
From: (b)(6)
Sent: Tuesday, October 01, 2019 11:18 AM
To: Haire, Mark
Subject: FW: minimizing calls to duty officers during sleeping hours

For your awareness.

From: Hoc, HOO X
Sent: Tuesday, October 01, 2019 11:16 AM
To: Pearson, Laura <Laura.Pearson@nrc.gov>
Cc: Crouch, Howard <Howard.Crouch@nrc.gov>; Waugh, Andrew <Andrew.Waugh@nrc.gov>; Kennedy, Silas <Silas.Kennedy@nrc.gov>; (b)(6)
(b)(6) Richardson, Rebecca
<Rebecca.Richardson@nrc.gov>; (b)(6) (b)(6)
(b)(6) Yip, Brian <Brian.Yip@nrc.gov>
Subject: RE: minimizing calls to duty officers during sleeping hours

Laura,

Here is the guidance that your predecessor(s) provided to us with respect to immediate notifications to the ILTAB Duty Officer. The implication is that all other notifications to the duty officer will be during normal working hours. In our parlance, **IMMEDIATELY NOTIFY** means no matter the hour. Please feel free to provide us guidance on when, or if, we are ever to immediately notify the ILTAB duty officer of events. For instance, if only during emergencies, please specify what constitutes an emergency (Security EALs invoked by the licensee, armed response to the facility by LLEA, credible threat information, etc.)

1. **IF** notification involves activities which pose a potential direct or communicated threat to the site including, but not limited to:
 - Ongoing security events. (basis for the drone calls since they were loitering in the OCA)
 - Verbal/telephone/e-mail threats.
 - Bomb threats.
 - Threats to site employees.
 - Fence jumpers/intrusions.
 - Security barrier penetrations.
 - Discovery of weapons or explosives.
 - Event involving law enforcement response/investigation on the owner-controlled area (OCA) or watercraft exclusion areas.
 - Event involving FBI investigation.
 - Security-related media attention at any level.
 - Sabotage/Tampering

THEN IMMEDIATELY NOTIFY:

ILTAB Duty Officer

(Call List 24)

Regards,
Howie Crouch

Headquarters Operations Officer
U. S. Nuclear Regulatory Commission

phone: 301-816-5100
fax: 301-816-5151
hoo.hoc@nrc.gov
secure: hoo1@nrc.sgov.gov



From: Kennedy, Silas
Sent: Tuesday, October 01, 2019 10:36 AM
To: Hoc, HOO X <HOO.Hoc@nrc.gov>
Cc: Crouch, Howard <Howard.Crouch@nrc.gov>; Waugh, Andrew <Andrew.Waugh@nrc.gov>; Pearson, Laura <Laura.Pearson@nrc.gov>
Subject: FW: minimizing calls to duty officers during sleeping hours

HOO,

Please place a note in the turnover log stating "Until further notice, do not call the ILTAB duty officer from 10 pm until 6 am for drone flyovers of Palo Verde. Send an email to ILTAB in the morning. This is specific to Palo Verde only. For all other licensed facilities, continue to follow HOO procedures until changes are made."

Thanks,

Silas

From: Pearson, Laura
Sent: Tuesday, October 01, 2019 8:09 AM
To: Kennedy, Silas <Silas.Kennedy@nrc.gov>
Subject: RE: minimizing calls to duty officers during sleeping hours

Silas, can we temporarily halt calls to the ILTAB duty officer about drones flying over this NPP in the wee hours, before we are able to make a permanent change to the procedures? There is nothing ILTAB can do about it at night, and if my staff has to be woken up about it each night, it will start to cause other problems for us. We have a small staff and having people out or late because they are not getting adequate sleep will impact our ability to get work done.

From: (b)(6)
Sent: Tuesday, October 01, 2019 6:36 AM
To: Pearson, Laura <Laura.Pearson@nrc.gov>
Subject: RE: minimizing calls to duty officers during sleeping hours

Thanks. Got another call last night at 12:30. Same place, same drones.

