From:	Inverso, Tara
Sent:	Friday, October 4, 2019 10:08 AM
To:	R4DRP-DIV; R4DRS-DIV: <u>R4ACES:</u> Morris, Scott; Shaffer, Mark; Murphy, Jerome; Crockett, David; Herrera, Jeffrey; ^{(b)(6)} Haire, Mark
Subject:	Reactor Team Successes!!

REGION IV VISION: "Together, we work to foster a culture of high trust that maximizes professional growth and inspires leadership at all levels."

Hi Region IV Reactor Folks,

Non-Responsive Record

Thanks for everything you do and have a great weekend, Tara

Non-Responsive Record

Non-Responsive Record		
Non-Responsive Record		
Non-Responsive Record		
Non-Responsive Record		
Thank you to the Palo Verde resident protected area that involved multiple issue!		ghts over the forts on this

Non-Responsive Record

SID # SID-02998			Created by	Thomas Kendzia on Sep 30, 2019 12:22:11 AM
General Information	Access Control	All Tabs		
Last Comment				
Leah Salisbury [1715], N	lov 25, 2019 11:11:4	15 AM, ILTAB		
Record Number SID-02998	EN # N/A		Incident Status Copen Closed Resolved Closed Unresolved	
General Information				
Incident / Communicati Sep 29, 2019 20:50:00 M				
Subject/Short Descripti DRONE FLYOVER	on			
Reporting Organization Power Reactor - Operatin	ng			
Site/Licensee Name Palo Verde	State AZ	Region 4	Timezone (GMT-7:00) Mountain Standard Tim	e [US/Arizona]
Report Category Drone				Clear Personally Identifiable Info
Non-Sensitive Attachm	ents		(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 SID # SID-02999 (Relea	ised All)			
External Links	99.2007.000.000.000			
External Reference Nun	nber			
Vehicle(s) Involved (Que	iry)			
Person(s) Involved (Que	rv)			

37.1 Report? 37.57 Report? 37.81 Report? Yes Prove 97.9 Yes Prove Prove <t< th=""><th>cident Information</th><th></th><th></th><th></th></t<>	cident Information			
Sep 29, 2019 23.47:00 CDT R) Caller Name R) Caller Name Acting Security Section Chief Palo Verde Security 623-393-1715 (R) Call Back Phone # Example Rodriguez (R) Calle Title Acting Security Section Chief Palo Verde Security 623-393-1715 623-393-1715 (C) COLHERO homas Kendzia ITAB Duty Officer (R) Detailed Description of Incident Hifter 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 while lights and are estimated to be 200 to 300 hundred feet bove the aite. The drones have flashing red and while approaching the site that they turned off when a or 2147 MST. Security Prostore was normal, which was changed to elevated when the drones were noticed. The because 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 set in diameter. Indified the R4DO (Gaddy) and ILTAB (b)(6) his report is open pending ILTAB/ILTAT review. ILTAB/ILTAT will update or close this report when appropriate. Refeated Description of Incident Hifter noticed at 205 MST and are sitil over the site of 2147 MST. Security Prosture was normal, which was changed to be 200 to 300 hundred feet bove the site. The drones have been observed at the site since 2230 MST. Officers believe drones were ever 2 set in diameter. Indified the R4DO (Gaddy) and ILTAB (b)(6) his report is open pending ILTAB/ILTAT review. ILTAB/ILTAT will update or close this report when appropriate. so of 237 EST, no drones have been observed at the site since 2230 MST. Officers believe drones were over 2 set of 147 MST. Security Posture was normal, which was changed to elevated when the drones w				
Diphine Rodriguez Acting Security Section Chief Palo Verde Security \$23-393-1715 COUNERCO Informase Kendzia Informase Kendzia Informase Kendzia ITAB Duty Officer By Detailed Description of Incident Micro Incident Security Over Controlled Area. The drones are circling the 3 unit site inside and outside the Protected Area. The drones have flashing red and while lights and are estimated to be 200 to 300 hundred freet biover the site. The security Overe Controlled Area. Drones were first noticed at 2050 MST and are still over the site is to 301 / 147 MST. Socurity Posture was normal, which was changed to elevated when the drones were noticed. The Janese notified one of the NRC resident inspectors. Not officer to be security Overe Controlled Area. Drones were first noticed at 2050 MST and are still over the site is a 01 / 147 MST. Socurity Posture was normal, which was changed to elevated when the drones were over 2 Janese notified one of the NRC resident inspectors. Not officers believe drones were over 2 Not fifted the R4DO (Gaddy) and ILTAB [b)(6) Init seport is open pending ILTAB/ILTAT review. ILTAB/ILTAT will update or close this report when appropriate. Redacted Description of Incident The wave flashing red and white lights and are estimated to be 200 to 300 hundred feet bore the site. The drones have flashing red and white lights and are estimated to be 200 to 300 hundred feet bore the site. The drones have flashing red and white lights and are estimated to be 200 to 300 hundred feet bore the site. The drones have flashing red and white lights and are estimated to be 200 to 300 hundr				
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	LTAT (Smith) left a voicen BI is actively coordinating 0/28/2019. Due to a lack	nail for the FBI's WMD Coordinator on 9/30/2 with the site, LLEA, and the FAA. ILTAT foll of identifying features on the drone and the a	lowed up with the WMD Coordin	ator on
		т		

