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 on 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)

<table>
<thead>
<tr>
<th>Project Year</th>
<th>Planning Agency</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>DOE</td>
<td>NNSS (Nevada)</td>
</tr>
<tr>
<td>2015</td>
<td>DOE</td>
<td>Sumter, South Carolina</td>
</tr>
<tr>
<td>2016</td>
<td>EPA</td>
<td>Ocean County, New Jersey</td>
</tr>
</tbody>
</table>

Interoperability for Aerial Radiation Detection Assets

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

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

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

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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”
## Goals

**WINGS Exercises**

<table>
<thead>
<tr>
<th>Goal</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real-time development of a response plan</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Exercise an Incident Command Structure</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Coordination and prioritization of multiple aerial assets</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Conduct measurements of actual contamination</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Establishment of a Concept of Operations document</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Exercise the Aerial CONOP &amp; SOP</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Exercise the Radiological Nuclear Aerial Coordinator Role</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Development of a joint map product from all aerial assets</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
March 2014
NNSS (Mercury, Nevada)

Participants: 100+

AERIAL ASSETS

DOE AMS 3/CBP

NTNF (U.S. Army)

Las Vegas Metro (ARMOR)

DOE/RSL/AMS

Los Angeles (LASD)

“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

1

2

3

DOE/RSL/AMS

2x

EPA (ASPECT)

4

2x

5

NTNF (U.S. Army)

6

Philly (PPD)

7

8

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

PARTICIPANTS: 100+
AIRCRAFT PRESENT: 10
FIXED-WING: 6
HELICOPTER: 4
AERIAL MISSIONS: 32
ALTITUDE SPIRAL: 8
SE15 FLIGHTS: 10
FLIGHT HOURS: ~75

SUPPORTED NATIONAL LEVEL EXERCISE:
SOUTHERN EXPOSURE (SE15)

“We train as we fight and we fight as we train”
June 2016
Ocean County, New Jersey

Participants: 150+

AERIAL ASSETS

1. DOE AMS 3/CBP
2. Suffolk (SCPD)
3. Helicopters: 4
   Fixed-Wing: 7

4. DOE/RSL/AMS
5. EPA
6. Philly (PPD)
7. FTNF (U.S. Army)
8. New York (NYPD)
9. Hartford (CTPD)
10. Delaware (DSP)
11. Boston (BPD)

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

“We train as we fight and we fight as we train”
# Aerial Missions

<table>
<thead>
<tr>
<th>Day</th>
<th>Missions</th>
<th>Altitude Spirals</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>14</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>34</strong></td>
<td><strong>11</strong></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Background Areas</th>
<th>Simulated Plumes</th>
<th>Nuclear Power Plants</th>
<th>Road Search Locations</th>
<th>Real Source Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allentown</td>
<td>Freehold</td>
<td>Oyster Creek</td>
<td>Route 9 South</td>
<td>Waretown</td>
</tr>
<tr>
<td>Area A</td>
<td>Hazleton</td>
<td>Hope Creek</td>
<td>Coastal</td>
<td>Area B</td>
</tr>
<tr>
<td>Coastal</td>
<td></td>
<td>Indian Point</td>
<td>Various</td>
<td>Shield Alloy</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Canadian Radium</td>
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</table>
June 2016
Ocean County, New Jersey

Aerial Missions
June 2016
Ocean County, New Jersey

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June 2016
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Aerial Missions
“We train as we fight and we fight as we train”
Questions?

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