



INVESTIGATIVE PLAN

IOSC #:	Y22-002	Date/Time Reported:	10.8/21, 2055
Event:	UAS Overflight	Responsible Org:	Outside Influence
Employee:		AIS #:	NA
Badge #:		SSTARS/TOPIC #:	NA
Category:	A-MI	SSIMS #:	NPA 412 10/2021-0030

PEOPLE TO CONTACT	ADMINISTRATIVE ACTIONS
<input type="checkbox"/>	Entered in IOSC Database? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/>	Categorized (Date/Time) 10/11/21
<input type="checkbox"/>	Notification Sent (Date/Time) 10/12/21, 1450
<input type="checkbox"/>	Infraction? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/>	Suspense Date (if applicable) N/A
<input type="checkbox"/>	Infraction Returned (Date) N/A
<input type="checkbox"/>	Closed in Database (Date) 10/12/21
	Final Report Completed and Sent (Date) 10/14/21
ACTIONS	NOTIFICATIONS
<input type="checkbox"/> Submit to IMB: NA	Referral to CMPC? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> IOSC Database Check: NA	Report Infraction to Personnel Security? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> HRP Status: NA	
<input type="checkbox"/> Notification to Cyber (for classified spillage): NA	
<input type="checkbox"/> Reminder of Classification Implications: NA	
<input type="checkbox"/> HPI Precursor Form: NA	

This inquiry, and the information contained herein, are marked at the overall highest classification and category of the inquiry, in accordance with E-PROC-3210. If pages are removed, and new documents created, those documents must be reviewed by a Derivative Classifier

~~UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
NOT FOR PUBLIC DISSEMINATION
Unauthorized dissemination subject to civil and criminal sanctions Under Section 148 of the Atomic Energy Act of 1954 as amended (42 U.S.C. 2168).
Reviewing Official: (b)(6)
Name: (b)(6) Inquiry Official
Organization: Y-12 Safeguards, Security, & Emergency Service
Date: 10/12/21
Guidance Used: CE-SS-5, 7/16, Add-02~~

OFFICIAL USE ONLY
May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number and category:
7-LAW ENFORCEMENT
Department of Energy review required before public release.
Name: (b)(6) Inquiry Official
Organization: Y-12 Safeguards, Security, & Emergency Service
Date: 10/12/21
Guidance (if applicable): CE-SS-5, 7/16, Add-02

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~~UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION~~
UNITED STATES DEPARTMENT OF ENERGY
Safeguards & Security Information Management System
Security Incident Notification Report

October 12, 2021
Page: 2
NPOY12-10/2021-
0030
Closed Notification

Incident Number: NPOY12-10/2021-0030
Status: Closed Notification
Local Tracking Number: Y22-002
Facility Code: 578
Discovery Date and Time: 10/08/2021 8:55 PM **Time Zone:** ET
Facility/Location of Incident: Y-12 National Security Complex
BEAR CREEK ROAD
OAK RIDGE, TN 37830

Cognizant Security Office: NPOY12
Program Secretarial Office: NA

Brief Description of the Incident:

On Friday, 10/8/21, at 2055 hours, the Y-12 Fire Department reported spotting an Unmanned Aircraft System (UAS) overflying the Y-12 site. Three witnesses saw the UAS fly in a southerly direction over the area of the Y-12 Fire Hall (located within the Y-12 Protected Area) and disappear over the south ridge of the site. The UAS did not return. The witnesses were unable to determine if the UAS was a rotary wing or fixed wing craft. It appeared to be around three feet wide, had two flashing lights, and was estimated to be about 80 feet above ground level.

Flight tracking software showed a commercial airliner was in the vicinity around this time. However, it's flight path was 1.5 miles east of the plant and it was cruising at an altitude of 10,000 feet. It is unlikely that this could account for the sighting.

(b)(7)(E)



Incident Category: Category A
Topical Area Code: PMS
Incident Type: Suspicious Activity
Interest Type: MI

Incidents determined or suspected to be apparent surveillance of facilities or operations (studying, photographing, low over-flights, outsiders questioning employees to include protective force, unusual calls for information, etc.).

Management Interest Notification Date: 10/08/2021

Incident has or may result in increased Media Attention (Describe)

Incident has association with Foreign Nationals

Classification Level of Matter Involved Top Secret Secret Confidential
Category of Matter Involved Restricted Data Formerly Restricted Data National Security Information
Applicable Identifier(s) WFO SAP FGI OGA WD **Sigmas**
 SCI Naval Nuclear Propulsion Information
 Controlled Unclassified Information
 No Foreign Dissemination
Form(s) of the Information Electric Storage Media Internet

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UNITED STATES DEPARTMENT OF ENERGY
Safeguards & Security Information Management System
Security Incident Notification Report

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- | | | |
|------------------------------------|---|--|
| <input type="checkbox"/> E-Mail | <input type="checkbox"/> Inside Firewall | <input type="checkbox"/> Visual |
| <input type="checkbox"/> Facsimile | <input type="checkbox"/> Outside Firewall | <input type="checkbox"/> Multimedia |
| <input type="checkbox"/> Hard Copy | | <input type="checkbox"/> Discussion (Audio/Verbal) |
| | | <input type="checkbox"/> Other (Describe) |

Notification Point of Contact

(b)(6) (b)(6)
Name Phone Secure Fax

Notification Classification Official

(b)(6) (b)(6)
Name Phone

(b)(6)

From: (b)(6)
Sent: Monday, October 11, 2021 8:51 AM
To: (b)(6)
Subject: Draft Night Note

~~DUO~~

~~NOTE: This message contains OFFICIAL USE ONLY information~~

Subject: Y-12 National Security Complex (NSC) - Unmanned Aerial System (UAS) Overflight

Issue: On 10/8/21, at approximately 2055 hours, Y-12 National Security Complex (NSC) Fire Department employees reported an Unmanned Aerial System (UAS) overflight.