(b)(6)

From: Pearson, Laura
Sent: Monday, September 30, 2019 10:13 AM
To: (b)(6)
Subject: FW: minimizing calls to duty officers during sleeping hours

FYI

From: Kennedy, Silas
Sent: Monday, September 30, 2019 9:48 AM
To: Waugh, Andrew <Andrew.Waugh@nrc.gov>
Cc: Pearson, Laura <Laura.Pearson@nrc.gov>; (b)(6) Crouch, Howard
<Howard.Crouch@nrc.gov>
Subject: RE: minimizing calls to duty officers during sleeping hours

Andy,

Please work with (b)(6) to update HOO procedures to help minimize calls to ILTAB during the middle of the night. Please see emails below.

Thanks,

Silas

From: Pearson, Laura
Sent: Monday, September 30, 2019 9:43 AM
To: Kennedy, Silas <Silas.Kennedy@nrc.gov>; (b)(6)
Subject: RE: minimizing calls to duty officers during sleeping hours

Thanks! (b)(6) is the POC.

From: Kennedy, Silas
Sent: Monday, September 30, 2019 9:25 AM
To: Pearson, Laura <Laura.Pearson@nrc.gov>
Subject: RE: minimizing calls to duty officers during sleeping hours

Good Morning Laura,

Probably the best way forward is to change the procedure to clearly state what ILTAB would like to be notified for immediately and notified in the morning (email). If you can give me a point of contact in your branch, I can have him work with one of my procedure leads to propose a change.

Silas

Silas Kennedy

Chief, Operations Branch
Division of Preparedness and Response
Nuclear Security and Incident Response
301-287-0756 Work

(b)(6) Mobile

From: Pearson, Laura
Sent: Monday, September 30, 2019 9:18 AM
To: Kennedy, Silas <Silas.Kennedy@nrc.gov>
Subject: minimizing calls to duty officers during sleeping hours

Silas,

Our folks got calls last night at 2am, which is correct per the procedure. However, I am wondering if there is a way to cut down on calls in the middle of the night for issues that ILTAB can't add value to. The call last night about drones is a good example—in the middle of the night, ILTAB can't really do anything about it anyway apart from say "ok thanks" and handle it in the morning. However, the call interrupts sleep, and then they are either groggy or come in late, so there's negative returns on it from an organizational perspective. We are also understaffed in here, so I need all my folks to be able to come in and be alert. Can we change the procedure or reinterpret the procedure so that staff are only called in a true emergency? Thanks.

Laura Pearson
Chief, Intelligence Liaison and Threat Assessment Branch
Office of Nuclear Security and Incident Response
301-492-3933

From: (b)(6)
Sent: Monday, October 28, 2019 1:35 PM
To: (b)(6)
Subject: FW: Palo Verde NPP - Suspicious Activity Reports
Attachments: 2019 - Palo Verde, 2.pdf; 2019 - Palo Verde.pdf

Good afternoon.

I wanted to follow up with you to see whether there is any continued investigation into the two UAV overflight events at Palo Verde from earlier this month, or whether these have been closed "unresolved."

Thank you,

(b)(6)
(b)(6)
From: (b)(6)
Sent: Tuesday, October 01, 2019 2:03 PM
To: (b)(6)
Subject: Palo Verde NPP - Suspicious Activity Reports

SA (b)(6)

We have received two separate suspicious activity reports from Palo Verde Nuclear Power Plant regarding multiple UAVs flying over / around the facility overnight. The first report was from Sunday night, and the other report was from Monday night (see attached).

Site security was unable to observe any identifying markings on the UAVs themselves or locate the operator(s), so I do not know how much additional investigation can be undertaken. However, if you are able to get any additional information, please let me know so that I can update our records / database accordingly.

Thank you,

(b)(6)

Intelligence Specialist
Response Coordination Branch, Region IV
U.S. Nuclear Regulatory Commission

Tel: (b)(6)

(b)(6)

SID # SID-02998

Created by Thomas Kendzia on Sep 30, 2019 12:22:11 AM

General Information Access Control All Tabs

Last Comment

Thomas Kendzia [1823], Sep 30, 2019 1:28:36 AM, Draft:

Record Number SID-02998	EN # N/A	Incident Status <input checked="" type="checkbox"/> Open <input type="checkbox"/> Closed Resolved <input type="checkbox"/> Closed Unresolved
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General Information

