

RE: Mystery Drone Sightings Continue in Colorado, Into Nebraska | Nebraska News | US News

From: "Sylvia, Richard (FAA)" <richard.sylvia@faa.gov>
To: "Manno, Claudio (FAA)" <claudio.manno@faa.gov>, "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>, "Bates, Scotty (FAA)" <scotty.bates@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>, "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Cc: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>
Date: Sun, 29 Dec 2019 14:11:55 -0500

Adding Michael Bumberger who is acting manager.

From: Sylvia, Richard (FAA)
Sent: Sunday, December 29, 2019 14:02
To: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>; Bates, Scotty (FAA) <Scotty.Bates@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Subject: RE: Mystery Drone Sightings Continue in Colorado, Into Nebraska | Nebraska News | US News

All,

I have no information on this issue and have not seen any reports. I've looped in Ed Stewart, LEAP West Manager, as this is within his AOR.

Richard Sylvia, Special Agent
Federal Aviation Administration
National Security Programs and Incident Response
South Flo AXE-810
Mobile: (b) (6)

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ASH, please see below and check with field LEAP agents.

Erik,
I know Jay is out of pocket. Please see below.

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Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

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I've seen several of these reports. Do we have any information about these purported sightings? The rumors seem to be spreading rapidly.

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Thanks/SD

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From: "Burns, Craig (FAA)" <craig.burns@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Sun, 29 Dec 2019 14:50:20 -0500

Guess they didn't see the updated chart.

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program
602-721-6091

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Cc: "Feddersen, Brett (FAA)" <Brett.Feddersen@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <Pamela.Whitaker-Gray@faa.gov>, "Bates, Scotty (FAA)" <Scotty.Bates@faa.gov>, "Stewart, Ed (FAA)" <Ed.Stewart@faa.gov>, "Holtzman, Joshua (FAA)" <Joshua.Holtzman@faa.gov>
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Date: Sun, 29 Dec 2019 16:07:52 -0500

Forwarding to you since you're acting for Ed and cover CO

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Incident Assistance Program

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From: "Feddersen, Brett (FAA)" <Brett.Feddersen@faa.gov>
Date: December 29, 2019 at 13:46:48 MST
To: "Burns, Craig (FAA)" <Craig.Burns@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <Pamela.Whitaker-Gray@faa.gov>, "Bates, Scotty (FAA)" <Scotty.Bates@faa.gov>, "Stewart, Ed (FAA)" <Ed.Stewart@faa.gov>, "Sylvia, Richard (FAA)" <richard.sylvia@faa.gov>
Cc: "Turner, Guy (FAA)" <Guy.Turner@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Roberson, Jennifer (FAA)" <jennifer.roberson@faa.gov>, "Soltys, Elizabeth (FAA)" <elizabeth.soltys@faa.gov>, "Gibbs, Meredith (FAA)" <Meredith.Gibbs@faa.gov>, "Clark, Joey CTR (FAA)" <Joey.CTR.Clark@faa.gov>, "McDonald, Mark CTR (FAA)" <Mark.CTR.McDonald@faa.gov>
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Craig -

Can you please coordinate with the team first thing tomorrow and pull together summary of the incidents, the LE state of play, what the next steps in this would be? The summary should be at the executive level (5Ws), no longer than 2 pages (1 page preferred) and address the Administrator and Claudio's questions below. Please included who we coordinated with (LEO,LEA).

Please pass the final draft summary to Guy and Leesa for clearance NLT 1530 EST 30DEC2019. Thanks

Best, Brett

1. Do we have any information about these purported sightings?

2. Can we check with local law enforcement authorities to ask what information they may have beyond what is in the press?

3. Does this potentially link to incidents other than in Colorado and

Nebraska

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Claudio -

We will dig down on it and get you a response.

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Angela

Angela H. Stubblefield
Chief of Staff
FAA
Work: 2
Mobile: (b) (6)

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Date: Sun, 29 Dec 2019 17:07:18 -0500

On Thursday I looked into a similar report made in the Denver Post on Monday (12/23). <https://www.denverpost.com/2019/12/23/drones-mystery-colorado/>

The US News report (12/28) appears to be circular reporting. No operators have been identified and the areas in Colorado the reports are from appear to be in uncontrolled airspace. I am not discounting the reporting. However, in my opinion the Denver Post story has several questionable statements in their article, such as "a single drone hovered about 25 miles away over the town of Paoli — it didn't move all night, just hovered over the town", and "One resident who spotted a drone last week gave chase, driving behind it at about 50 mph, but lost the drone when he ran out of gas in Washington County".

Law enforcement has advised no state laws have been broken.

I will call Sheriff (b) and Undersheriff (b) again tomorrow to see if they have any further reports or information to share.

R,
Bam

Michael Bumberger

Special Agent
Federal Aviation Administration
National Security Programs and Incident Response
Law Enforcement Assistance Program (LEAP), AXE-830
Cell: (b) (6)
Fax: (b) (6)

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Date: Sun, 29 Dec 2019 17:10:29 -0500

Thanks Bam. Appreciate the comprehensive reporting.
Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Administration
Cell: (b) (6)
Cell: (b) (6)
Office 80
Sent from my iPad

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To: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>; Bates, Scotty (FAA) <Scotty.Bates@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>

Cc: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>

Subject: RE: Mystery Drone Sightings Continue in Colorado, Into Nebraska | Nebraska News | US News

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Richard Sylvia, Special Agent

Federal Aviation Administration

National Security Programs and Incident Response

South Florida LEAP, AXE-810

Mobile: (b) (6)

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Sent from my iPhone

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I know Jay is out of pocket. Please see below.

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Angela H. Stubblefield
Chief of Staff
FAA
Work: 2
Mobile: (b) (6)

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Date: Sun, 29 Dec 2019 17:12:17 -0500

Excellent, Bam! Thanks! Will hold off on providing info to Administrator until we here back from you tomorrow.
R/
Angela

Angela H. Stubblefield
Chief of Staff
FAA
Work: 2
Mobile: (b) (6)

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Michael Bumberger

Special Agent
Federal Aviation Administration
National Security Programs and Incident Response
Law Enforcement Assistance Program (LEAP), AXE-830
Cell: (b) (6)
Fax: (310) 725-6660

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Chief of Staff
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Date: Sun, 29 Dec 2019 17:17:04 -0500

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Best, Brett

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Fax: (310) 725-6660

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Wilco....

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Sent: Sunday, December 29, 2019 2:17 PM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Cc: Burns, Craig (FAA) <Craig.Burns@faa.gov>; Turner, Guy (FAA) <Guy.Turner@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
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Cell: (b) (6)
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Date: Sun, 29 Dec 2019 17:21:58 -0500

Thanks Bam!

Pamela Whitaker-Gray
Office of National Security Programs
and Incident Response
Manager, Law Enforcement
Assistance Program Division, AXE-800
781-238-7703 (office)
(b) (6) (cell)
781-238-7716 (fax)

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Sent: Sunday, December 29, 2019 5:12 PM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Cc: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>; Bates, Scotty (FAA) <Scotty.Bates@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Sylvia, Richard (FAA) <richard.sylvia@faa.gov>; Burns, Craig (FAA) <Craig.Burns@faa.gov>
Subject: Re: Mystery Drone Sightings Continue in Colorado, Into Nebraska | Nebraska News | US News

Excellent, Bam! Thanks! Will hold off on providing info to Administrator until we here back from you tomorrow.
R/
Angela

Angela H. Stubblefield
Chief of Staff
FAA
Work: 2
Mobile: (b) (6)

Sent from my iPhone

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Bam

Michael Bumberger

Special Agent
Federal Aviation Administration
National Security Programs and Incident Response
Law Enforcement Assistance Program (LEAP), AXE-830
Cell: (b) (6)
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Date: Sun, 29 Dec 2019 17:35:32 -0500

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Special Agent
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Fax: (310) 725-6660

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Mobile: (b) (6)

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Date: Mon, 30 Dec 2019 11:01:13 -0500

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(b) (5)

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From: Sylvia, Richard (FAA)

Sent: Sunday, December 29, 2019 14:02

To: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>; Bates, Scotty (FAA) <Scotty.Bates@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>

Cc: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>

Subject: RE: Mystery Drone Sightings Continue in Colorado, Into Nebraska | Nebraska News | US News

All,

I have no information on this issue and have not seen any reports. I've looped in Ed Stewart, LEAP West Manager, as this is within his AOR.

