



INVESTIGATIVE PLAN

IOSC #:	Y21-055	Date/Time Reported:	1/20/2021 (1902 hours)
Event:	UAS Overflight	Responsible Org:	Outside Influence
Employee:	NA	AIS #:	NA
Badge #:	NA	SSTARS #:	NA
Category:	A-MI	SSIMS #:	NP0412-01 2021-0001

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)	1/21/2021 (0900 hours)	
<input type="checkbox"/>		Notification Sent (Date/Time)	1/21/2021 (1130 hours)	
<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)	NA	
<input type="checkbox"/>		Infraction Returned (Date)	NA	
<input type="checkbox"/>		Closed in Database (Date)	1/26/2021	
		Final Report Completed and Sent (Date)	1/21/2021	
<input type="checkbox"/>	Submit to IMB: NA	Referral to CMPC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input 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	NOTIFICATIONS		
<input type="checkbox"/>	Notification to Cyber (for classified spillage): NA	Organization	Date	Time
<input type="checkbox"/>	Reminder of Classification Implications: NA			
<input type="checkbox"/>	HPI Precursor Form: NA			

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 Department of Energy review required before public release.
 Name/Org: (b)(6) IOSC
 Date: January 21, 2021
 Guidance (if applicable): CG-SS-5, 7/2016, DOE OC~~

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 Reviewing Official: (b)(6) IOSC
 Date: January 21, 2021
 Guidance: CG-SS-5, 07/2016, DOE OC~~

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

January 25, 2021
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NPOY12-01/2021-
0001
Active Notification

Incident Number: NPOY12-01/2021-0001
Status: Active Notification
Local Tracking Number: Y21-055
Facility Code: 578
Discovery Date and Time: 01/20/2021 7:05 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 1/20/21, at 1905 hours, Y-12 Protective Force detected an Unmanned Aerial System (UAS) flying over the Y-12 site. The UAS was first spotted on camera as it flew over the Uranium Processing Facility (UPF) construction site (b)(7)(E) it continued in an easterly direction, performing circles and figure-8 patterns, until exiting the Y-12 boundary on the east side of the site. Altitude was estimated to be 500 to 1,000 feet above ground level.

On 1/21/21, at approximately 1940 hours, another UAS was sighted by Protective Force flying over the site. This UAS came over the site's North Ridge, flew over the Protected Area from west to east, and left the site approximately 1943 hours. This UAS had lights, but due to the brief flight time Protective Force was not able to determine any other characteristics. At approximately 2004 hours, two UASs were sighted flying in formation over the site. Both had lights and flew from west to east and then left the site. Again, at 2100 hours, a single UAS was observed traveling west to east over the UPF construction site. This UAS flew over the South Ridge and out of sight at 2105 hours. Again, no other distinguishing characteristics were determined.

At this time, Y-12 has no information on the origin or ownership of the UASs. (b)(7)(E) (b)(7)(E) The Oak Ridge Police Department checked numerous areas around the Y-12 site and found nothing of interest.

Incident Category: Category A
Topical Area Code: PMS
Incident Type: Suspicious Activity
Interest Type: MI
Management Interest Notification Date: 01/21/2021

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.).

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

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

January 25, 2021
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NPOY12-01/2021-
0001
Active Notification

- | | | |
|------------------------------------|---|--|
| <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