Context: On Friday evening, 10/8/21, at 2055 hours, the Y-12 Fire Department called the Operations Center to report a UAS spotted over the west side of the site. The witnesses could not tell if the UAS was a rotary wing or fixed wing craft. It had two flashing lights, appeared to be about three feet in width, and was estimated to be approximately 80 feet above ground level. It passed slowly over the fire station, in a straight line, and disappeared over the south ridge of the site. Total time was estimated at three to four minutes. (b)(7)(E)

(b)(7)(E)

Significance: In December 2017, the Federal Aviation Administration and the Department of Energy (DOE) directed that drone flights be restricted over all DOE facilities for the welfare of national security. These restrictions include nuclear assembly facilities, laboratories, and research centers.

Path Forward: (b)(7)(E)

(b)(7)(E)



(b)(6)

Contractor to the Department of Energy
(b)(6)

[@cns.doe.gov](mailto:(b)(6)@cns.doe.gov)
Office
Mobile
Pager

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May be exempt from public release under the Freedom of Information Act (5 USC 552), exemption number and category: Exemption 7 - Law Enforcement
Department of Energy review required before public release.
Name/Org: (b)(6) Safeguards and Security Date: 10/11/2021
Guidance: CG-SS-5, 07/16, DOE OC~~

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Incident of Security Concern (IOSC) INVESTIGATIVE ACTIVITY SUMMARY

REPORT NUMBER

Y22-002

Page 1 of

TIME, DATE AND INVESTIGATOR	SUMMARY OF INVESTIGATIVE ACTIVITY
2055, 10/8/21, (b)(6)	<p>The Y-12 Operations Center notified IOSC of an Unmanned Aerial System (UAS) sighting over the Y-12 site. The Y-12 Fire Department reported that a UAV (or drone) was spotted flying over the site in the area of the fire hall. It continued in a straight line and disappeared over the south ridge.</p> <p>(b)(6), (b)(7)(E)</p>
1219, 10/9/21	<p>(b)(6) reported (by e-mail) as follows:</p> <p>PSS/OC was contacted regarding an unscheduled Unmanned Aircraft System (UAS) overflight at the West end of the plant at roughly 2055 EDT 08OCT21.</p> <p>(b)(7)(E)</p> <p>(b)(7)(E)</p> <p>(b)(7)(E)</p> <p>(b)(7)(E)</p> <p>(b)(7)(E)</p> <p>(b)(7)(E)</p> <p>(b)(7)(E)</p>

Incident of Security Concern (IOSC) INVESTIGATIVE ACTIVITY SUMMARY

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Page 2 of

TIME, DATE AND INVESTIGATOR	SUMMARY OF INVESTIGATIVE ACTIVITY
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10/9/21, continued

Flight Tracker:

(Note this is Web-sourced data, not true FAA data)

One flight was indicated at 2056 EDT (0056 UCT), which flew roughly 1.5 miles East of the plant site, towards the Southeast, 110 az, at roughly 10,000 Ft. Altitude AGL and 300 kts ground speed. It was Frontier Airlines, 9586, an Airbus A320-251N, registration N374FR. Although the flight timing and direction of travel appears to closely match, the altitude and distance from the plant site makes this seem unlikely to be confused with a drone which was estimated at 80 ft. Altitude.

Employee Witness Report:

Report from Y-12 Fire Dept. (b)(6) via PSS telephone call, patched by (b)(6) PSS/OC at 2215 EDT 08OCT21

Two white flashing lights, one green flashing light

Estimated three foot width

Estimated at 80 ft. altitude AGL

Couldn't tell aircraft configuration. Could not tell if it was a rotary or fixed-wing aircraft

No sound at all

Moving slowly, passed over the 2005 fire station, and in a straight line up and over south station in about 3 or 4 minutes. It appeared to rise in order to cross over the South Ridge

This was the only flight noted.

Two other firemen came out, after the initial siting, and also witnessed it as it flew towards the South Ridge.

0851, 10/11/21,

(b)(6)

Draft night note sent to S&S management for approval.

1450, 10/12/21,

Incident entered into SSIMS for notification only. Inquiry closed.

(b)(6)

From: (b)(6)
Sent: Saturday, October 9, 2021 12:19 AM
To: (b)(6)
Subject: UAS Sighting and CUAS System's Report

(b)(6), (b)(7)(E)

Reported Unmanned Aircraft System (UAS) overflight of Y-12.

Summary

PSS/OC was contacted regarding an unscheduled Unmanned Aircraft System (UAS) overflight at the West end of the plant at roughly 2055 EDT 08OCT21.

(b)(7)(E)

(b)(7)(E)

Detail Discussion

(b)(7)(E)

(b)(7)(E)

(b)(7)(E)

(b)(7)(E)

Flight Tracker:

(Note this is Web-sourced data, not true FAA data)

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Please let me know if you have questions.

(b)(6)

(b)(6)

Y-12 National Security Complex

Oak Ridge, TN

Office: (b)(6)

Lab:

Mobile

Pager: (PLEASE NOTE CHANGE)

(b)(6) @cns.doe.gov



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