Richard Sylvia, Special Agent
Federal Aviation Administration
National Security Programs and Incident Response
South Florida I.F.A.P. AXE-810
Mobile: (b) (6)

WARNING: This record may contain Sensitive Security Information that is controlled under 49 CFR Parts 15 and 1520. No part of this record may be disclosed to persons without a "need to know", as defined in 49 CFR Parts 15 and 1520, except with the written permission of the Administrator of the Federal Aviation Administration or the Secretary of Transportation. Unauthorized release may result in civil penalty or other action. For U.S. Government agencies, public disclosure is governed by 5 U.S.C. 552 and 49 CFR Parts 15 and 1520.

From: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>

Sent: Sunday, December 29, 2019 13:37

To: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>; Bates, Scotty (FAA) <Scotty.Bates@faa.gov>; Sylvia, Richard (FAA) <richard.sylvia@faa.gov>

Cc: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>

Subject: Re: Mystery Drone Sightings Continue in Colorado, Into Nebraska | Nebraska News | US News

Adding Rich - who is acting for Scotty. claudio

Sent from my iPhone

On Dec 29, 2019, at 1:34 PM, Manno, Claudio (FAA) <Claudio.Manno@faa.gov> wrote:

Good afternoon. Pls see the Administrator's question below. Can we check with local law enforcement authorities to ask what information they may have beyond what is in the press?

Also - does this potentially link to incidents other than in Colorado and Nebraska? Pls advise. Thank you. claudio

Sent from my iPhone

Begin forwarded message:

From: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>

Date: December 29, 2019 at 12:48:20 PM EST

To: (b) (6) @faa.gov, "Manno, Claudio (FAA)" <Claudio.Manno@faa.gov>, "Holtzman, Joshua (FAA)" <Joshua.Holtzman@faa.gov>, "Mend, Erik (FAA)" <v>

Cc: "Merkle, Jay (FAA)" <Jay.Merkle@faa.gov>, (b) (6) @faa.gov, "Burlison, Carl (FAA)" <carl.burlison@faa.gov>

Subject: Re: Mystery Drone Sightings Continue in Colorado, Into Nebraska | Nebraska News | US News

Adding Claudio and Josh from ASH and Erik from Jay's shop.

ASH, please see below and check with field LEAP agents.

Erik,
I know Jay is out of pocket. Please see below.

R/
Angela

Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576

Mobile: (b) (6)

Sent from my iPhone

On Dec 29, 2019, at 11:41 AM, (b) (6) <[REDACTED]@faa.gov> wrote:

I've seen several of these reports. Do we have any information about these purported sightings? The rumors seem to be spreading rapidly.

<https://www.usnews.com/news/best-states/nebraska/articles/2019-12-28/mystery-drone-sightings-continue-in-colorado-into-nebraska>

Thanks/SD

FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Tue, 31 Dec 2019 07:39:53 -0500

Bam,

I just wanted you to be aware ... thanks

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Monday, December 30, 2019 9:37 PM
To: Newman, Philip (FAA) <Philip.Newman@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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1. **Local LE Engagement:** ASH Law Enforcement Assistance Program (LEAP) agent has spoken with Sheriffs from Washington, Lincoln, and Yuma Counties to gather additional information and provide assistance. From this interaction, we have learned that reports have been received from both law enforcement and local citizens with Washington County Sheriff, (b) (6), and his Deputy providing first-hand accounts. Each agency contacted advised at least one deputy has witnessed the activity. The activity reported occurs primarily between the hours of 1800 and 2200 MST and demonstrate the pattern of multiple "drones" flying a grid type pattern and remaining airborne for several hours at a time in less than optimum flying conditions (high winds and storm-like conditions). The number of drones reported operating at one range from between 2 and 16 and appear to be approximately 6 feet width and length. Flight time has been 2 to 3 hours continuous. All reports indicate flight is between 200 and 300 feet. However several people interviewed stated it was hard to determine height due to the darkness and lack of clouds. Other sightings lights were also reported to be either flashing or steady white, red, or green. One report mentioned flashing blue lights. They have not been described as operating in a manner that place persons on the ground in danger. Reports are extending in a southerly direction with activity continuing in the original two counties. Lincoln County is the latest county to report activity.

—Since the reports are now in the national news, the sheriffs and other law enforcement have been inundated with calls. Law Enforcement has been consistent in stating that no Colorado criminal codes have been violated, and there is no confirmation that these observables are UAS.

—The Sheriffs are having a Conference next week in Lynnwood, CO. They have asked the LEAP agent to attend the Conference and work with the Local Law Enforcement on training and education.

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1) A new pipeline has been proposed in the Julesburg Basin, an area northeast Colorado on the Colorado/Nebraska border and the counties where the sightings have taken place are adjacent to that basin; and

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—The Lincoln FSDO has received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. The caller reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29 approximately from 1900-2230 MST. He was unable to get a photo or video. The caller does have an aviation background; he is a private pilot.

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2. **DoD Engagement:** NORTHCOM/NORAD has been contacted and does not have any information, other than they are aware of the reports.

3. **ATO Checks:** ATO System Operations indicated they have not given any authorizations matching this area. The Western Service Center reported they have no “swarm” COAs for that area and are not aware of any special DoD missions of this nature. There are no Part 107’s approvals for this type of operation.

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I will report same up to AOA/ADA. As you close out on the remaining tasks highlighted in bold, italicized, and underlined text, I would ask folks to use this chain to report any additional follow-up to maintain group SA.

Thanks for the great work and coordination!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Tue, 31 Dec 2019 13:46:59 -0500

Bam – I want to keep you in the loop.

From: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>
Sent: Tuesday, December 31, 2019 1:43 PM
To: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>; Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

(b) (5)

We'll see. In the meantime we'll ask Bam to pose the question on whether local law enforcement is able to use air assets to try to track their landing location. claudio

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Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

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Sent from my iPad

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FAA

(b) (6) office
cell

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They may elevate this to a call from the Senator to the Administrator given the level of concern in the area. They are also just concerned that it's taking this long to identify such a large number of drones.

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FAA

(b) (6) 6 office
cell

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To: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 13:50:59 -0500

Thank you... I have been on the phone all morning. Writing up an update and will have that to you very soon.

FYSA, I have to be in Pasadena in a couple of hours for a brief and to get ready for tomorrows activities. I will be out of pocket but available by cell phone, (b) (6).

Also, my trip for next week is going through the approval cycle, but there is not an AXE800 approver working. Is this something your, Guy, or Josh can approve so it can get ticketed.

Thank you,
Bam

From: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Sent: Tuesday, December 31, 2019 10:47 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
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Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

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From: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Tue, 31 Dec 2019 13:55:02 -0500

Thank you. Let me see what I can do about getting you ticketed.

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Date: Tue, 31 Dec 2019 14:03:45 -0500

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Colorado Drone Update

From: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
To: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Cc: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Turner, Guy (FAA)" <guy.turner@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>
Date: Tue, 31 Dec 2019 14:05:38 -0500
Attachments: Colorado Drone Update Details2.docx (23.89 kB)

All,

I have to take off for Pasadena for a series of briefings. If there are any questions or clarification needed I will be available on cell phone (b) (6).

R,
Bam

12/31/2019 Updated 1000am PST

Drone activity remains consistent with previous nights in Washington, Lincoln, Phillips, and Yuma counties. With citizens reporting the drones to be rotary and not fixed winged.

Two new counties in Colorado and one in Nebraska reporting activity, locations are west and south of the initial reporting. Morgan (CO, west), Kit Carson (CO, south), and Chase (NE, east) Counties. Drone activity has been, multiple up to a dozen drones operating for extended lengths of time. Reports from Colorado indicate drone were NOT flying as a group or pack, but as a "single unit". Chase County Nebraska sheriff deputy reported observing 30 to 50 flying independently of each other with a larger "mothership" hovering for hours. The deputy stated it the larger drone appeared to be way over 55 pounds. All at one time the smaller drones returned to the larger drone and departed the area to the west. They also flew over the local airport and a citizen report stated they observed the larger drone land and take off from that airport. A deputy was dispatched to the airport but was unable to arrive in time to witness.