**Incident of Security Concern (IOSC)
 INVESTIGATIVE ACTIVITY SUMMARY**

TIME, DATE, AND INVESTIGATOR	SUMMARY OF INVESTIGATIVE ACTIVITY
1902, 1/20/2021, (b)(6)	<p>On Wednesday Evening, 1/20/2021, at 1902 hours, Y-12 NSC PF reported a UAS move west to east over the Uranium Processing Facility construction site. There were no visible lights or markings on the aircraft. (b)(7)(E)</p> <p>(b)(7)(E) The flight path was west to east while performing circles and figure-eight patterns. Altitude was estimated to be from 500 ft. to 1000 ft. above ground level. The UAS left the area, turning north over the site's north ridge.</p> <p>(b)(7)(E)</p> <p>The PF initiated appropriate response measures.</p>
1940, 1/21/2021, (b)(6)	<p>On 1-21-2021, at approximately 1940 hours, PF reported a UAS sighting on the North West Tower Security Area camera. The UAS appeared to come from over the North Ridge and traveled over the Protected Area of the site. The UAS flew west to east, then left the site at approximately 1943 hours.</p> <p>(b)(7)(E)</p> <p>It did have lights and appeared to be below the ridge line at one point.</p>
	<p>At approximately 2004 hours, two UASs were sighted. Both UASs had lights and were flying in formation one below the other (b)(7)(E)</p> <p>(b)(7)(E) Both UASs flew out of sight from the west to the east.</p>
	<p>At approximately 2100 hours, a third sighting occurred. One UAS was observed traveling west from the UPF construction site to the east. The UAS left the site approximately at 2105 hours to the east and over the south ridge.</p>
	<p>The Oak Ridge Police Department checked numerous areas around the Y-12 site and found nothing of interest to report.</p>
	<p>The Federal Aviation Administration and the Department of Energy (DOE) in December 2017, 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.</p>

Incident of Security Concern (IOSC)
INVESTIGATIVE ACTIVITY SUMMARY

REPORT NUMBER
Y21-055

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TIME, DATE, AND INVESTIGATOR	SUMMARY OF INVESTIGATIVE ACTIVITY
1940, 1/21/2021 (b)(6) (continued)	This incident is categorized at the A-MI level in accordance with E-SD-0005, CNS IOSC Program Plan, and DOE 470.4B, attachment 5.
	(b)(7)(E)

(b)(6)

From: (b)(6)
Sent: Thursday, January 21, 2021 9:45 AM
To: (b)(6)
Subject: FW: Unmanned Aerial System Intrusion

(b)(6)

From: (b)(6)
Sent: Thursday, January 21, 2021 9:27 AM
To: (b)(6)
Cc:
Subject: Unmanned Aerial System Intrusion

ALCON,

On Wednesday Evening, 1/20/2021, at 1902 hours, Y-12 Protective Force reported an Unmanned Aerial System (UAS) move west to east over the UPF construction site. There were no visible lights. (b)(7)(E)
(b)(7)(E) The flight path was west to east while performing circles and figure-eight patterns. Altitude was estimated to be from 500 ft. AGR to 1000 ft. AGR.

It was reported that there may have been a second UAS, but not verified. (b)(7)(E)
(b)(7)(E)

(b)(6)

Y-12 National Security Complex
Contractor to the U.S. Department of Energy

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(b)(6) (office)
(b)(6) (cell)



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~~NUCLEAR INFORMATION~~

PROTECTIVE FORCE EVENT REPC...

Event Date: 01/12/21 **Time:** 1902 **Saved File Name:** 2021-01-20 UAV Rev2

Nature of Event:
UAV intrusion

Location of Event:
UPF construction area to Portal 23

Persons Involved:

Name	Employee No.	Place of Employment

Reported By: (b)(6) **Employee No.:** (b)(6) **Date Reported:** 01/21/21 **Time Reported:** 1902

Location Where Reported:

TSA 3	DD	(b)(6)	(b)(6)
Post	Shift	Officer	SPO

Details of Event:

At approximately 1902, 1/21/2021, (b)(6) reported a possible UAS. Specifically:

1902: Initial siting was over UPF construction site.

1902: Supervisors notified, CAS dispatch in accordance with SIRP.

1902 - 1911: PF tracks UAS flight pattern. Flight pattern was west to east while performing circles/figure eight patterns. Altitude was estimated to be from 500 ft AGR to 1000 ft AGR.

Continued on Supplemental

Immediate Action Taken:
PF maintained SIRP response. Notifications initiated.