Incident / Communication Document Date
Sep 29, 2019 20:50:00 MST(-0700)

Subject/Short Description
DRONE FLYOVER

Reporting Organization
Power Reactor - Operating

Site/Licensee
Palo Verde

Site/Licensee Name Palo Verde	State AZ	Region 4	Timezone (GMT-7:00) Mountain Standard Time [US/Arizona]
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Report Category
Drone

Non-Sensitive Attachments

(R) Sensitive Attachments

- SID2998-01.01.WAV
- SID2998-02.37.WAV
- SID2998-12.46.WAV
- SID2998-12.49.WAV
- SID2998-12.55.WAV
- SID2998-12.56.WAV

Document Links

External Links

External Reference Number

Vehicle(s) Involved (Query)

Person(s) Involved (Query)

Incident Information

73.71 Report?
 Yes No

37.57 Report?
 Yes No

37.81 Report?
 Yes No

Notification Date/Time/Timezone
Sep 29, 2019 23:47:00 CDT

(R) Caller Name
Daphne Rodriguez

(R) Caller Title
Acting Security Section Chief

Caller Affiliation
Palo Verde Security

(R) Call Back Phone #
623-393-1715

HOO/HERO
Thomas Kendzia

ILTAB Duty Officer

(b)(6)

(R) Detailed Description of Incident

Officer noticed several drones (5 or 6) flying over the site. The drones are circling the 3 unit site inside and outside the Protected Area. The drones have flashing red and white lights and are estimated to be 200 to 300 hundred feet above the site. It was reported the drones had spotlights on while approaching the site that they turned off when they entered the Security Owner Controlled Area. Drones were first noticed at 2050 MST and are still over the site as of 2147 MST. Security Posture was normal, which was changed to elevated when the drones were noticed. The Licensee notified one of the NRC resident inspectors.

Prepare to Redact

As of 0237 EST, no drones have been observed at the site since 2230 MST. Officers believe drones were over 2 feet in diameter.

Notified the R4DO (Gaddy) and ILTAB (b)(6)

This report is open pending ILTAB/ILTAT review. ILTAB/ILTAT will update or close this report when appropriate.

Redacted Description of Incident

Officer noticed several drones (5 or 6) flying over the site. The drones are circling the 3 unit site inside and outside the Protected Area. The drones have flashing red and white lights and are estimated to be 200 to 300 hundred feet above the site. It was reported the drones had spotlights on while approaching the site that they turned off when they entered the Security Owner Controlled Area. Drones were first noticed at 2050 MST and are still over the site as of 2147 MST. Security Posture was normal, which was changed to elevated when the drones were noticed. The Licensee notified one of the NRC resident inspectors.

Redact Selected Text

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Notified the R4DO (Gaddy) and ILTAB (b)(6)

This report is open pending ILTAB/ILTAT review. ILTAB/ILTAT will update or close this report when appropriate.

Updates / ILTAB Summary

Last Updated
Sep 30, 2019 0:22:11 CDT

Caller's Notification Information

(R) Name
Maricopa County Sheriff Office

(R) Organization
LLEA

(R) Phone
602-876-1011

(R) Name
Albuquerque FAA Office

(R) Organization
FAA

(R) Phone
505-856-4500

(R) Name
Phoenix FAA Office

(R) Organization
FAA

(R) Phone
602-306-2566

(R) Name
Heather Martin, Washington DC FAA Office

(R) Organization
FAA

(R) Phone
202-267-3333

(R) Name
Regional FBI Office

(R) Organization
FBI

(R) Phone
623-466-1999

(R) Name
DHS Office

(R) Organization
DHS

(R) Phone
202-282-8101

NRC's External Notification Information

(R) = "Restricted Field" (not viewable by general users)

SID # SID-02999

Created by Bethany Cecere on Oct 1, 2019 12:09:22 PM

General Information Access Control All Tabs

Last Comment

Bethany Cecere [1705], Oct 1, 2019 12:27:32 PM, Draft:
 *** This event was originally entered as an update to SID-02998, but is administratively now a new event in the database. ***

Record Number	EN #	Incident Status
SID-02999	N/A	<input checked="" type="radio"/> Open <input type="radio"/> Closed Resolved <input type="radio"/> Closed Unresolved