R) Name	(R) OI	rganization	(R) Phone
Maricopa County Sheriff Office	LLEA		602-876-1011
R) Name	(R) Organizat	ion	(R) Phone
Albuquerque FAA Office	FAA		505-856-4500
R) Name	(R) Organization		(R) Phone
Phoenix FAA Office	FAA		602-306-2566
R) Name	FAA Office	(R) Organization	(R) Phone
Heather Martin, Washington DC I		FAA	202-267-3333
R) Name	(R) Organization		(R) Phone
Regional FBI Office	FBI		623-466-1999
R) Name	(R) Organization	(R) Pr	none
DHS Office	DHS	202-20	82-8101
RC's External Notifition Informa	ation		

SID # SID-02999		Created by Bethany Cecere on Oct 1, 2019 12:09:22 PM
General Information Act	cess Control All Tal)5
Last Comment		
Leah Salisbury [1715], Nov 2	5, 2019 11:11:19 AM, II	.TAB:
Record Number SID-02999	EN # N/A	Incident Status Open Closed Resolved Closed Unresolved
General Information		
Incident / Communication D Sep 30, 2019 20:51:00 MST(-		
Subject/Short Description DRONE FLYOVER		
Reporting Organization Power Reactor - Operating		
Site/Licensee Name Palo Verde	State Reg AZ 4	ion Timezone (GMT-7:00) Mountain Standard Time [US/Arizona]
Report Category Drone		Clear Personally Identifiable Info
Non-Sensitive Attachments		(R) Sensitive Attachments Sid2998 20191001 0011.WAV Sid2998 20191001 0100.WAV Sid2998 20191001 0352.WAV
Document Links SID # SID-02998 (Released /	All)	
External Links		
External Reference Number		
Vehicle(s) Involved (Query)		
Person(s) Involved (Query)		
Incident Information		

SID # SID-02999

73.71 Report? Yes r No	37.57 Report? CYes CNc)	37.81 Report?
Notification Date/Time/Timez Sep 30, 2019 23:13:00 CDT	one		
(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 In * * * This event was originally e database. * * *	cident ntered as an update to SID-02998,	but is administratively now a n	ew event in the
MST). As occurred last night, th	flying beginning at 2051 MST and he drones are flying in, through, and protected area. Also, as last night, have not been noted tonight.	around the owner controlled a	rea, the security
The licensee has not changed	their security posture. The licensee	continues to monitor the drone	s.
	ve been observed at the site since been observed at the since be n the ground or anyone controlling		ed the area and
The licensee notified FAA (both licensee notified the NRC Resid	n Phoenix and Albuquerque), FBI, D dent Inspector.	DHS, and the Maricopa Sheriffs	Office. The
Notified R4DO (Proulx) and ILT	- AB ^{(b)(6)}		
This report is open pending ILT	AB/ILTAT review. ILTAB/ILTAT will	l update or close this report wh	en appropriate.