Coordinated with the Colorado Information Analysis Center (CIAC). A multiagency federal, state, and local operation has been tentatively scheduled starting Monday in an attempt to identify the operator(s) location. Potential agencies participating are DHS, FBI, FAA, Colorado State Patrol, Colorado Bureau of Investigation, and the local sheriff offices. At this time there has been no mention of deploying detection or mitigation equipment.

Several Sheriffs have voice their concerns of citizens taking matters into their own hands. There have been a few mention the formation of local posse to "hunt" the drones. Numerous remarks have been made by locals indicating their desire to shoot the drones out of the sky.

Activity remain between 1800 and 2200 MST. Although a few sheriffs have been receiving calls after midnight.

AXE830 is collaborating with Denver FSDO and continues the share information.

RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Simmons, Chaumre (FAA)" <chaumre.simmons@faa.gov>
To: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Loboda, Elena (FAA)" <elena.loboda@faa.gov>
Cc: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Tue, 31 Dec 2019 14:08:58 -0500

Elena

Will you please final approve Michael Bumberger's Jan 5, 2020 trip to Colorado in E2?

Chaumré Simmons
Management & Program Analyst
Financial Management Staff, AXM-100
Office: 202-267-3414
Mobile: (b) (6)
[Give Us Your Feedback - AXM](#)

From: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Sent: Tuesday, December 31, 2019 2:04 PM
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Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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FYSA, I have to be in Pasadena in a couple of hours for a brief and to get ready for tomorrows activities. I will be out of pocket but available by cell phone (b) (6).

Also, my trip for next week is going through the approval cycle, but there is not an AXE800 approver working. Is this something your, Guy, or Josh can approve so it can get ticketed.

Thank you,
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Sent: Tuesday, December 31, 2019 10:47 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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Sent: Tuesday, December 31, 2019 1:43 PM
To: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>; Newman, Philip (FAA) <Philip.Newman@faa.gov>
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(b) (5)

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Sent from my iPad

Angela Stubblefield
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Sent from my iPad

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(b) (6) cell

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To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Cc: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 14:18:37 -0500

Bam, I am sharing all of the emails flying around the building for your SA. Has there been any discussion about LE using a helo to try and VID the alleged drones? If not, is that a recommendation you can make? Guessing the sheriff's don't have an air asset but hopping one of the State agencies does.

I have reached out to the FBI and have a telcon on Thursday with FBI HQ – they are interested. Would you be free, once I get a time and conference bridge, to participate? Thanks,

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
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To: "Simmons, Chaumre (FAA)" <chaumre.simmons@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Cc: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Tue, 31 Dec 2019 14:31:49 -0500

It is approved
Elena

From: Simmons, Chaumre (FAA) <chaumre.simmons@faa.gov>
Sent: Tuesday, December 31, 2019 2:09 PM
To: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Loboda, Elena (FAA) <elena.loboda@faa.gov>
Cc: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
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Elena

Will you please final approve Michael Bumberger's Jan 5, 2020 trip to Colorado in E2?

Chaumré Simmons
Management & Program Analyst
Financial Management Staff, AXM-100
Office: 202-267-3414
Mobile: (b) (6)
[Give Us Your Feedback - AXM](#)

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Leesa

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Update: We confirmed the University of Colorado had no flights in the subject area.

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Sheriffs from Washington, Lincoln, and Yuma Counties to gather additional information and provide assistance. From this interaction, we have learned that reports have been received from both law enforcement and local citizens with Washington County Sheriff, (b) (6), and his Deputy providing first-hand accounts. Each agency contacted advised at least one deputy has witnessed the activity. The activity reported occurs primarily between the hours of 1800 and 2200 MST and demonstrate the pattern of multiple “drones” flying a grid type pattern and remaining airborne for several hours at a time in less than optimum flying conditions (high winds and storm-like conditions). The number of drones reported operating at one range from between 2 and 16 and appear to be approximately 6 feet width and length. Flight time has been 2 to 3 hours continuous. All reports indicate flight is between 200 and 300 feet. However several people interviewed stated it was hard to determine height due to the darkness and lack of clouds. Other sightings lights were also reported to be either flashing or steady white, red, or green. One report mentioned flashing blue lights. They have not been described as operating in a manner that place persons on the ground in danger. Reports are extending in a southerly direction with activity continuing in the original two counties. Lincoln County is the latest county to report activity.

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I will report same up to AOA/ADA. As you close out on the remaining tasks highlighted in bold, italicized, and underlined text, I would ask folks to use this chain to report any additional follow-up to maintain group SA.

Thanks for the great work and coordination!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
To: "Loboda, Elena (FAA)" <elena.loboda@faa.gov>, "Simmons, Chaumre (FAA)" <chaumre.simmons@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 14:37:27 -0500

Thank you

From: Loboda, Elena (FAA) <elena.loboda@faa.gov>
Sent: Tuesday, December 31, 2019 11:32 AM
To: Simmons, Chaumre (FAA) <chaumre.simmons@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Cc: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

It is approved
Elena

From: Simmons, Chaumre (FAA) <chaumre.simmons@faa.gov>
Sent: Tuesday, December 31, 2019 2:09 PM
To: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Loboda, Elena (FAA) <elena.loboda@faa.gov>
Cc: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Elena

Will you please final approve Michael Bumberger's Jan 5, 2020 trip to Colorado in E2?

Chaumré Simmons
Management & Program Analyst
Financial Management Staff, AXM-100
Office: 202-267-3414
Mobile: (b) (6)
[Give Us Your Feedback - AXM](#)

From: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Sent: Tuesday, December 31, 2019 2:04 PM
To: Simmons, Chaumre (FAA) <chaumre.simmons@faa.gov>
Cc: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Chaumre,

Thank you for offering to help Bam with his travel ...

Leesa

From: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Sent: Tuesday, December 31, 2019 1:51 PM
To: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thank you... I have been on the phone all morning. Writing up an update and will have that to you very soon.

FYSA, I have to be in Pasadena in a couple of hours for a brief and to get ready for tomorrows activities. I will be out of pocket but available by cell phone, (b) (6).

Also, my trip for next week is going through the approval cycle, but there is not an AXE800 approver working. Is this something your, Guy, or Josh can approve so it can get ticketed.

Thank you,
Bam

From: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Sent: Tuesday, December 31, 2019 10:47 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Bam – I want to keep you in the loop.

From: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>
Sent: Tuesday, December 31, 2019 1:43 PM
To: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>; Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

(b) (5)

We'll see. In the meantime we'll ask Bam to pose the question on whether local law enforcement is able to use air assets to try to track their landing location. claudio

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Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

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Sent from my iPad

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Chief of Staff
FAA

(b) (6) 6 office
cell

RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>
Cc: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 14:38:51 -0500

There has been no discussion. I will forward the idea.

R,
Bam

From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Tuesday, December 31, 2019 11:19 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Cc: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Subject: FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Bam, I am sharing all of the emails flying around the building for your SA. Has there been any discussion about LE using a helo to try and VID the alleged drones? If not, is that a recommendation you can make? Guessing the sheriff's don't have an air asset but hopping one of the State agencies does.

I have reached out to the FBI and have a telcon on Thursday with FBI HQ – they are interested. Would you be free, once I get a time and conference bridge, to participate? Thanks,

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
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2. **DoD Engagement:** NORTHCOM/NORAD has been contacted and does not have any information, other than they are aware of the reports.

3. **ATO Checks:** ATO System Operations indicated they have not given any authorizations matching this area. The Western Service Center reported they have no “swarm” COAs for that area and are not aware of any special DoD missions of this nature. There are no Part 107’s approvals for this type of operation.

