



INVESTIGATIVE PLAN

IOSC #:	Y21-165	Date/Time Reported:	6/30/2021 (2215 hours)
Event:	UAS Overflight	Responsible Org:	Outside Influence
Employee:	NA	AIS #:	NA
Badge #:	NA	SSTARS #:	NA
Category:	A-MI	SSIMS #:	

PEOPLE TO CONTACT		ADMINISTRATIVE ACTIONS																				
<input checked="" type="checkbox"/>	Y-12 S&S Management	Entered in IOSC Database?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A																		
<input checked="" type="checkbox"/>	(b)(7)(E)	Categorized (Date/Time)	7/01/2021 (0946 hours)																			
<input checked="" type="checkbox"/>	FAA (Phillips)	Notification Sent (Date/Time)																				
<input checked="" type="checkbox"/>	IG (Slatton)	Infraction?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A																		
<input type="checkbox"/>		Suspense Date (if applicable)																				
<input type="checkbox"/>		Infraction Returned (Date)																				
<input type="checkbox"/>		Closed in Database (Date)																				
		Final Report Completed and Sent (Date)																				
ACTIONS		Referral to CMPC?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A																		
<input type="checkbox"/>	Submit to IMB: NA	Report Infraction to Personnel Security?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A																		
<input type="checkbox"/>	IOSC Database Check:	<table border="1"> <thead> <tr> <th colspan="3">NOTIFICATIONS</th> </tr> <tr> <th>Organization</th> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>IOSC Notification</td> <td>7/01/2021</td> <td>0800</td> </tr> <tr> <td>Draft Night Note</td> <td>7/01/2021</td> <td>0851</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			NOTIFICATIONS			Organization	Date	Time	IOSC Notification	7/01/2021	0800	Draft Night Note	7/01/2021	0851						
NOTIFICATIONS																						
Organization	Date	Time																				
IOSC Notification	7/01/2021	0800																				
Draft Night Note	7/01/2021	0851																				
<input type="checkbox"/>	HRP Status: NA																					
<input type="checkbox"/>	Notification to Cyber (for classified spillage): NA																					
<input checked="" type="checkbox"/>	Reminder of Classification Implications: (b)(7)(E)																					
<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 Y19-203. If pages are removed, and new documents created, those documents must be reviewed by a Derivative Classifier

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 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/Org: (b)(7)(E) / IOSC
 Date: 7/01/2021
 Guidance (if applicable): TNP-76, 1/2020, DOE OC

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

July 1, 2021
Page: 2
NPOY12-06/2021-0017
Closed Notification

Incident Number: NPOY12-06/2021-0017
Status: Closed Notification
Local Tracking Number: Y21-165
Facility Code: 578
Discovery Date and Time: 06/30/2021 10:15 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 Wednesday evening, 6/30/21, at 2215 hours, a Y-12 employee reported seeing an Unmanned Aerial System (UAS) directly over the Y-12 site. At that time, Y-12 Protective Force patrols could not independently verify the sighting. At 2304 hours, a Protective Force patrol reported a UAS sighting in the vicinity of the Y-12 south ridge, traveling over the site east to west. Between 2335 hours to 0006 hours (7/1/21), Protective Force patrols observed as many as three UASs in various locations circling the Y-12 NSC at varied elevations. The crafts were described as 4-rotor or "quad blade" crafts with no observed attachments. Visual surveillance was lost at 0006 hours when the crafts disappeared traveling north towards Oak Ridge.

(b)(7)(E) Protective Force initiated the appropriate response measures to include a request for assistance to the Oak Ridge Police Department, who verified sightings in the vicinity of Union Valley Road and Commerce Park, just outside the Y-12 boundary. (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: 07/01/2021

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
 E-Mail Inside Firewall Visual
 Outside Firewall Multimedia
 Facsimile Discussion (Audio/Verbal)
 Hard Copy Other (Describe)

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

July 1, 2021
Page: 3
NPOY12-06/2021-
0017
Closed Notification

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**

REPORT NUMBER

Y21-165

Page 1 of

TIME, DATE AND INVESTIGATOR	SUMMARY OF INVESTIGATIVE ACTIVITY
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2215, 6/30/2021 (b)(6)

On Wednesday Evening, 6/30/2021, at 2215 hours, Y-12 NSC OC conveyed that an employee reported seeing a UAS over Building 9201-02. Protective Force (PF) patrols could not verify the sighting. At 2304 hours, PF reports an UAS sighting in the vicinity of the south ridge, travelling east to west. From 2335-0006 (7/01/2021), PF observed as many as three UASs in various locations at varied elevations. The crafts were described as 4-rotor or "Quad Blade" crafts with no observed attachments. Visual surveillance was lost at 0006 hours when the crafts disappeared traveling north towards Oak Ridge. (See attached Protective Force Event Report Supplemental for timeline of event.)