Non Responsive Record

03/04/2020

	Redacted Description of Incident * * * This event was originally entered database. * * *	as an update to SID-02998, but is ad	ministratively now a new ev	ent in the			
	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 se	curity posture. The licensee continue	s to monitor the drones.				
	As of 0355 EDT, no drones have beer were unable to locate drones on the g			area and			
	The licensee notified FAA (both Phoen licensee notified the NRC Resident In		the Maricopa Sheriff's Office	e. The			
	Notified R4DO (Proulx) and ILTAB)(6)					
	This report is open pending ILTAB/ILT Updates / ILTAB Summary ILTAT (Smith) contacted the FBI's WM coordinating a response with the site, identifying features on the drone and t "unresolved." Last Updated Nov 25, 2019 11:10:00 CST	ID Coordinator on 10/1/2019, and was LLEA, and the FAA. ILTAT followed u	s informed that the FBI is ac up again on 10/28/2019. Du	tively le to a lack of			
L	Caller's Notification Information						
	(R) Name Maricopa County Sheriff Office	(R) C LLEA	Organization	(R) Phone 602-876-1011			
	(R) Name Albuquerque FAA Office	(R) Organiza FAA	ation	(R) Phone 505-856-4500			
	(R) Name Phoenix FAA Office	(R) Organization FAA		(R) Phone			
	Pridenix PAA Oliide			602-306-2566			
	(R) Name Heather Martin, Washington DC FAA	Office	(R) Organization FAA	602-306-2566 (R) Phone 202-267-3333			
	(R) Name	Office (R) Organization FBI	FAA	(R) Phone			

NRC's External Notifition Information

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

×.

4

From:	You, David
To:	Bywater, Russ; Peabody, Charley; Dixon, John; Lingam, Siva; Braisted, Jonathan
Cc:	You, David
Subject:	Palo Verde Plant Status: Wednesday October 2, 2019
Date:	Wednesday, October 02, 2019 10:08:35 AM

Common Unit

None

Palo Verde Unit 1 Mode/Power Level/Planned Power Changes: Mode 1 / 100% Risk: Green

TS Action Statements:

• 3.3.10, Condition A: 9/28 @0018, 'B' QSPDS failed due to loss of communication. Restart of the system did not solve the issue. I&C continues troubleshooting.

Events/Conditions of Interest/Major Activities:

None

Palo Verde Unit 2 Mode/Power Level/Planned Power Changes: Mode: 1 / 100% Risk: Green

TS Action Statements:

None

Events/Conditions of Interest/Major Activities:

- Receiving intermittent CPC/CEAC trouble alarm. I&C investigating
- Planned "C" reactor trip switchgear breaker changeout (18 month periodicity)

Palo Verde Unit 3 Mode/Power Level/Planned Power Changes: Mode: 1 / 98% Risk: Green

TS Action Statements:

None

Events/Conditions of Interest/Major Activities:

- The outage begins Friday night, 10/4-5.
- Control room received DAFAS B trip alarm last night. Currently both A and B DAFAS is tripped. FIN is troubleshooting.
- Possible plan to recirculate the RWT using the A HPSI pump. This will place the HPSI pump in an inoperable status (~2 days). Operators are staging FLEX equipment for risk mitigation.

Other

• No drone activity reported last night.

From:	Lingam, Siva
To:	Pascarelli, Robert
Subject:	FW: Palo Verde Plant Status: Tuesday October 1, 2019
Date:	Tuesday, October 01, 2019 10:49:00 AM
Attachments:	PVNGS security report.pdf

FYI (security-related for Drone flying near the plant).

From: You, David

Sent: Tuesday, October 01, 2019 10:22 AM

To: Bywater, Russ <Russell.Bywater@nrc.gov>; Peabody, Charley <Charles.Peabody@nrc.gov>; Dixon, John <John.Dixon@nrc.gov>; Lingam, Siva <Siva.Lingam@nrc.gov>; Braisted, Jonathan

<Jonathan.Braisted@nrc.gov>

Cc: You, David <David.You@nrc.gov>

Subject: Palo Verde Plant Status: Tuesday October 1, 2019

Common Unit

None

Palo Verde Unit 1 Mode/Power Level/Planned Power Changes: Mode 1 / 100% Risk: Green

TS Action Statements:

 3.3.10, Condition A: 9/28 @0018, 'B' QSPDS failed due to loss of communication. Restart of the system did not solve the issue. I&C continues troubleshooting.

Events/Conditions of Interest/Major Activities:

- EDG A surveillance run in progress. Will be completed this morning.
- "A" Control oil pump planned maintenance.

Palo Verde Unit 2

Mode/Power Level/Planned Power Changes: Mode: 1 / 100% Risk: Green

TS Action Statements:

None

Events/Conditions of Interest/Major Activities:

 Planned work on West Wing 2. As a precaution the control room has placed loads on the auxiliary transformer (SO1, 3, 5 buses).