General Information

Incident / Communication Document Date
 Sep 30, 2019 20:51:00 MST(-0700)

Subject/Short Description
 DRONE FLYOVER

Reporting Organization
 Power Reactor - Operating

Site/Licensee
 Palo Verde

Site/Licensee Name	State	Region	Timezone
Palo Verde	AZ	4	(GMT-7:00) Mountain Standard Time [US/Arizona]

Report Category
 Drone

Non-Sensitive Attachments

(R) Sensitive Attachments

- Sid2998 20191001 0011.WAV
- Sid2998 20191001 0100.WAV
- Sid2998 20191001 0352.WAV

Document Links
 SID # SID-02998 (ILTAB)

External Links

External Reference Number

Vehicle(s) Involved (Query)

Person(s) Involved (Query)

Incident Information

73.71 Report?
 Yes No

37.57 Report?
 Yes No

37.81 Report?
 Yes No

Notification Date/Time/Timezone
Sep 30, 2019 23:13:00 CDT

(R) Caller Name
ISMAEL GARCIA

(R) Caller Title
Security Supervisor

Caller Affiliation
Palo Verde Security

(R) Call Back Phone #
623-393-1715

HOO/HERO
Donald Norwood

ILTAB Duty Officer

(b)(6)

(R) Detailed Description of Incident

*** This event was originally entered as an update to SID-02998, but is administratively now a new event in the database. ***

Prepare to Redact

Four (4) drones were observed flying beginning at 2051 MST and continuing through the time of this report (2113 MST). As occurred last night, the drones are flying in, through, and around the owner controlled area, the security owner controlled area, and the protected area. Also, as last night, the drones are described as large with red and white flashing lights. Spotlights have not been noted tonight.

The licensee has not changed their security posture. The licensee continues to monitor the drones.

As of 0355 EDT, no drones have been observed at the site since before 0020 MST. LLEA surveyed the area and were unable to locate drones on the ground or anyone controlling the drones.

The licensee notified FAA (both Phoenix and Albuquerque), FBI, DHS, and the Maricopa Sheriff's Office. The licensee notified the NRC Resident Inspector.

Notified R4DO (Proulx) and ILTAB (b)(6)

This report is open pending ILTAB/ILTAT review. ILTAB/ILTAT will update or close this report when appropriate.

Redact Selected Text

Redacted Description of Incident

*** This event was originally entered as an update to SID-02998, but is administratively now a new event in the database. ***

Four (4) drones were observed flying beginning at 2051 MST and continuing through the time of this report (2113 MST). As occurred last night, the drones are flying in, through, and around the owner controlled area, the security owner controlled area, and the protected area. Also, as last night, the drones are described as large with red and white flashing lights. Spotlights have not been noted tonight.

The licensee has not changed their security posture. The licensee continues to monitor the drones.

As of 0355 EDT, no drones have been observed at the site since before 0020 MST. LLEA surveyed the area and were unable to locate drones on the ground or anyone controlling the drones.

The licensee notified FAA (both Phoenix and Albuquerque), FBI, DHS, and the Maricopa Sheriff's Office. The licensee notified the NRC Resident Inspector.

Notified R4DO (Proulx) and ILTAB (b)(6)

This report is open pending ILTAB/ILTAT review. ILTAB/ILTAT will update or close this report when appropriate.

Updates / ILTAB Summary

Last Updated
Oct 1, 2019 12:09:22 CDT

Caller's Notification Information

(R) Name	(R) Organization	(R) Phone
Maricopa County Sheriff Office	LLEA	602-876-1011
Albuquerque FAA Office	FAA	505-856-4500
Phoenix FAA Office	FAA	602-306-2566
Heather Martin, Washington DC FAA Office	FAA	202-267-3333
Regional FBI Office	FBI	623-466-1999
DHS Office	DHS	202-282-8101

NRC's External Notification Information

(R) = "Restricted Field" (not viewable by general users)

From: (b)(6)
Sent: Wednesday, October 02, 2019 3:33 PM
To: (b)(6)
Cc: Pearson, Laura
Subject: FW: PVGS - UAV overflights (an update)

(b)(6)

See below for an update on the UAV overflights at Palo Verde. The licensee asked about the best way to report future overflight events, and I encouraged them to continue to route those through the HOO, rather than to me directly. I also used this opportunity to reinforce the value of suspicious activity reporting more broadly.