—ATO is ***checking with the University of Colorado (CU)*** (test site activity), but it appears they are out for the Holidays. ***ATO is sifting through the Part 91 blanket COAs*** and should have that finished soon. CU has some blanket COAs in that area, but until they finish searching the Part 91 COAs, they cannot be sure if anything operations like this are included.

I will report same up to AOA/ADA. As you close out on the remaining tasks highlighted in bold, italicized, and underlined text, I would ask folks to use this chain to report any additional follow-up to maintain group SA.

Thanks for the great work and coordination!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell



Chase County Sheriff's Office

921 Broadway
Imperial, NE 69033

December 31, 2019

Call for Service

Created: 2019-12-30 06:45 PM MST

Updated: 2019-12-30 09:26 PM MST

Case Numbers: 2019-0002999 (Suspicious Activity)

Call Type: Suspicious Activity

Reported By/From: (b) (6), (b) (7)(C)

Call Status: Unassigned

Priority: Medium

Notes: (b) (6), (b) (7)(C) - 2019-12-30 06:45 PM MST

a pair of drones were following us. when we stopped they stopped now they are just hovering here. both appear to be white. one had a spot light and has flown off the other is still here. about 200' off the ground.

(b) (6), (b) (7)(C) - 2019-12-30 06:45 PM MST
advised 9724

(b) (6), (b) (7)(C) - 2019-12-30 06:47 PM MST

RP is on private property near the intersection of road 727 in a red and white pickup

(b) (6), (b) (7)(C) - 2019-12-30 06:59 PM MST

9724 10-78 i have a cluster of these drones over WAU

(b) (6), (b) (7)(C) - 2019-12-30 07:09 PM MST

called rp they had went home with no incident. 9724 10-78 dozen or so of these drones in the area

(b) (6), (b) (7)(C) - 2019-12-30 07:11 PM MST

9724 - 10-78 i will be heading to old 6 for better vantage point

(b) (6), (b) (7)(C) - 2019-12-30 07:30 PM MST

Licking called drones are reported over the Parks area too

(b) (6), (b) (7)(C) - 2019-12-30 07:31 PM MST

9724 is 10-8

(b) (6), (b) (7)(C) - 2019-12-30 07:31 PM MST
10-98 10-8

(b) (6), (b) (7)(C) - 2019-12-30 08:01 PM MST
a resident in WAU stated saw a drone flying away from her house to the East she was afraid to change her clothes

(b) (6), (b) (7)(C) - 2019-12-30 08:03 PM MST
Male RP states seeing a handful of drones near the Dundy/Chase County line on HWY 61. Far enough UP he was not confident he could shoot it with a rifle.

(b) (6), (b) (7)(C) - 2019-12-30 08:13 PM MST
Tim 318 @ 743 rd 3 drones overhead

(b) (6), (b) (7)(C) - 2019-12-30 09:22 PM MST
9723 print and hold CO LUP484 Denver Wholesale Florist 4800 n dahlia st denver co

Location:

Nebraska
United States of America

Beats/Districts: Chase County Sheriff's Office (Chase County Sheriff's Office)

Assignment History:
2019-12-30 06:45 PM MST - 9724 Dispatched
2019-12-30 06:54 PM MST - 9724 Enroute
2019-12-30 07:05 PM MST - 9724 On Scene
2019-12-30 07:16 PM MST - 9724 In Service
2019-12-30 07:16 PM MST - 9724 Removed

Related Entities

Other Entities

Address: NE *Location of*
United States of America
40.3645957, -101.3802394

Phone Number: (b) (6), (b) (7) *Used to report*

Country: United States of America

FW: UAS Sightings

From: "Alexander, Montana (FAA)" <montana.alexander@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Tue, 31 Dec 2019 14:41:35 -0500
Attachments: CIAC 19-25314 FOUO_RFI_Unidentified UAS Sightings.pdf (298.18 kB); RFI_232169_Case_File.pdf (375.46 kB)

FYI
Bam, received this.

From: (b) (6) @alaska.gov>
Sent: Tuesday, December 31, 2019 10:26 AM
To: Alexander, Montana (FAA) <montana.alexander@faa.gov>
Cc: (b) (6) @HQ.DHS.GOV>
Subject: UAS Sightings

Good Morning,
The Colorado Information Analysis Center (CIAC) is requesting any information on instances of unidentified Unmanned Aerial Systems or drones operating at night, in formation, and/or displaying suspicious activity. Please see the attached bulletin for further information.

If you have any information please let me know and I can pass on the information to the CIAC. Happy New Year.

Thanks.

(b) (6)

(b) (6), Criminal Intelligence Analyst III

Alaska Criminal Intelligence Center

Alaska State Troopers

5700 East Tudor Road

Anchorage, AK 99507

(907) 375-6483 Desk

(b) (6) Cell

(855) 692-5425 AKCIC

(b) (6) alaska.gov

(b) (6) e@dhs.sgov.gov

Classification: UNCLASSIFIED//LES

=====
(U//LES) LAW ENFORCEMENT SENSITIVE: The information marked (U//LES) in this document is the property of the ALASKA STATE TROOPERS – AKIAC and may be distributed within the US Federal Government, State of Alaska Government, law enforcement, public safety entities, protection officials, and individuals with a need to know. Distribution beyond these entities without ALASKA STATE TROOPERS-AKIAC authorization is prohibited. Precautions should be taken to ensure this information is stored and/or destroyed in a manner that precludes unauthorized access. Information bearing the (U//LES) caveat may not be used in legal proceedings without first receiving authorization from the originating agency. Recipients are prohibited from subsequently posting documents marked (U//LES) on a website or an unclassified network.
=====

Classification: UNCLASSIFIED//LES

**CIAC**
**Colorado Information
Analysis Center**

Department of Public Safety

**31 December 2019
CIAC Report #: 19-25314**

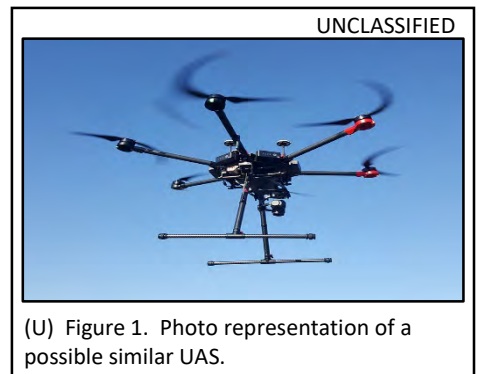
Request For Information (RFI)

Unidentified UAS (Drone) Sightings

Requesting Agency:	Colorado Information Analysis Center
Requesting Individual:	Intelligence Analyst (b) (6)
Phone Number:	720-576-8757
E-Mail:	(b) (6) @state.co.us

(U//FOUO) The Colorado Information Analysis Center is requesting any information on instances of unidentified Unmanned Aerial Systems (UAS), or commonly known as a “drone,” operating at night, in formation, and/or displaying suspicious activity.

(U//FOUO) During the evening hours of 16 December 2019, a citizen in Holyoke, Colorado, observed an UAS hovering outside of their residence. The UAS appeared in very close proximity to the home, seemingly viewing the inside of the residence by way of a presumed camera onboard the UAS.



(U) Figure 1. Photo representation of a possible similar UAS.

(U//FOUO) Subsequent sightings have consisted of large groups of UAS, frequently operating in formation, and displaying a grid search or grid pattern flight path. The UAS have been described as:

- (U//FOUO) Rotary-winged aircraft
- (U//FOUO) Four to six feet in length
- (U//FOUO) Display white, green, and/or red lights during flight

(U) This report addresses the following CIAC Standing Information Needs: CIAC SIN-9, CIAC SIN-11, and HSEC- 10.

CIAC Customer Satisfaction Survey

Please take a moment to complete this survey and help evaluate the quality, value, and relevance of our intelligence product. Your response will help us serve you more effectively and efficiently in the future. Thank you for your cooperation and assistance. [Click here to take survey.](#)

For further information concerning this bulletin please contact the *Colorado Information Analysis Center* at (877) 509-2422 or email cdps_ciac@state.co.us

To report suspicious activity, please visit our website at <http://www.dshem.state.co.us>



Subject Unidentified UAS Sightings

The Colorado Information Analysis Center is requesting any information on instances of unidentified Unmanned Aerial Systems or drones operating at night, in formation, and/or displaying suspicious activity. Please see the attached bulletin for further information.