Palo Verde Unit 3 Mode/Power Level/Planned Power Changes: Mode: 1 / 98% Risk: Green

TS Action Statements:

None

Events/Conditions of Interest/Major Activities:

- The outage begins Friday night, 10/4-5.
- Planned excore linear monthly calibration.

Other

More drone activity spotted last night.

Palo Verde Nuclear Generating Station

PVNGS Nuclear Security Security Incident Form

Page 1 of 1

Unauthorized unmanned aerial vehicles activity detected N-9-19-007 Person Reporting Incident Department Phone Ext. [9(6) Scurity Department [82-2006 Date of Incident Time of Incident PVAR # Location 9/30/19 8:51 PM [3-14124] DC/VSOCA/PA Date Reported to Security Time Reported to Security Medical Attention 9/30/19 8:51 PM [3-14124] DC/VSOCA/PA Date Reported to Security Time Reported to Security Medical Attention 9/30/19 8:51 PM [Yes X] No [Yes X] No Suspect(s) or other Personnel Involved File Protoction Notified NA [Yes X] No [Yes X] No MCSO Contacted Deputy Name(s) [Jinamanned Acrial Vehicles Yes No [Yes X] No [Yes X] No Preser Property/Ecurement Involved Serial Number Estimated Value Unmanned Acrial Vehicles N/A N/A Prosen Contacted Date Time Op 20010 at approximately 2051 hours, it was reported by a Security Team Leader that Unmanned Aerial Vehicles (LAVs) were approaching the plant. Four UNA were dispatched to the acount of dathn	Incident Type		oourr	ly mondemen	<u></u>	IR#	
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From:	Carneal, Jason			
То:	Akhavannik, Huda; Benney, Brian; Betts, Ikeda; Carneal, Jason; Issa, Alfred; King, Mark; Mitchell, Recasha; Nolan, Catherine; Pannier, Stephen; Ramadan, Liliana; Regner, Lisa; Sigmon, Rebecca; Thomas, Eric; Thompson, John; Winslow, Julia			
Subject: Date: Attachments:	John; Winslow, Julie Note: The attached one-pager concerns drones generally (and not at P Fw: Drones one-pager Verde) and is considered a non-responsive record. UAV Oct2019short.docx Verde)			

FYI – attached is the one-pager that NSIR produced for OPA on drones. It came up during the OpE brief today when we discussed the Palo Verde drone / South Texas robocall.

From: Felts, Russell Sent: Friday, December 27, 2019 10:03 AM To: Carneal, Jason <Jason.Carneal@nrc.gov> Subject: FW: Drones one-pager

From: Burnell, Scott
Sent: Monday, December 23, 2019 9:49 AM
To: Gavrilas, Mirela <<u>Mirela.Gavrilas@nrc.gov</u>>; Taylor, Robert <<u>Robert.Taylor@nrc.gov</u>>; Veil,
Andrea <<u>andrea.veil@nrc.gov</u>>; Felts, Russell <<u>Russell.Felts@nrc.gov</u>>; Erlanger, Craig
<<u>Craig.Erlanger@nrc.gov</u>>
Subject: Drones one-pager

Hello everyone;

Per Mirela's request, this is the current OPA guidance on drones. Thanks.

Scott

Non-Responsive Record

From:	Lombard, Mark
To:	Helton, Shana; Bowen, Jeremy; Bailey, Marissa; Atack, Sabrina; Thomas, Brian
Subject:	RE: Fwd: Re: PVGS - UAV overflights (an update)
Date:	Thursday, October 3, 2019 12:55:28 PM
Attachments:	image001.jpg

Also fyi. The HOOs verified no flyovers last night.

From: Lombard, Mark
Sent: Thursday, October 3, 2019 5:26 AM
To: Hoc, HOO X <HOO.Hoc@nrc.gov>
Subject: RE: Fwd: Re: PVGS - UAV overflights (an update)
Thanks Ossy. I appreciate it!

