

Log Book Entry Report

10/16/2019 (00:00 ET) :

TURNOVER

Non-Responsive Record

NEW TURNOVER ITEMS ON TOP (Keep for two weeks, then delete or move to appropriate section if needed.)

Non-Responsive Record

GENERAL TURNOVER NOTES:

- Until further notice, do not call the ILTAB duty officer from 10 pm until 6 am for drone flyovers of Palo Verde. Call 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. (per Silas)

Non-Responsive Record

Non-Responsive Record

Non-Responsive Record

Non-Responsive Record

PROCEDURE CHANGES:

BRANCH CHIEF GENERAL NOTES, HINTS, AND TIPS:

Non-Responsive Record

UPCOMING CONFERENCE BRIDGE RESERVATIONS:

UPCOMING DRILLS AND EXERCISES:

Non-Responsive Record

Non-Responsive Record

Log Book Entry Report

10/23/2019 (00:00 ET) :

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UPCOMING CONFERENCE BRIDGE RESERVATIONS:

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Log Book Entry Report

10/24/2019 (00:00 ET) :

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Log Book Entry Report

10/29/2019 (00:00 ET) :

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Log Book Entry Report

10/31/2019 (00:00 ET) :

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Non-Responsive Record

Non-Responsive Record

From: (b)(6)
To: [Miller, Geoffrey](#); [Haire, Mark](#)
Subject: RE: SID Notice: 9/30/2019
Date: Tuesday, October 01, 2019 10:32:00 AM

Geoff,

I look forward to that discussion. I would love to have a better understanding of where we are going as an Agency on the topic of drones.

Safe travels back.

(b)(6)

From: Miller, Geoffrey
Sent: Tuesday, October 01, 2019 10:32 AM
To: (b)(6) [Haire, Mark](#) <Mark.Haire@nrc.gov>
Subject: RE: SID Notice: 9/30/2019

Excellent observation, (b)(6) – thank you for that! I just met with Shana Helton and Jeremy Bowen for a detailed discussion about drones, FERC, and where we are with reporting requirements. They also gave me a couple one-pagers they are developing. I'll stop by your office to give you a download after I get back tomorrow.

Thank you again,

Geoff

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>; 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
email: hoo.hoc@nrc.gov
secure e-mail: hool@nrc.sgov.gov

From: (b)(6)
Sent: Wednesday, October 02, 2019 3:19 PM
To: (b)(6)
Subject: RE: Palo Verde NPP - Suspicious Activity Reports

Good afternoon,

I just wanted to let you know, although you may already be aware, that the licensee 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. They have also staffed an additional team on the backshift to help search for any potential operators should additional UAVs be sited later this week.

If you learn of any additional information related to the PVGS overflights, I would certainly appreciate it if you could pass it my way.

Thank you,

(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)

From: (b)(6)
Sent: Tuesday, October 22, 2019 3:31 PM
To: Lanfear, Raymond
Subject: RE: Palo Verde Security Event. *OUO*

Typically, yes. I just didn't know whether the topic of UAVs had come up during any of your more routine engagement with PVGS. I plan to reach out to the site security folks later this week to follow-up, but I didn't want to duplicate any efforts that may have already been undertaken.

Thanks.

(b)(6)

From: Lanfear, Raymond
Sent: Tuesday, October 22, 2019 3:29 PM
To: (b)(6)
Subject: RE: Palo Verde Security Event. *OUO*

I do not know.

I thought the SID stood for itself. Should other UAV overflights occur, a new SID would capture it.

From: (b)(6)
Sent: Tuesday, October 22, 2019 3:25 PM
To: Lanfear, Raymond <Raymond.Lanfear@nrc.gov>
Subject: RE: Palo Verde Security Event. *OUO*

Thanks for the update, Ray.

On a different topic, I assume, having seen no further SID reports on the topic, that there have been no additional UAV overflights of PV. Is that correct?

Non-Responsive Record

Non-Responsive Record

Non-Responsive Record

Non-Responsive Record

From: (b)(6)
Sent: Thursday, October 03, 2019 12:19 PM
To: Morris, Scott; Lantz, Ryan; Miller, Geoffrey; Vogel, Anton; Inverso, Tara
Cc: Dixon, John; Haire, Mark
Subject: RE: PVGS - UAV overflights (an update)

You're welcome.

One more update for general awareness:

The FBI's WMD Coordinator wrote back this morning and indicated that PVGS has begun the process of designating their airspace as restricted through the FAA, and that the effort was being led by DOE. He indicated that the FBI is working to "assist the DOE in this process."

(b)(6)

From: Morris, Scott
Sent: Thursday, October 03, 2019 12:17 PM
To: (b)(6); 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: RE: PVGS - UAV overflights (an update)

THANKS (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>; 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: [Morris, Scott](#)
To: [Miller, Geoffrey](#)
Cc: [Lantz, Ryan](#); [Haire, Mark](#)
Subject: RE: PVGS - UAV overflights (an update)
Date: Thursday, October 03, 2019 12:14:12 PM

That was my concern too.

From: Miller, Geoffrey
Sent: Thursday, October 03, 2019 6:40 AM
To: Morris, Scott <Scott.Morris@nrc.gov>
Cc: Lantz, Ryan <Ryan.Lantz@nrc.gov>; Haire, Mark <Mark.Haire@nrc.gov>
Subject: RE: PVGS - UAV overflights (an update)

(b)(5)

From: Morris, Scott
Sent: Wednesday, October 02, 2019 9:48 PM
To: Lombard, Mark <Mark.Lombard@nrc.gov>; 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>; 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)

(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>; Vegel, Anton <Anton.Vegel@nrc.gov>; Inverso, Tara <Tara.Inverso@nrc.gov>

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Thank you,

(b)(6)

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

Tel: (b)(6)

(b)(6)

From: [Miller, Geoffrey](#)
To: [Morris, Scott](#); [Lantz, Ryan](#); [Veget, Anton](#); [Inverso, Tara](#)
Subject: RE: SID Notice: 9/30/2019
Date: Tuesday, October 01, 2019 9:17:57 AM

(b)(5)

From: Morris, Scott
Sent: Tuesday, October 1, 2019 9:51 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>; Veget, Anton <Anton.Veget@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

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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.

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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
email: hoo.hoc@nrc.gov
secure e-mail: hoo1@nrc.sgov.gov