Just wanted to keep you in the loop. Have a nice afternoon.

(b)(6)

From: (b)(6)
Sent: Wednesday, October 02, 2019 3:31 PM
To: Morris, Scott <Scott.Morris@nrc.gov>; Lantz, Ryan <Ryan.Lantz@nrc.gov>; Miller, Geoffrey <Geoffrey.Miller@nrc.gov>; Vegel, Anton <Anton.Vegel@nrc.gov>; Inverso, Tara <Tara.Inverso@nrc.gov>
Cc: Dixon, John <John.Dixon@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>
Subject: PVGS - UAV overflights (an update)

Scott,

At the urging of John Dixon (thanks, John!), I just received a call from Sean Darnseif and Michael Casenza (?) from PVGS to update me on the activities their site is undertaking to attempt to identify the UAV operators from earlier this week.

According to our discussions just now, PVGS is working closely with their regulatory affairs staff, LLEA, DHS, FAA, and FBI to address the UAV overflights. Further, PVGS intends to deploy a counter-drone technology from Area Armor to attempt to identify the UAV operators. This technology apparently has a 13-mile radius and can determine the specific point from which the UAVs were launched so that LLEA / site security can locate the operator(s). I confirmed with the licensee that they have coordinated the use of this counter drone technology with FAA, and they informed me that this technology only locates the UAVs; it does not interfere with the flight pattern of those UAVs in any way. PVGS has also staffed an additional team on the backshift to help search for any potential operators should additional UAVs be observed later this week.

I have conveyed this information to my FBI counterpart with whom I have been coordinating this week for his awareness, and I have asked both PVGS and the FBI to keep me informed of any additional information they may receive during the course of this investigation. I will also share this information with ILTAB for their on-call duty officer's awareness.

Thank you,

(b)(6)

Intelligence Specialist
Response Coordination Branch, Region IV
U.S. Nuclear Regulatory Commission

Tel: (b)(6)
(b)(6)

From: Haire, Mark
Sent: Thursday, October 03, 2019 8:15 AM
To: (b)(6)
Subject: FW: PVGS - UAV overflights (an update)

FYI

Mark S. Haire
Chief, Response Coordination Branch
Nuclear Regulatory Commission, Region-IV
817-200-1223 office
(b)(6) cell

From: Holian, Brian
Sent: Thursday, October 03, 2019 5:35 AM
To: Morris, Scott <Scott.Morris@nrc.gov>; Lombard, Mark <Mark.Lombard@nrc.gov>; Rivers, Joseph <Joseph.Rivers@nrc.gov>; Helton, Shana <Shana.Helton@nrc.gov>; Bailey, Marissa <Marissa.Bailey@nrc.gov>
Cc: Thomas, Brian <Brian.Thomas@nrc.gov>; Bowen, Jeremy <Jeremy.Bowen@nrc.gov>; Rivera, Alison <Alison.Rivera@nrc.gov>; Atack, Sabrina <Sabrina.Atask@nrc.gov>; Pearson, Laura <Laura.Pearson@nrc.gov>; Lantz, Ryan <Ryan.Lantz@nrc.gov>; Miller, Geoffrey <Geoffrey.Miller@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>
Subject: Re: PVGS - UAV overflights (an update)

Thanks Scott and all ...

Good cautions Scott. Things we have thought of. (b)(5)

(b)(5)

NEI has a drone working group and we will bring these examples to them

(b)(5)

Thanks for your close coordination on these
Brian
Ps. We will get our updates talking points...