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

From: "Hoc, HOO X" <<u>HOO.Hoc@nrc.gov</u>> Date: Thu, October 03, 2019 5:16 AM -0400 To: "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>> Subject: RE: Fwd: Re: PVGS - UAV overflights (an update)

Caty was the one searching yesterday and may have additional info, but I found this info on the <u>FAA</u> website:

Security Sensitive Airspace Restrictions

Drones are prohibited from flying over designated national security sensitive facilities. Operations are prohibited from the ground up to 400 feet above ground level, and apply to all types and purposes of UAS flight operations. Examples of these locations are:

- Military bases designated as Department of Defense facilities
- National landmarks Statue of Liberty, Hoover Dam, Mt. Rushmore

Certain critical infrastructure, such as nuclear power plants

-Ossy

Headquarters Operations Officer

U.S. Nuclear Regulatory Commission

- m phone: 301-816-5100
- 🖶 fax: 301-816-5151
- hoo.hoc@nrc.gov

?

secure: hoo1@nrc.sgov.gov

From: Lombard, Mark

Sent: Thursday, October 03, 2019 4:58 AM

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

Subject: RE: Fwd: Re: PVGS - UAV overflights (an update)

Thanks. If you have that reference I need it this morning if possible. And is it AZ only or US wide?

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

From: "Hoc, HOO X" <HOO.Hoc@nrc.gov> Date: Thu, October 03, 2019 4:03 AM -0400 To: "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>> Subject: RE: Fwd: Re: PVGS - UAV overflights (an update)

We received your email but have not received anything from Palo Verde. By the way, one of the other HOOs found a reference stating that it is illegal to fly over a nuclear power plant. They will be in at noon and could follow up with what they found. 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 Color NRC seal

From: Lombard, Mark
Sent: Thursday, October 03, 2019 3:47 AM
To: Hoc, HOO X <<u>HOO.Hoc@nrc.gov</u>>
Subject: Re: Fwd: Re: PVGS - UAV overflights (an update)
Just checking to see if you all got my email.

------ Original Message ------From: "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>> Date: Wed, October 02, 2019 7:19 PM -0400 To: "Hoc, HOO X" <<u>HOO.Hoc@nrc.gov</u>> CC: "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>> Subject: Fwd: Re: PVGS - UAV overflights (an update)

Please let me know if we we get a follow up SID on this as soon as it comes in please. My ringer is way up in case it comes in late tonight.

Thank you,

Mark

------ Original Message ------From: "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>> Date: Wed, October 02, 2019 7:14 PM -0400 To: "Rivers, Joseph" <<u>Joseph.Rivers@nrc.gov</u>>, "Helton, Shana" <<u>Shana.Helton@nrc.gov</u>>, "Bailey, Marissa" <<u>Marissa.Bailey@nrc.gov</u>>, "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>> CC: "Thomas, Brian" <<u>Brian.Thomas@nrc.gov</u>>, "Bowen, Jeremy" <<u>Jeremy.Bowen@nrc.gov</u>>, "Rivera, Alison" <<u>Alison.Rivera@nrc.gov</u>>, "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>>, "Morris, Scott" <<u>Scott.Morris@nrc.gov</u>> 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" <<u>Joseph.Rivers@nrc.gov</u>> Date: Wed, October 02, 2019 6:55 PM -0400 To: "Helton, Shana" <<u>Shana.Helton@nrc.gov</u>>, "Bailey, Marissa" <<u>Marissa.Bailey@nrc.gov</u>>, "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>>, "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>>, "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>>, "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>>, "Rivera, Alison" <<u>Alison.Rivera@nrc.gov</u>>, "Stone, Rebecca" <<u>Rebecca.Stone@nrc.gov</u>>, "Miller, Geoffrey" <<u>Geoffrey.Miller@nrc.gov</u>>, 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 ay laws or regulations by flying over the plant. Joe

From: Helton, Shana <<u>Shana.Helton@nrc.gov</u>>

Sent: Wednesday, October 2, 2019 5:05 PM

To: Bailey, Marissa <<u>Marissa.Bailey@nrc.gov</u>>; Lombard, Mark <<u>Mark.Lombard@nrc.gov</u>>; Holian, Brian <<u>Brian.Holian@nrc.gov</u>>

Cc: Thomas, Brian <<u>Brian.Thomas@nrc.gov</u>>; Bowen, Jeremy <<u>Jeremy.Bowen@nrc.gov</u>>; Rivers, Joseph <<u>Joseph.Rivers@nrc.gov</u>>; Rivera, Alison <<u>Alison.Rivera@nrc.gov</u>>; Stone, Rebecca