(b)(7)(E) The PF initiated appropriate response measures to include a request for assistance to the Oak Ridge Police Department, who verified sightings in the vicinity of Union Valley Road and Commerce Park.

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.

(b)(7)(E)

This incident will be reported by IOSC as Category A-Management Interest incident of security concern, in accordance with E-SD-0005, *CNS Incidents of Security Concern Program* plan. A night note has been submitted and the incident entered into SSIMS as appropriate.

0845, 7/01/2021 (b)(6)

(b)(7)(E)

SZ DJI Technology Co., Ltd. or Shenzhen DJI Sciences and Technologies Ltd. in full, more popularly known as its trade name DJI, which stands for Da-Jiang Innovations, is a Chinese technology company headquartered in Shenzhen, Guangdong, with manufacturing facilities throughout the world.

DJI accounts for around 70% of the world's consumer drone market as of March 2020, with no other company accounting for more than 5%. Its camera drone technology is widely used in the music, television and film industries. The company's products have also been used by militaries and police forces, as well as terrorist groups, with the company taking steps to limit access to the latter. Some US government institutions have issued statements discouraging their internal use

Incident of Security Concern (IOSC) INVESTIGATIVE ACTIVITY SUMMARY

REPORT NUMBER

Y21-165

Page 2 of

TIME, DATE AND INVESTIGATOR	SUMMARY OF INVESTIGATIVE ACTIVITY
-----------------------------	-----------------------------------

0845, 7/01/2021
(continued)

(b)(6)

of DJI products, but as of 2020, various agencies at the local and federal level continue to use DJI products.

(b)(6)

From:
Sent:
To:

(b)(6)

Thursday, July 01, 2021 8:00 AM

(b)(6)

Subject:

(b)(6) Y-12 IOSC INCIDENT NOTIFICATION

~~NOTICE: This message contains OFFICIAL USE ONLY (OUO) information.~~

Y-12 IOSC INCIDENT NOTIFICATION

On Wednesday Evening, 6/30/2021, at 2215 hours, Y-12 NSC OC conveyed that an employee reported seeing a UAS over Building 9201-02. Protective Force (PF) patrols could not verify the sighting. At 2304 hours, PF reports an UAS sighting in the vicinity of the south ridge, travelling east to west. From 2335-0006 (7/01/2021), PF observed as many as three UASs in various locations at varied elevations. The crafts were described as 4-rotor or "Quad Blade" crafts with no observed attachments. Visual surveillance was lost at 0006 hours when the crafts disappeared traveling north towards Oak Ridge.

(b)(7)(E)

The PF initiated appropriate response measures to include a request for assistance to the Oak Ridge Police Department, who verified sightings in the vicinity of Union Valley Road and Commerce Park.

This incident will be reported by IOSC as Category A-Management Interest incident of security concern, in accordance with E-SD-0005, *CNS Incidents of Security Concern Program* plan. A night note will be submitted and the incident entered into SSIMS as appropriate.

(b)(6)

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

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

(b)(6) [doe.gov](mailto: doe.gov)

(b)(6) (office)

(cell)

OFFICIAL USE ONLY

(b)(6)

From:

(b)(6)

Sent:

Thursday, July 01, 2021 10:00 AM

To:

(b)(6)

Cc:

Subject:

DRAFT Night Note - UAS Overflight

Forwarded is a draft night note concerning UAS overflights last evening.

(b)(6)

~~NOTICE: This message contains OFFICIAL USE ONLY (OUO) information~~

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

Issue: On 6/30/2021, at 2215 hours, Y-12 National Security Complex (NSC) Operations Center (OC) reported an Unmanned Aerial System (UAS) overflight.