On: 03 October 2019 03:48,
"Morris, Scott" <Scott.Morris@nrc.gov> wrote:

(b)(5)

----- Original Message -----

From: "Lombard, Mark" <Mark.Lombard@nrc.gov>
Date: Wed, October 02, 2019 6:25 PM -0500
To: "Rivers, Joseph" <Joseph.Rivers@nrc.gov>, "Helton, Shana" <Shana.Helton@nrc.gov>, "Bailey, Marissa" <Marissa.Bailey@nrc.gov>, "Holian, Brian" <Brian.Holian@nrc.gov>
CC: "Thomas, Brian" <Brian.Thomas@nrc.gov>, "Bowen, Jeremy" <Jeremy.Bowen@nrc.gov>, "Rivera, Alison" <Alison.Rivera@nrc.gov>, "Holian, Brian" <Brian.Holian@nrc.gov>, "Morris, Scott" <Scott.Morris@nrc.gov>, "Bailey, Marissa" <Marissa.Bailey@nrc.gov>, "Atack, Sabrina" <Sabrina.Atask@nrc.gov>, "Pearson, Laura" <Laura.Pearson@nrc.gov>
Subject: Re: PVGS - UAV overflights (an update)

PS-let's please not brief this out further until I get to Dan and we have a bit more info.

----- Original Message -----

From: "Lombard, Mark" <Mark.Lombard@nrc.gov>
Date: Wed, October 02, 2019 7:14 PM -0400
To: "Rivers, Joseph" <Joseph.Rivers@nrc.gov>, "Helton, Shana" <Shana.Helton@nrc.gov>, "Bailey, Marissa" <Marissa.Bailey@nrc.gov>, "Holian, Brian" <Brian.Holian@nrc.gov>
CC: "Thomas, Brian" <Brian.Thomas@nrc.gov>, "Bowen, Jeremy" <Jeremy.Bowen@nrc.gov>, "Rivera, Alison" <Alison.Rivera@nrc.gov>, "Holian, Brian" <Brian.Holian@nrc.gov>, "Morris, Scott" <Scott.Morris@nrc.gov>
Subject: Re: PVGS - UAV overflights (an update)

Since drones are aircraft and they are not violating a law, what is the action that can be taken legally if they locate the operator?

Mark

----- Original Message -----

From: "Rivers, Joseph" <Joseph.Rivers@nrc.gov>
Date: Wed, October 02, 2019 6:55 PM -0400
To: "Helton, Shana" <Shana.Helton@nrc.gov>, "Bailey, Marissa" <Marissa.Bailey@nrc.gov>, "Lombard, Mark" <Mark.Lombard@nrc.gov>, "Holian, Brian" <Brian.Holian@nrc.gov>
CC: "Thomas, Brian" <Brian.Thomas@nrc.gov>, "Bowen, Jeremy" <Jeremy.Bowen@nrc.gov>, "Rivera, Alison" <Alison.Rivera@nrc.gov>, "Stone, Rebecca" <Rebecca.Stone@nrc.gov>, "Miller, Geoffrey" <Geoffrey.Miller@nrc.gov>
Subject: Re: PVGS - UAV overflights (an update)

Actually, the system they describe is not a counter-UAV technology. It is a detection system that could aid in the identification of the people flying the UAVs. However, at this time, the pilots are not violating any laws or regulations by flying over the plant.

Joe

From: Helton, Shana <Shana.Helton@nrc.gov>
Sent: Wednesday, October 2, 2019 5:05 PM
To: Bailey, Marissa <Marissa.Bailey@nrc.gov>; Lombard, Mark <Mark.Lombard@nrc.gov>; Holian, Brian <Brian.Holian@nrc.gov>
Cc: Thomas, Brian <Brian.Thomas@nrc.gov>; Bowen, Jeremy <Jeremy.Bowen@nrc.gov>; Rivers, Joseph <Joseph.Rivers@nrc.gov>; Rivera, Alison <Alison.Rivera@nrc.gov>; Stone, Rebecca <Rebecca.Stone@nrc.gov>; Miller,

Geoffrey <Geoffrey.Miller@nrc.gov>

Subject: FYI: PVGS - UAV overflights (an update)

FYI, note the below re: licensee using counter-drone technology. (Thanks, Geoff, for passing this along.)

From: Miller, Geoffrey

Sent: Wednesday, October 02, 2019 5:03 PM

To: Helton, Shana <Shana.Helton@nrc.gov>; Bowen, Jeremy <Jeremy.Bowen@nrc.gov>

Cc: Lantz, Ryan <Ryan.Lantz@nrc.gov>

Subject: FW: PVGS - UAV overflights (an update)

FYI – in case you hadn't heard through other channels.