<<u>Rebecca.Stone@nrc.gov</u>>; Miller, Geoffrey <<u>Geoffrey.Miller@nrc.gov</u>>

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 <<u>Shana.Helton@nrc.gov</u>>; Bowen, Jeremy <<u>Jeremy.Bowen@nrc.gov</u>>

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

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 <<u>Scott.Morris@nrc.gov</u>>; Lantz, Ryan <<u>Ryan.Lantz@nrc.gov</u>>; Miller, Geoffrey <<u>Geoffrey.Miller@nrc.gov</u>>; Vegel, Anton <<u>Anton.Vegel@nrc.gov</u>>; Inverso, Tara <<u>Tara.Inverso@nrc.gov</u>>

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

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)		

------ Original Message ------From: "Hoc, HOO X" <<u>HOO.Hoc@nrc.gov</u>> Date: Thu, October 03, 2019 4:03 AM -0400 To: "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>> Subject: RE: Fwd: Re: PVGS - UAV overflights (an update)

We received your email but have not received anything from Palo Verde.

By the way, one of the other HOOs found a reference stating that it is illegal to fly over a nuclear power plant. They will be in at noon and could follow up with what they found.

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: Lombard, Mark
Sent: Thursday, October 03, 2019 3:47 AM
To: Hoc, HOO X <<u>HOO.Hoc@nrc.gov</u>>
Subject: Re: Fwd: Re: PVGS - UAV overflights (an update)
Just checking to see if you all got my email.

------ Original Message ------From: "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>> Date: Wed, October 02, 2019 7:19 PM -0400 To: "Hoc, HOO X" <<u>HOO.Hoc@nrc.gov</u>> CC: "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>> Subject: Fwd: Re: PVGS - UAV overflights (an update)

Please let me know if we we get a follow up SID on this as soon as it comes in please. My ringer is way up in case it comes in late tonight.

Thank you,

Mark

------ Original Message ------From: "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>> Date: Wed, October 02, 2019 7:14 PM -0400 To: "Rivers, Joseph" <<u>Joseph.Rivers@nrc.gov</u>>, "Helton, Shana" <<u>Shana.Helton@nrc.gov</u>>, "Bailey, Marissa" <<u>Marissa.Bailey@nrc.gov</u>>, "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>> CC: "Thomas, Brian" <<u>Brian.Thomas@nrc.gov</u>>, "Bowen, Jeremy" <<u>Jeremy.Bowen@nrc.gov</u>>, "Rivera, Alison" <<u>Alison.Rivera@nrc.gov</u>>, "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>>, "Morris, Scott" <<u>Scott.Morris@nrc.gov</u>> 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" <<u>Joseph.Rivers@nrc.gov</u>> Date: Wed, October 02, 2019 6:55 PM -0400 To: "Helton, Shana" <<u>Shana.Helton@nrc.gov</u>>, "Bailey, Marissa" <<u>Marissa.Bailey@nrc.gov</u>>, "Lombard, Mark" <<u>Mark.Lombard@nrc.gov</u>>, "Holian, Brian" <<u>Brian.Holian@nrc.gov</u>> CC: "Thomas, Brian" <<u>Brian.Thomas@nrc.gov</u>>, "Bowen, Jeremy" <<u>Jeremy.Bowen@nrc.gov</u>>, "Rivera, Alison" <<u>Alison.Rivera@nrc.gov</u>>, "Stone, Rebecca" <<u>Rebecca.Stone@nrc.gov</u>>, "Miller, Geoffrey" <<u>Geoffrey.Miller@nrc.gov</u>> 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 ay laws or regulations by flying over the plant. Joe

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Sent: Wednesday, October 2, 2019 5:05 PM

To: Bailey, Marissa <Marissa.Bailey@nrc.gov>; Lombard, Mark <Mark.Lombard@nrc.gov>; Holian, Brian <<u>Brian.Holian@nrc.gov</u>>

Cc: Thomas, Brian <<u>Brian.Thomas@nrc.gov</u>>; Bowen, Jeremy <<u>Jeremy.Bowen@nrc.gov</u>>; Rivers, Joseph <<u>Joseph.Rivers@nrc.gov</u>>; Rivera, Alison <<u>Alison.Rivera@nrc.gov</u>>; Stone, Rebecca

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Intelligence Specialist Response Coordination Branch, Region IV U.S. Nuclear Regulatory Commission Tel: (b)(6)

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