND



BRIEFINGS



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# June 2016

Ocean County, New Jersey



## Aerial Missions

Day	Missions	Altitude Spirals
1	8	3
2	14	4
3	12	4
<b>TOTALS</b>	<b>34</b>	<b>11</b>

Background Areas	Simulated Plumes	Nuclear Power Plants	Road Search Locations	Real Source Locations
Allentown	Freehold	Oyster Creek	Route 9 South	Waretown
Area A	Hazleton	Hope Creek	Coastal	Area B
Coastal		Indian Point	Various	Shield Alloy
		Limerick		Canadian Radium



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## Aerial Missions



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# June 2016

Ocean County, New Jersey



## Aerial Missions



# June 2016

Ocean County, New Jersey



## Aerial Missions



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# June 2016

Ocean County, New Jersey



## Aerial Missions



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# Questions?



*"We train as we fight and we fight as we train"*