From: (b)(6)

Sent: Wednesday, October 02, 2019 3:31 PM

To: Morris, Scott <Scott.Morris@nrc.gov>; Lantz, Ryan <Ryan.Lantz@nrc.gov>; Miller, Geoffrey <Geoffrey.Miller@nrc.gov>; Vogel, Anton <Anton.Vogel@nrc.gov>; Inverso, Tara <Tara.Inverso@nrc.gov>

Cc: Dixon, John <John.Dixon@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>

Subject: PVGS - UAV overflights (an update)

Scott,

At the urging of John Dixon (thanks, John!), I just received a call from Sean Darnseif and Michael Casenza (?) from PVGS to update me on the activities their site is undertaking to attempt to identify the UAV operators from earlier this week.

According to our discussions just now, PVGS is working closely with their regulatory affairs staff, LLEA, DHS, FAA, and FBI to address the UAV overflights. Further, PVGS intends to deploy a counter-drone technology from Area Armor to attempt to identify the UAV operators. This technology apparently has a 13-mile radius and can determine the specific point from which the UAVs were launched so that LLEA / site security can locate the operator(s). I confirmed with the licensee that they have coordinated the use of this counter drone technology with FAA, and they informed me that this technology only locates the UAVs; it does not interfere with the flight pattern of those UAVs in any way. PVGS has also staffed an additional team on the backshift to help search for any potential operators should additional UAVs be observed later this week.

I have conveyed this information to my FBI counterpart with whom I have been coordinating this week for his awareness, and I have asked both PVGS and the FBI to keep me informed of any additional information they may receive during the course of this investigation. I will also share this information with ILTAB for their on-call duty officer's awareness.

Thank you,

(b)(6)

Intelligence Specialist
Response Coordination Branch, Region IV
U.S. Nuclear Regulatory Commission

Tel: (b)(6)

(b)(6)

From: Dixon, John
Sent: Tuesday, October 01, 2019 9:02 AM
To: Peabody, Charley
Cc: Bywater, Russ; You, David
Subject: FW: SID Notice: 9/30/2019

This is getting serious attention now. Nothing required of us at this time.

John L. Dixon
Chief, Branch D
817-200-1574

(b)(6) (c)

From: (b)(6)
Sent: Tuesday, October 01, 2019 8:54 AM
To: Morris, Scott <Scott.Morris@nrc.gov>; Lantz, Ryan <Ryan.Lantz@nrc.gov>; Miller, Geoffrey <Geoffrey.Miller@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>; Dixon, John <John.Dixon@nrc.gov>; Vegal, Anton <Anton.Vegal@nrc.gov>; Inverso, Tara <Tara.Inverso@nrc.gov>
Subject: RE: SID Notice: 9/30/2019

Thanks, Scott.

As you may have already seen, there was a second overnight overflight incident last night, also involving multiple drones. I am contacting the FBI's WMD Coordinator to follow up with him on this second overflight incident, having already contacted them yesterday about the Sunday night incident.

And yes, I agree that both of these overflight incidents at Palo Verde meet several criteria that we have historically used in triaging UAV overflights as particularly worthy of follow-up (# of UAVs involved, time of day, length of overflight, maneuvers, etc.).

(b)(6)

From: Morris, Scott
Sent: Tuesday, October 01, 2019 8:51 AM
To: (b)(6) Lantz, Ryan <Ryan.Lantz@nrc.gov>; Miller, Geoffrey <Geoffrey.Miller@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>; Dixon, John <John.Dixon@nrc.gov>; Vegal, Anton <Anton.Vegal@nrc.gov>; Inverso, Tara <Tara.Inverso@nrc.gov>
Subject: FW: SID Notice: 9/30/2019

FYI

From: Holian, Brian
Sent: Monday, September 30, 2019 3:54 PM
To: Morris, Scott <Scott.Morris@nrc.gov>; Dorman, Dan <Dan.Dorman@nrc.gov>; Lombard, Mark <Mark.Lombard@nrc.gov>
Subject: Re: SID Notice: 9/30/2019

Yes Scott. Agree

But we also had several high speed drones over Limerick that caused a VP to call about 8months ago.