		Status	In Progress
Categories	Suspicious Activity	Test	No
		ORI #	
Urgency Hours		Agency/Case Reference #	CIAC 19-25314
Submitted	12/31/2019 09:58	Highest Caveat	FOUO
Last Modified	12/31/2019 10:15		
Needed By	01/18/2020 21:30	Contains	
Expires	02/29/2020 21:30	Conceal/Reveal	Concealed
Closed			

Closing Comment

submitted by (b) (6) [FC CIAC]

of Colorado Information Analysis Center

(a Fusion Center group)

Primary	(b) (6) @state.co.us	Office	303-239-4360
Alternate		Mobile	
Classified		Home	
		Fax	

Office Contact

Website dhsem.state.co.us
Email cdps_ciac@state.co.us;cdps_ciac_w
Phone 877-509-2422
Fax 7208526758

Hours Open 24 x 7

Emergency Contact

Person (b) (6)
Email (b) (6) @state.c
Phone 720-883-1374
Fax

Persons

{No persons have been added to this request.}

Details

{No details have been added to this request.}

Vehicles

{No vehicles have been added to this request.}

Attachments

#1: [application/pdf] file "CIAC 19-25314 FOUO_RFI_Unidentified UAS Sightings.pdf" (291.2 Kb) was uploaded at 12/31/2019 09:54,
RFI

Conversations (page 1 of 12)

Alabama Fusion Center (FC AFC)

=====
{You do not have access to this conversation.}

Alaska Information and Analysis Center (FC AKIAC)

=====
{You do not have access to this conversation.}

Arizona Counter Terrorism Information Center (FC ACTIC)

=====
{You do not have access to this conversation.}

Arkansas State Fusion Center (FC ASFC)

=====
{You do not have access to this conversation.}

Austin Regional Intelligence Center (FC ARIC)

=====
{You do not have access to this conversation.}

Boston Regional Intelligence Center (FC BRIC)

=====
{You do not have access to this conversation.}

California State Threat Assessment Center (FC STAC)

=====
{You do not have access to this conversation.}

Conversations (page 2 of 12)

Central California Intelligence Center (FC CCIC)

=====
{You do not have access to this conversation.}

Central Florida Intelligence Exchange (FC CFIX)

=====
{You do not have access to this conversation.}

Chicago Crime Prevention and Information Center (FC CPIC)

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{You do not have access to this conversation.}

Connecticut Intelligence Center (FC CTIC)

=====
{You do not have access to this conversation.}

Dallas Police Department Fusion Center (FC DPDFC)

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{You do not have access to this conversation.}

Delaware Information and Analysis Center (FC DIAC)

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{You do not have access to this conversation.}

Delaware Valley Intelligence Center (FC DVIC)

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{You do not have access to this conversation.}

Conversations (page 3 of 12)

Detroit and Southeast Michigan Information and Intelligence Center (FC DSEMIIC)

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{You do not have access to this conversation.}

El Paso Multi-Agency Tactical Response Information eXchange (FC MATRIX)

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{You do not have access to this conversation.}

Florida Fusion Center (FC FFC)

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{You do not have access to this conversation.}

Georgia Information Sharing and Analysis Center (FC GISAC)

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{You do not have access to this conversation.}

Greater Cincinnati Fusion Center (FC GCFC)

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{You do not have access to this conversation.}

Hawaii State Fusion Center (FC HSFC)

=====
{You do not have access to this conversation.}

Houston Regional Intelligence Service Center (HRISC-FC)

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{You do not have access to this conversation.}

Conversations (page 4 of 12)

Idaho Criminal Intelligence Center (FC ICIC)

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{You do not have access to this conversation.}

Illinois Statewide Terrorism and Intelligence Center (FC STIC)

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{You do not have access to this conversation.}

Indiana Intelligence Fusion Center (FC IIFC)

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{You do not have access to this conversation.}

Iowa Division of Intelligence and Fusion Center (FC DOI/FC)

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{You do not have access to this conversation.}

Kansas City Regional Fusion Center (FC KCRFC)

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{You do not have access to this conversation.}

Kansas Intelligence Fusion Center (FC KSIFC)

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{You do not have access to this conversation.}

Kentucky Intelligence Fusion Center (FC KIFC)

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{You do not have access to this conversation.}

Conversations (page 5 of 12)

Los Angeles Joint Regional Intelligence Center (FC JRIC)

=====
{You do not have access to this conversation.}

Louisiana State Analytical and Fusion Exchange (FC LA-SAFE)

=====
{You do not have access to this conversation.}

Maine Information and Analysis Center (FC MEIAC)

=====
{You do not have access to this conversation.}

Maryland Coordination and Analysis Center (FC MCAC)

=====
{You do not have access to this conversation.}

Massachusetts Commonwealth Fusion Center (FC CFC)

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{You do not have access to this conversation.}

Michigan Intelligence Operations Center (FC MIOC)

=====
{You do not have access to this conversation.}

Minnesota Fusion Center (FC MNFC)

=====
{You do not have access to this conversation.}

Conversations (page 6 of 12)

Mississippi Analysis and Information Center (FC MSAIC)

=====
{You do not have access to this conversation.}

Missouri Information Analysis Center (FC MIAC)

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{You do not have access to this conversation.}

Montana Analysis Technical Information Center (FC MATIC)

=====
{You do not have access to this conversation.}

NCR Threat Analysis Consortium (DC Fusion Center) (DC FC- NTIC)

=====
{You do not have access to this conversation.}

Nebraska Information Analysis Center (FC NIAC)

=====
{You do not have access to this conversation.}

Nevada Threat Analysis Center (FC NTAC)

=====
{You do not have access to this conversation.}

New Hampshire Information and Analysis Center (FC NHIAC)

=====
{You do not have access to this conversation.}

Conversations (page 7 of 12)

New Jersey Regional Operations Intelligence Center (FC NJROIC)

=====
{You do not have access to this conversation.}

New Mexico All Source Intelligence Center (FC NMASIC)

=====
{You do not have access to this conversation.}

New York State Intelligence Center (FC NYSIC)

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{You do not have access to this conversation.}

North Carolina Information Sharing and Analysis Center (FC NCISAAC)

=====
{You do not have access to this conversation.}

North Dakota State and Local Intelligence Center (FC NDSLIC)

=====
{You do not have access to this conversation.}

North Texas Fusion Center (FC NTFC)

=====
{You do not have access to this conversation.}

Northeast Ohio Regional Fusion Center (FC NEORFC)

=====
{You do not have access to this conversation.}

Conversations (page 8 of 12)

Northern California Regional Intelligence Center (FC NCRIC)

=====
{You do not have access to this conversation.}

Northern Virginia Regional Intelligence Center (FC NVRIC)

=====
{You do not have access to this conversation.}

Ohio Statewide Terrorism Analysis and Crime Center (FC STACC)

=====
{You do not have access to this conversation.}

Oklahoma Information Fusion Center (FC OIFC)

=====
{You do not have access to this conversation.}

Orange County Intelligence Assessment Center (FC OCIAC)

=====
{You do not have access to this conversation.}

Oregon Terrorism Information Threat Assessment Network (FC TITAN)

=====
{You do not have access to this conversation.}

Pennsylvania Criminal Intelligence Center (FC PACIC)

=====
{You do not have access to this conversation.}

Conversations (page 9 of 12)

Puerto Rico National Security State Information Center (FC NSSIC)

=====
{You do not have access to this conversation.}

Rhode Island State Fusion Center (FC RISFC)

=====
{You do not have access to this conversation.}

Rolando Delfin (FC MRFC)

=====
{You do not have access to this conversation.}

San Diego Law Enforcement Coordination Center (FC SD-LECC)

=====
{You do not have access to this conversation.}

South Carolina Information and Intelligence Center (FC SCIIC)

=====
{You do not have access to this conversation.}

South Dakota Fusion Center (FC SDFC)

=====
{You do not have access to this conversation.}

Southeast Florida Fusion Center (FC SEFFC)