Context: On Wednesday Evening, 6/30/2021, at 2215 hours, a Y-12 an employee reported seeing a UAS over Building 9201-02. Protective Force (PF) patrols could not independently verify that sighting. At 2304 hours, PF reported a UAS sighting in the vicinity of the south ridge, travelling east to west. From 2335-0006 (7/01/2021), PF observed as many as three UASs in various locations circling the Y-12 NSC at varied elevations. The crafts were described as 4-rotor or “Quad Blade” crafts with no observed attachments. Visual surveillance was lost at 0006 hours when the crafts disappeared traveling north towards Oak Ridge.

(b)(7)(E)

The PF initiated appropriate response measures to include a request for assistance to the Oak Ridge Police Department, who verified sightings in the vicinity of Union Valley Road and Commerce Park.

Significance: 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.

Path Forward:

(b)(7)(E)

(b)(7)(E)

(b)(6)

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

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

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

(b)(6) (office)

(cell)



~~OFFICIAL USE ONLY~~

(b)(6)

From: (b)(6)
Sent: Thursday, July 01, 2021 6:46 AM
To: (b)(6)
Subject: FW: UCN / I Drones Last Night
Attachments: 2021-06-30 Drone Event.pdf

Importance: High

~~An attachment to this message contains UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION (UCNI). When separated from any attachments, this email is unclassified and contains no UCNI or OUG.~~

From: (b)(6) @cns.doe.gov>
Sent: Thursday, July 1, 2021 5:41 AM
To: (b)(6) @cns.doe.gov>
Cc: (b)(6) @cns.doe.gov>; (b)(6) @cns.doe.gov>; (b)(6) @npo.doe.gov>; (b)(6) @cns.doe.gov>; (b)(6) @cns.doe.gov>; (b)(6) @cns.doe.gov>; (b)(6) @cns.doe.gov>
Subject: UCN / I Drones Last Night
Importance: High

~~An attachment to this message contains UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION (UCNI). When separated from any attachments, this email is unclassified and contains no UCNI or OUG.~~

Sir,

Beta 2 briefed me up this AM.

Attached is the report on multiple drones from last night. I highlighted a few sections.

Some of the SPOs (who have drones) brought up the point of battery charging. We're thinking one or more drones may have gone to a central location or locations, to change batteries out.

(b)(6) report should be interesting.

(b)(6)



(b)(6)

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

Contractor to the Department of Energy

(b)(6)

**Mobile
Office
Fax**

~~OFFICIAL USE ONLY~~

PROTECTIVE FORCE EVENT REPORT

Event Date: 06/30/21	Time: 2215	Saved File Name: 2021-06-30 Drone Event
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Nature of Event:
Drone Sighting

Location of Event:
Reported in the vicinity of 9701-2

Persons Involved:

Name	Employee No.	Place of Employment	
(b)(6)	(b)(6)	CNS	
OC/PSS Office			
Reported By: OC/PSS	Employee No.:	Date Reported: 06/30/21	Time Reported: 2215

Location Where Reported:

Post	Shift	Officer	SPO

Details of Event:

At approx. 2215 the OC office reported that an employee (b)(6) reported a possible drone in the area of building 9201-2. OC stated that she only said it was about the size of a drone & it had a red light on it.

See Page #2 for time line of the event:

Immediate Action Taken:

ORPD Dispatch, OC, IO SC, & Pro Force management contacted

Supervisor Signature:	Date:
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Reviewed By:

Name	Date	Name	Date

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

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May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number and category: _____

AT LAW ENFORCEMENT

Department of Security review required before public release.