We are tracking these. SIDS helps us track.

Dan - of note last week is that FERC in their recent rulemaking has a suspicious activity reporting requirement

Mark - Norm (OGC) took note of that also

Try to get more specifics - I don't think they asked us for comment on their rule

Brian

On: 30 September 2019 13:31,

"Morris, Scott" <Scott.Morris@nrc.gov> wrote:

This one was very unusual in my experience!!! 5 or 6 drones flying over the site for over 1 ½ hours? With lights off?

Officer noticed several drones (5 or 6) flying over the site. The drones are circling the 3 unit site inside and outside the Protected Area. The drones have flashing red and white lights and are estimated to be 200 to 300 hundred feet above the site. It was reported the drones had spotlights on while approaching the site that they turned off when they entered the Security Owner Controlled Area. Drones were first noticed at 2050 MST and are still over the site as of 2147 MST. Security Posture was normal, which was changed to elevated when the drones were noticed. The Licensee notified one of the NRC resident inspectors.

As of 0237 EST, no drones have been observed at the site since 2230 MST. Officers believe drones were over 2 feet in diameter.

From: Hoc, HOO X

Sent: Monday, September 30, 2019 2:22 AM

To: Hoc, HOO X <HOO.Hoc@nrc.gov>

Subject: SID Notice: 9/30/2019

Importance: High

~~FOR OFFICIAL USE ONLY - LIMITED DISTRIBUTION~~

SID#: SID-02998 ; Palo Verde ; Open

The following attached report may contain "law enforcement sensitive" information. Please do not relay this information to individuals who do not have a "need to know".

Headquarters Operations Officer
U.S. Nuclear Regulatory Commission
Phone: 301-816-5100
Fax: 301-816-5151

From: [Miller, Geoffrey](#)
To: [Morris, Scott](#); [Shaffer, Mark](#)
Cc: [Lantz, Ryan](#)
Subject: FW: SID Notice: 9/30/2019
Date: Tuesday, October 01, 2019 9:19:57 AM

(b)(6) might have a good point . . .

From: (b)(6)
Sent: Tuesday, October 1, 2019 9:58 AM
To: Miller, Geoffrey <Geoffrey.Miller@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>
Subject: FW: SID Notice: 9/30/2019

Geoff / Mark:

(b)(5)

Just my two cents worth of an observation. I'm off to a tabletop exercise.

(b)(6)

From: (b)(6)
Sent: Tuesday, October 01, 2019 8:54 AM
To: [Morris, Scott](#) <Scott.Morris@nrc.gov>; [Lantz, Ryan](#) <Ryan.Lantz@nrc.gov>; [Miller, Geoffrey](#) <Geoffrey.Miller@nrc.gov>; [Haire, Mark](#) <Mark.Haire@nrc.gov>; [Dixon, John](#) <John.Dixon@nrc.gov>; [Veget, Anton](#) <Anton.Veget@nrc.gov>; [Inverso, Tara](#) <Tara.Inverso@nrc.gov>
Subject: RE: SID Notice: 9/30/2019

Thanks, Scott.

As you may have already seen, there was a second overnight overflight incident last night, also involving multiple drones. I am contacting the FBI's WMD Coordinator to follow up with him on this second overflight incident, having already contacted them yesterday about the Sunday night incident.

And yes, I agree that both of these overflight incidents at Palo Verde meet several criteria that we have historically used in triaging UAV overflights as particularly worthy of follow-up (# of UAVs involved, time of day, length of overflight, maneuvers, etc.).

(b)(6)

From: Morris, Scott

Sent: Tuesday, October 01, 2019 8:51 AM

To: (b)(6) Lantz, Ryan <Ryan.Lantz@nrc.gov>; Miller, Geoffrey <Geoffrey.Miller@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>; Dixon, John <John.Dixon@nrc.gov>; Vegel, Anton <Anton.Vegel@nrc.gov>; Inverso, Tara <Tara.Inverso@nrc.gov>

Subject: FW: SID Notice: 9/30/2019

FYI

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To: Morris, Scott <Scott.Morris@nrc.gov>; Dorman, Dan <Dan.Dorman@nrc.gov>; Lombard, Mark <Mark.Lombard@nrc.gov>

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