=====
{You do not have access to this conversation.}

Conversations (page 10 of 12)

Southeastern Wisconsin Threat Analysis Center (FC WI-STAC)

=====
{You do not have access to this conversation.}

Southern Nevada Counter-Terrorism Center (FC SNCTC)

=====
{You do not have access to this conversation.}

Southwest Texas Fusion Center (FC SWTFC)

=====
{You do not have access to this conversation.}

St. Louis Fusion Center (STLFC)

=====
{You do not have access to this conversation.}

Tennessee Fusion Center (FC TFC)

=====
{You do not have access to this conversation.}

Texas Fusion Center (FC TXJCIC)

=====
{You do not have access to this conversation.}

TX - Fort Worth Intelligence Exchange (FC INTEX)

=====
{You do not have access to this conversation.}

Conversations (page 11 of 12)

U.S. Virgin Islands Fusion Center (FC VIFC)

=====
{You do not have access to this conversation.}

Utah Statewide Information and Analysis Center (FC SIAC)

=====
{You do not have access to this conversation.}

Vermont Intelligence Center (FC VIC)

=====
{You do not have access to this conversation.}

Virginia Fusion Center (FC VFC)

=====
{You do not have access to this conversation.}

Washington State Fusion Center (FC WSFC)

=====
{You do not have access to this conversation.}

West Virginia Intelligence Fusion Center (FC WVIFC)

=====
{You do not have access to this conversation.}

Western PA All Hazards Fusion Center (FC WPAHFC)

=====
{You do not have access to this conversation.}

Conversations (page 12 of 12)

Wisconsin Statewide Intelligence Center (FC WSIC)

=====
{You do not have access to this conversation.}

Wyoming Information Analysis Team (FC WIAT)

=====
{You do not have access to this conversation.}



CIAC

Colorado Information Analysis Center

Department of Public Safety

31 December 2019
CIAC Report #: 19-25314

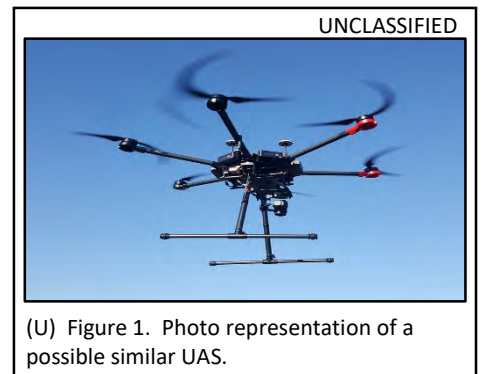
Request For Information (RFI)

Unidentified UAS (Drone) Sightings

Requesting Agency:	Colorado Information Analysis Center
Requesting Individual:	Intelligence Analyst (b) (6)
Phone Number:	720-576-8757
E-Mail:	(b) (6) @state.co.us

(U//FOUO) The Colorado Information Analysis Center is requesting any information on instances of unidentified Unmanned Aerial Systems (UAS), or commonly known as a “drone,” operating at night, in formation, and/or displaying suspicious activity.

(U//FOUO) During the evening hours of 16 December 2019, a citizen in Holyoke, Colorado, observed an UAS hovering outside of their residence. The UAS appeared in very close proximity to the home, seemingly viewing the inside of the residence by way of a presumed camera onboard the UAS.



(U//FOUO) Subsequent sightings have consisted of large groups of UAS, frequently operating in formation, and displaying a grid search or grid pattern flight path. The UAS have been described as:

- (U//FOUO) Rotary-winged aircraft
- (U//FOUO) Four to six feet in length
- (U//FOUO) Display white, green, and/or red lights during flight

(U) This report addresses the following CIAC Standing Information Needs: CIAC SIN-9, CIAC SIN-11, and HSEC- 10.

CIAC Customer Satisfaction Survey

Please take a moment to complete this survey and help evaluate the quality, value, and relevance of our intelligence product. Your response will help us serve you more effectively and efficiently in the future. Thank you for your cooperation and assistance. [Click here to take survey.](#)

For further information concerning this bulletin please contact the *Colorado Information Analysis Center* at (877) 509-2422 or email cdps_ciac@state.co.us

To report suspicious activity, please visit our website at <http://www.dshem.state.co.us>

RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>
Cc: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 14:51:45 -0500

Thanks – also, I know Craig has been on the emails. Craig, can you back stop Bam while he is busy in Pasadena? I am concerned you will be overwhelmed. Angela wants to provide not only the W-ROC number but either you call or Craig's (my thought) if Senator Gardner's office (CO) needs to reach out – we have been calming the fires with his office today.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Sent: Tuesday, December 31, 2019 2:39 PM
To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Cc: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

There has been no discussion. I will forward the idea.

R,
Bam

From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Tuesday, December 31, 2019 11:19 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Cc: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Subject: FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Bam, I am sharing all of the emails flying around the building for your SA. Has there been any discussion about LE using a helo to try and VID the alleged drones? If not, is that a recommendation you can make? Guessing the sheriff's don't have an air asset but hopping one of the State agencies does.

I have reached out to the FBI and have a telcon on Thursday with FBI HQ – they are interested. Would you be free, once I get a time and conference bridge, to participate? Thanks,

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>
Sent: Tuesday, December 31, 2019 1:43 PM
To: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>; Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

(b) (5)

We'll see. In the meantime we'll ask Bam to pose the question on whether local law enforcement is able to use air assets to try to track their landing location. claudio

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 1:37 PM
To: Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>

Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thanks, Phil. The team continues to try to work available leads, but I am not sure what else we can do at this point beyond that.

The one other option I see would be to try to get local LE to put up helo assets to try to track the UAS back to where they land...there are a couple of risks with that, but we can certainly suggest it. Claudio/Josh, can you talk with Bam about discussing this with local LE or trying to get FBI involved with detection assets? Thanks!

Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:30 PM, Newman, Philip (FAA) <Philip.Newman@faa.gov> wrote:

Just an update from Senator Gardner's office. They are hearing from the local farm bureau that the drones have been disturbing cattle operations and may have caused injuries, and that the drones are flying closely to some of the general aviation airports in the area.

They may elevate this to a call from the Senator to the Administrator given the level of concern in the area. They are also just concerned that it's taking this long to identify such a large number of drones.

Please let me know if there is anything else I can report.

Philip Newman
Federal Aviation Administration
U.S. Department of Transportation

On Dec 31, 2019, at 1:23 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Outstanding, Jess. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
(b) (6) office
(b) (6) cell

On Dec 31, 2019, at 1:17 PM, Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov> wrote:

Update: We confirmed the University of Colorado had no flights in the subject area.

Sent from my iPhone

On Dec 30, 2019, at 9:37 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Good evening,

Most, if not all, of you have been involved in trying to pull the thread on what may be the cause of the multiple reports of multiple drones conducting "grid work" in the evening in various parts of Colorado and Nebraska, as reporting by several new outlets over the last 4-5 days. In addition, we received an inquiry from Colorado Senator Gardner's staff as well. Below is what has occurred and what actions are still in train by ASH, AVS, and ATO.

Multiple FAA offices (ASH, AFS and ATO) have been looking into this issue since late last week when an article appeared in Denver paper. Here are the actions FAA has taken and what we have found to date:

1. Local LE Engagement: ASH Law Enforcement Assistance Program (LEAP) agent has spoken with Sheriffs from Washington, Lincoln, and Yuma Counties to gather additional information and provide assistance. From this interaction, we have learned that reports have been received from both law enforcement and local citizens with Washington County Sheriff, (b) (6), and

his Deputy providing first-hand accounts. Each agency contacted advised at least one deputy has witnessed the activity. The activity reported occurs primarily between the hours of 1800 and 2200 MST and demonstrate the pattern of multiple “drones” flying a grid type pattern and remaining airborne for several hours at a time in less than optimum flying conditions (high winds and storm-like conditions). The number of drones reported operating at one range from between 2 and 16 and appear to be approximately 6 feet width and length. Flight time has been 2 to 3 hours continuous. All reports indicate flight is between 200 and 300 feet. However several people interviewed stated it was hard to determine height due to the darkness and lack of clouds. Other sightings lights were also reported to be either flashing or steady white, red, or green. One report mentioned flashing blue lights. They have not been described as operating in a manner that place persons on the ground in danger. Reports are extending in a southerly direction with activity continuing in the original two counties. Lincoln County is the latest county to report activity.