Supervisor Signature: (b)(6) **Date:** 01/21/21

Reviewed By:

Name	Date	Name	Date

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F Law Enforcement

Department of Energy before public release

(Name) Org: (b)(6) PF

Date: 1/21/2021

CG-55-5, DOE DC 7/16

PROLIFERATIVE FORCE EVENT REPC

Supplemental

1911: UAS exits over Checkpoint 23.

Description: The UAS was described as a four blade "Quad Blade" type UAS. Size and color where not able to be clearly identified.

Additional Information: It was reported that there may have been a second UAS by one SPO. This information is not able to be verified. (b)(7)(E)

End of Report.

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PROTI FIVE FORCE EVENT REPOI

Event Date: 01/21/21 **Time:** 1902 **Saved File Name:** 2021-01-20 UAV

Nature of Event:
UAVs over UPF Construction Area

Location of Event:
Y12, Bear Creek Road

Persons Involved:

Name	Employee No.	Place of Employment

Reported By: (b)(6)	Employee No.: (b)(6)	Date Reported: 01/21/21	Time Reported: 1902
-------------------------------	--------------------------------	-----------------------------------	-------------------------------

Location Where Reported:

TSA 3	DD	(b)(6)	(b)(6)
Post	Shift	Officer	SPO

Details of Event:
TSA 3, Hotel 3 (b)(6) reported unidentified vehicles moving west to east over the UPF construction site. The aircraft were moving slowly without navigation lights (b)(7)(E) (b)(7)(E) (b)(7)(E). The UAV's flew low enough to see the rotation of the blades and to confirm the UAV's (<500ft). At that time they flew on a path that put the crane from UPF construction in the frame, the drone appeared to be fairly large. The two (2) fixed wing UAV's flew separately on the initial flyover, but flew in concert on the second pass. The UAV's appeared to have a racetrack flight pattern circling the plant from west to east before turning north around the north ridge. The UAV's were observable for approximately forty-five minutes and last seen turning north over the north ridge. The UAV's did not return over the west end of the plant on the third and final observation.

Immediate Action Taken:
Reported and observed. UAV checklist initiated.

Supervisor Signature: (b)(6) **Date:** 01/20/21

Reviewed By: (b)(6) 1-20-2021

Name	Date
-------------	-------------

Distribution: PF Chief/Y-12 Supervisor Report folder-Z Drive

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 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) (b)(6)
 Name: WJ NORMAN
 Organization: PROFORCE
 Date: 1-20-2021
 Guidance Used: GS-SS-5 7/11/16 DOE DC

Y-12 Protective Force Central Alarm Station Checklist for Unmanned Aerial System (UAS) Airspace Intrusion

In the event the Central Alarm Station (CAS) and/or Protective Force Supervision are made aware of an unauthorized intrusion of Y-12 airspace by UAS, the following steps should be taken in accordance with Y19-51-700 Protective Force General Orders and the Security Incident Response Plan (SIRP):

Step:	Action:	Time Completed:	
1	CAS will dispatch per the Security Incident Response Plan or supervision direction.	1902	
2	Beta 2 will notify the Plant Superintendent (PSS) Office.	1907	
3	CAS will initiate video playback and export, if available.	N/A	
4	Beta 10 will man the Tactical Operation Center (TOC).	Beta 8 1904	
5	Gather and disseminate all available Essential Elements of Information (EEI) to include scanning the ridgelines and roadways for possible UAS operator.	1904	
6	Document all information deemed pertinent to the incident, to include but not limited to:		
	Last known location	Above Post 23	Above 19:11
	Direction of travel	East to West	
	Altitude above ground level	Unknown. EST 500'	
	Perceived activity (e.g. hovering, circling, etc.)	Slow moving 9 minutes & travel from JPF to Post 23	
	Distinguishing features or characteristics (e.g. camera, emission of liquid or vapor, attachments, hanging objects)	4 Nacels of approx equal length	
	Description of the aircraft or UAS (markings, size, color, shape)	(b)(7)(E)	
Other			
In the event the aircraft or UAS lands ensure the following:			
1	Sector Supervisor will establish incident command as practicable.		
2	Instruct Protective Force not to tamper with or make contact; respond in accordance with procedures for a suspicious package. If the aircraft or UAS is emitting any substance, direct Protective Force to don respirators and move upwind if possible. Note 1 No radio/cell phone activity <25 yards Note 2 Notify PSS and suggest Shelter in Place if aircraft/UAS is emitting substance.		
3	Establish containment (300 ft.) around the immediate area (treat as a crime scene).		
4	Ensure the scene is assessed with explosive detection canine when practicable.		