Name: (b)(6)

Organization: YLD PROTECTIVE FORCE

Date: 7/1/21

Guidance (if applicable): CG-55-05 7/1/21

PROTECTIVE FORCE EVENT REPORT

Supplemental

- * 2215 OC dispatched that an employee had a possible drone sighting the vicinity of 9201-2
- * 2216 - ORPD Dispatch contacted
- * Pro Force patrols & towers scanned the area with no sightings
(b)(7)(E)
- * 2235 - ORPD reported to ckpt 23 and advised they were tracking a drone in the vicinity of Union Valley Road and Commerce Park
- * Kilo 1 at ckpt 23 with ORPD
- * 2240 - OC sent a page out for IOSC
- * 2300 - ORPD left ckpt 23 - stated they lost sight of the drone & had one more location to check in attempt to locate the pilot
- * 2304 - Kilo Units sighted the drone in the vicinity of the south ridge water tanks traveling East to West
(b)(7)(E)
- * 2307 ORPD Dispatch updated on the location of the sighting
- * 2311 Pro Force Patrols reported it continued to travel west and is in the vicinity of ckpt 20
- * 2319 Pro Force lost visual
- * 2328 Kilo1 and another Kilo unit conducted a sweep of the west end around ckpt 19 and ckpt 20
- * 2331 Kilo 1 reported visual on the drone in the ckpt 20 area heading south towards ORNL then lost visual
- * 2335 Kilo units picked up visual in the area of Landfill IV traveling back and forth over the south ridge
- * 2343 Kilo 1 stated the he had visual of 3 drones over the west end of the plant in the vicinity of 9114 traveling north
- * 2345 Kilo 1 reported he lost visual when they crossed over the north ridge towards Oak Ridge
- * 2349 BCP units reported visual on all 3 possible drones in the vicinity of the south ridge
- * 2351 ORPD dispatch updated on the additional possible drones sighted
- * 2352 Patrols reported it appear the 3 drones are circling the plant at varied elevations - they do not appear to be hovering or staying in any particular location
(b)(7)(E)
- * 0000 ORDP has reported back to ckpt 23
- * Kilo 1 at ckpt 23 with ORPD
- * Kilo 1 reported he was able to see the drones via binoculars and he believes they are quad drones - regular commercial recreational size, they did not appear to have any attachments
- * 0006 - last know location was in the vicinity of the west end of the plant, visual was lost when they traveled north towards Oak Ridge
- * 0056 - No further confirmed sightings, ORPD has left ckpt 23

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 May be exempt from public release under the
 Freedom of Information Act (5 U.S.C. 552),
 exemption number and category: (b)(7) Law Enforcement
 Department of Energy review required before public release.
 Name: (b)(6)
 Organization: 112 Protective Force
 Date: 7/1/21
 Guidance (if applicable): 6.6 35 AS 7/16 2021~~

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

Roster Date: 01 Jul 2021
 Start Time of Event: 2215
 End Time of Event: 2315

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.	N/A
2	Beta 2 will notify the Y-12 Operations Center (OC).	2215
3	CAS will initiate video playback and export, if available.	N/A
4	Gather and disseminate all available Essential Elements of Information (EEI) to include scanning the ridgelines and roadways for possible UAS operator.	2215-2315
5	Document all information deemed pertinent to the incident, to include but not limited to:	
	Last known location	Alpha 2 → South water tower → Cp 20
	Direction of travel	EAST TO WEST
	Altitude above ground level	N/A
	Perceived activity (e.g. hovering, circling, etc.)	Traveling
	Distinguishing features or characteristics (e.g. camera, emission of liquid or vapor, attachments, hanging objects)	Redlight Flashing
	Description of the aircraft or UAS (markings, size, color, shape)	none
	• Video Switcher # (if applicable) • Video Saved to Console/Workstation (Location/ # if applicable):	N/A
In the event the aircraft or UAS lands ensure the following:		
1	Sector Supervisor will establish incident command as practicable.	N/A
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 the OC and suggest Shelter in Place if aircraft/UAS is emitting substance.	N/A
3	Establish containment (300 ft.) around the immediate area (treat as a crime scene).	N/A
4	Ensure the scene is assessed with explosive detection canine when practicable.	N/A

Operator Signature: (b)(6) Badge Number: (b)(6)
 Supervisor Signature: (b)(6) Badge Number: (b)(6)

~~UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
 NOT FOR PUBLIC DISSEMINATION
 Unauthorized dissemination is subject to civil and criminal sanctions under Sect. 148 of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2148).
 Reviewing Official: (b)(6) CNS Classification Officer
 Name: (b)(6)
 Organization: Safeguards, Security & Emergency Services
 Date: 04/12/2021
 Guidance Used: CG-SS-5, 7/15, DOE OC~~

UCN-45351 (4-12-21)