—Since the reports are now in the national news, the sheriffs and other law enforcement have been inundated with calls. Law Enforcement has been consistent in stating that no Colorado criminal codes have been violated, and there is no confirmation that these observables are UAS.

—The Sheriffs are having a Conference next week in Lynnwood, CO. They have asked the LEAP agent to attend the Conference and work with the Local Law Enforcement on training and education.

— The ASH LEAP agent researched out to one company, (b) (5), (b) (6), that has the capability and capacity to fly extended hours as observed and was granted a 107.29 night waiver. He just confirmed they are not operating in the areas with reported sightings.

— No operators have been identified yet, but LEAP continues to research options. A list of pipeline co-op users was located. ***calls are being made to inquire about inspection activity.***

—Denver FSDO is also aware of the reports in coordination with LEAP. DEN FSDO has had three reports (not necessarily complaints) of the UAS activity— one on 12/20, and a few more on 12/28 from law enforcement. FSDO determined there is no actionable information or evidence to move forward with any kind of investigation at this time.

—The two leading potential explanations point to possible survey work:

- 1) A new pipeline has been proposed in the Julesburg Basin, an area northeast Colorado on the Colorado/Nebraska border and the counties where the sightings have taken place are adjacent to that basin; and
- 2) Colorado recently enacted more strict EPA-related laws leaving some to speculate that the aircraft are conducting IR surveillance for gas leak detection.

—The Lincoln FSDO has received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. The caller reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29 approximately from 1900-2230 MST. He was unable to get a photo or video. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County.

—There are reports of a (b) (5), (b) (6) truck being in Grant, NE on Sunday, December 29 has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil. (b) (5), ***will be contacted (ASH or FSDO?)***.

2. **DoD Engagement:** NORTHCOM/NORAD has been contacted and does not have any information, other than they are aware of the reports.

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I will report same up to AOA/ADA. As you close out on the remaining tasks highlighted in bold, italicized, and underlined text, I

would ask folks to use this chain to report any additional follow-up to maintain group SA.

Thanks for the great work and coordination!

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Angela

Sent from my iPad

Angela Stubblefield
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FAA
202-267-7576 office
(b) (6) cell

RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Burns, Craig (FAA)" <craig.burns@faa.gov>
To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Cc: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 15:08:10 -0500

I advised Bam, I will be around for the holiday and can help him if he needs

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program

(b) (6)

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Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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To: "Burns, Craig (FAA)" <craig.burns@faa.gov>, "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Cc: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 15:28:20 -0500

Thanks Craig. OK to use your cell for the moment along with W-ROC? This continues to grow legs. I am guessing FBI will be all in on Thursday if the mystery has not been solved by then.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
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(O) 202-267-7980
(M) (b) (6)
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To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
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Sent from my iPad

Angela Stubblefield
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(b) (6) cell

RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Cc: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 15:29:29 -0500

Yes, ok to provide my cell: (b) (6)

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program
(b) (6)

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Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thanks, Phil. The team continues to try to work available leads, but I am not sure what else we can do at this point beyond that.

The one other option I see would be to try to get local LE to put up helo assets to try to track the UAS back to where they land...there are a couple of risks with that, but we can certainly suggest it. Claudio/Josh, can you talk with Bam about discussing this with local LE or trying to get FBI involved with detection assets? Thanks!

Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA

202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:30 PM, Newman, Philip (FAA) <Philip.Newman@faa.gov> wrote:

Just an update from Senator Gardner's office. They are hearing from the local farm bureau that the drones have been disturbing cattle operations and may have caused injuries, and that the drones are flying closely to some of the general aviation airports in the area.

They may elevate this to a call from the Senator to the Administrator given the level of concern in the area. They are also just concerned that it's taking this long to identify such a large number of drones.

Please let me know if there is anything else I can report.

Philip Newman
Federal Aviation Administration
U.S. Department of Transportation

On Dec 31, 2019, at 1:23 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Outstanding, Jess. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:17 PM, Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov> wrote:

Update: We confirmed the University of Colorado had no flights in the subject area.

Sent from my iPhone

On Dec 30, 2019, at 9:37 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

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Cc: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
Date: Tue, 31 Dec 2019 15:36:31 -0500

Thanks Craig.
Josh

Joshua Holtzman
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(M) (b) (6)
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Sent: Tuesday, December 31, 2019 1:37 PM
To: Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thanks, Phil. The team continues to try to work available leads, but I am not sure what else we can do at this point beyond that.

The one other option I see would be to try to get local LE to put up helo assets to try to track the UAS back to where they land...there are a couple of risks with that, but we can certainly suggest it. Claudio/Josh, can you talk with Bam about discussing this with local LE or trying to get FBI involved with detection assets? Thanks!

Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:30 PM, Newman, Philip (FAA) <Philip.Newman@faa.gov> wrote:

Just an update from Senator Gardner's office. They are hearing from the local farm bureau that the drones have been disturbing cattle operations and may have caused injuries, and that the drones are flying closely to some of the general aviation airports in the area.

They may elevate this to a call from the Senator to the Administrator given the level of concern in the area. They are also just concerned that it's taking this long to identify such a large number of drones.

Please let me know if there is anything else I can report.

Philip Newman
Federal Aviation Administration
U.S. Department of Transportation

On Dec 31, 2019, at 1:23 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Outstanding, Jess. Thanks!
R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:17 PM, Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov> wrote:

Update: We confirmed the University of Colorado had no flights in the subject area.

Sent from my iPhone

On Dec 30, 2019, at 9:37 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Good evening,

Most, if not all, of you have been involved in trying to pull the thread on what may be the cause of the multiple reports of multiple drones conducting "grid work" in the evening in various parts of Colorado and Nebraska, as reporting by several new outlets over the last 4-5 days. In addition, we received an inquiry from Colorado Senator Gardner's staff as well. Below is what has occurred and what actions are still in train by ASH, AVS, and ATO.

Multiple FAA offices (ASH, AFS and ATO) have been looking into this issue since late last week when an article appeared in Denver paper. Here are the actions FAA has taken and what we have found to date:

- 1. Local LE Engagement:** ASH Law Enforcement Assistance Program (LEAP) agent has spoken with Sheriffs from Washington, Lincoln, and Yuma Counties to gather additional information and provide assistance. From this interaction, we have learned that reports have been received from both law enforcement and local citizens with Washington County Sheriff, (b) (6), and his Deputy providing first-hand accounts. Each agency contacted advised at least one deputy has witnessed the activity. The activity reported occurs primarily between the hours of 1800 and

2200 MST and demonstrate the pattern of multiple “drones” flying a grid type pattern and remaining airborne for several hours at a time in less than optimum flying conditions (high winds and storm-like conditions). The number of drones reported operating at one range from between 2 and 16 and appear to be approximately 6 feet width and length. Flight time has been 2 to 3 hours continuous. All reports indicate flight is between 200 and 300 feet. However several people interviewed stated it was hard to determine height due to the darkness and lack of clouds. Other sightings lights were also reported to be either flashing or steady white, red, or green. One report mentioned flashing blue lights. They have not been described as operating in a manner that place persons on the ground in danger. Reports are extending in a southerly direction with activity continuing in the original two counties. Lincoln County is the latest county to report activity.

—Since the reports are now in the national news, the sheriffs and other law enforcement have been inundated with calls. Law Enforcement has been consistent in stating that no Colorado criminal codes have been violated, and there is no confirmation that these observables are UAS.

—The Sheriffs are having a Conference next week in Lynnwood, CO. They have asked the LEAP agent to attend the Conference and work with the Local Law Enforcement on training and education.

— The ASH LEAP agent researched out to one company, (b) (5), (b) (6), that has the capability and capacity to fly extended hours as observed and was granted a 107.29 night waiver. He just confirmed they are not operating in the areas with reported sightings.