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 Department of Energy review required before public release.
 Name: (b)(6)
 Organization: Protective Force, Sector Y-12
 Date: 01-08-2017
 Reference (if applicable): OE-51-A-0000, 17013.0723, 17013.0704~~

(b)(6)

From: (b)(6)
Sent: Thursday, January 21, 2021 11:37 AM
To: (b)(6)
Cc:
Subject: (U) DRAFT Night Note

NOTICE: This message has been reviewed by a Y-12 DC/RO and is determined to be UNCLASSIFIED and contains no UCNI.
This review does not constitute clearance for Public Release.

Subject: Y-12 National Security Complex – Unidentified Aerial System (UAS) Overflight

Issue: On 1/20/2021, at 1902 hours, Y-12 National Security Complex (NSC) Protective Force (PF) reported an Unmanned Aerial System (UAS) overflight.

Context: On Wednesday Evening, 1/20/2021, at 1902 hours, Y-12 NSC PF reported a UAS move west to east over the Uranium Processing Facility construction site. There were no visible lights. (b)(7)(E)
(b)(7)(E) The flight path was west to east while performing circles and figure-eight patterns. Altitude was estimated to be from 500 ft. AGR to 1000 ft. AGR. The UAS left the area, turning north over the site's north ridge.

It was reported that there may have been a second UAS, but not verified. (b)(7)(E)
(b)(7)(E)
(b)(7)(E) The PF initiated appropriate response measures.

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

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

(b)(6)

Y-12 National Security Complex
Contractor to the U.S. Department of Energy

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This review does not constitute clearance for Public Release.
Name: (b)(6) Date: 1/21/2021

(b)(6)

From: (b)(6)
Sent: Monday, January 25, 2021 9:01 AM
To: (b)(6)
Cc:
Subject: DRAFT Night Note - Protest

NOTICE: This message and attachment has been reviewed by a Y-12 DC/RO and is determined to be UNCLASSIFIED and contains no UCNI.
This review does not constitute clearance for Public Release.

Subject: Y-12 National Security Complex – Planned Protest

Issue: On 1/22/2021, at 1300 hours, protesters gathered outside of the Y-12 National Security Complex (NSC).

Context: On 1/22/2021, at 1300 hours, 20 members of the Oak Ridge Environmental Peace Alliance (OREPA) gathered outside of the Y-12 National Security Complex to protest nuclear weapons and show support of the passing of the United Nations Treaty on the Prohibition of Nuclear Weapons.

OREPA is a collection of activists who believe they have the power to create the world they hope to live in. The organization calls for the elimination of funding for the Life Extension Program for existing nuclear weapons as well as plans for new weapon production facilities, such as the Uranium Processing Facility at Y-12.

Once at the perimeter of the Y-12 site, the protesters hung yellow X's, a poster, and a banner on the fence (229 boundary), just outside the Y-12 New Hope Center. After completing the action, the protesters soon disbanded without incident (1400 hours). There were no site operational disruptions.

Significance: In general, anti-nuclear groups endorse non-violent actions aimed at increasing public awareness of the potential dangers of nuclear weapons. These protests have the potential to disrupt daily operations as well as pose threats to government property. No disruptions or threats were noted during the event described in this brief.

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

(b)(6)

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Name: (b)(6) Date: 1/25/2021