— No operators have been identified yet, but LEAP continues to research options. A list of pipeline co-op users was located. ***Calls are being made to inquire about inspection activity.***

—Denver FSDO is also aware of the reports in coordination with LEAP. DEN FSDO has had three reports (not necessarily complaints) of the UAS activity— one on 12/20, and a few more on 12/28 from law enforcement. FSDO determined there is no actionable information or evidence to move forward with any kind of investigation at this time.

—The two leading potential explanations point to possible survey work:

- 1) A new pipeline has been proposed in the Julesburg Basin, an area northeast Colorado on the Colorado/Nebraska border and the counties where the sightings have taken place are adjacent to that basin; and
- 2) Colorado recently enacted more strict EPA-related laws leaving some to speculate that the aircraft are conducting IR surveillance for gas leak detection.

—The Lincoln FSDO has received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. The caller reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29 approximately from 1900-2230 MST. He was unable to get a photo or video. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County.

—There are reports of a (b) (5), (b) (6) truck being in Grant, NE on Sunday, December 29 has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil. (b) (5), (b) (6) ***will be contacted (ASH or FSDO?).***

2. **DOD Engagement:** NORTHCOM/NORAD has been contacted and does not have any information, other than they are aware of the reports.

3. **ATO Checks:** ATO System Operations indicated they have not given any authorizations matching this area. The Western Service Center reported they have no “swarm” COAs for that area and are not aware of any special DoD missions of this nature. There are no Part 107’s approvals for this type of operation.

—ATO is ***checking with the University of Colorado (CU)*** (test site activity), but it appears they are out for the Holidays. ***ATO is sifting through the Part 91 blanket COAs*** and should have that finished soon. CU has some blanket COAs in that area, but until they finish searching the Part 91 COAs, they cannot be sure if anything operations like this are included.

I will report same up to AOA/ADA. As you close out on the remaining tasks highlighted in bold, italicized, and underlined text, I would ask folks to use this chain to report any additional follow-up to maintain group SA.

Thanks for the great work and coordination!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

FW: Drone activity in Colorado/Nebraska

From: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>
Date: Tue, 31 Dec 2019 17:40:42 -0500
Attachments: RE_Drone activity in Colorado_Nebraska.msg (1.23 MB)

For your SA.
Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 4:41 PM
To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

FYI

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

Begin forwarded message:

From: "Amend, Erik (FAA)" <Erik.Amend@faa.gov>
Date: December 31, 2019 at 3:04:52 PM EST
To: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Cc: "Merkle, Jay (FAA)" <Jay.Merkle@faa.gov>, "Crozier, Bill (FAA)" <Bill.Crozier@faa.gov>, "Forro, Elizabeth (FAA)" <elizabeth.forro@faa.gov>, "Morra, Joseph (FAA)" <Joseph.Morra@faa.gov>, "Hayes, Randa (FAA)" <randa.hayes@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Angela

FYI here are some other updates, some of which you may have already received from other channels.

We have two Test Sites that have not yet responded, NV and AK. Joe M is monitoring.

Erik

sent from my iPhone

Begin forwarded message:

From: "Morra, Joseph (FAA)" <Joseph.Morra@faa.gov>
Date: December 31, 2019 at 1:51:22 PM EST
To: "Forro, Elizabeth (FAA)" <elizabeth.forro@faa.gov>, "Meyer, Thomas CTR (FAA)" <Thomas.CTR.Meyer@faa.gov>, "Amend, Erik (FAA)" <Erik.Amend@faa.gov>
Cc: "Marks, Julie (FAA)" <julie.marks@faa.gov>, "Crozier, Bill (FAA)" <Bill.Crozier@faa.gov>, "Brooks, Deandra (FAA)" <deandra.brooks@faa.gov>, "Merkle, Jay (FAA)" <Jay.Merkle@faa.gov>, "Baker, Thomas E (FAA)" <Thomas.E.Baker@faa.gov>, "Reinhardt, John (FAA)" <john.reinhardt@faa.gov>, "Beatty, Thomas (FAA)" <thomas.beatty@faa.gov>, "Seveur, Kenneth (FAA)" <kenneth.seveur@faa.gov>, "Strande, Paul (FAA)" <paul.strande@faa.gov>, "Olson, Kerin (FAA)" <Kerin.Olson@faa.gov>, "DiPasquantonio, Maria (FAA)" <maria.dipasquantonio@faa.gov>, "Eastlee, Joshua D (FAA)" <joshua.d.eastlee@faa.gov>, "Cruz, Emanuel (FAA)" <Emanuel.Cruz@faa.gov>, "May, David (FAA)" <David.May@faa.gov>, "Hinaman, Arthur (FAA)" <Arthur.Hinaman@faa.gov>, "Hartman, Nicole (FAA)" <nicole.hartman@faa.gov>, "Vanek, Adrienne (FAA)" <Adrienne.Vanek@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

- 1) Just a recent email chain (attached) for SA that includes AFS one-pager. Of note, DEN FSDO may do night ride-alongs with local LE patrols.
- 2) Yet another, separate email chain is mentioning possible coordination of air assets (helicopter) or detection capabilities.
- 3) Lone Star (TX) test site responded to Tom Meyer with no info. Just waiting to hear from NV and AK.

Joe Morra, Director AUS-400
Federal Aviation Administration

Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

[AUS appreciates your feedback](#)

(Please select: UAS Safety and Integration Division AUS-400)

From: Morra, Joseph (FAA)

Sent: Tuesday, December 31, 2019 10:08 AM

To: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Meyer, Thomas CTR (FAA) <Thomas.CTR.Meyer@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>

Cc: Marks, Julie (FAA) <Julie.Marks@faa.gov>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov>; Brooks, Deandra (FAA) <deandra.brooks@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Baker, Thomas E (FAA) <Thomas.E.Baker@faa.gov>; Reinhardt, John (FAA) <john.reinhardt@faa.gov>; Beatty, Thomas (FAA) <thomas.beatty@faa.gov>; Seveur, Kenneth (FAA) <kenneth.seveur@faa.gov>; Strande, Paul (FAA) <Paul.Strande@faa.gov>; Olson, Kerin (FAA) <Kerin.Olson@faa.gov>; DiPasquantonio, Maria (FAA) <maria.dipasquantonio@faa.gov>; Eastlee, Joshua D (FAA) <Joshua.D.Eastlee@faa.gov>; Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov>; May, David (FAA) <David.May@faa.gov>; Hinaman, Arthur (FAA) <Arthur.Hinaman@faa.gov>; Hartman, Nicole (FAA) <Nicole.Hartman@faa.gov>; Vanek, Adrienne (FAA) <Adrienne.Vanek@faa.gov>

Subject: RE: Drone activity in Colorado/Nebraska

- 1) Just sharing an attached email with (b) link that AFS found (b) (5), operations).
- 2) Tom Meyers has heard back from 4 of the 7 test sites so far; all 4 having no info on the operations: NY, Mid-Atlantic (VA), ND and NM

Liz, thanks for dropping Randa and Rico.

Adding other AUS-400 management / POCs in case there's an experimental, IPP element, etc... Also adding Adrienne for SA. If I missed anyone, please loop them in on this email chain to share what we find out. Thanks.

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

[AUS appreciates your feedback](#)

(Please select: UAS Safety and Integration Division AUS-400)

From: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>

Sent: Tuesday, December 31, 2019 9:19 AM

To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Meyer, Thomas CTR (FAA) <Thomas.CTR.Meyer@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>

Cc: Marks, Julie (FAA) <julie.marks@faa.gov>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov>; Brooks, Deandra (FAA) <deandra.brooks@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Baker, Thomas E (FAA) <Thomas.E.Baker@faa.gov>; Reinhardt, John (FAA) <john.reinhardt@faa.gov>; Beatty, Thomas (FAA) <thomas.beatty@faa.gov>; Seveur, Kenneth (FAA) <kenneth.seveur@faa.gov>; Strande, Paul (FAA) <paul.strande@faa.gov>; Olson, Kerin (FAA) <Kerin.Olson@faa.gov>

Subject: RE: Drone activity in Colorado/Nebraska

Dropping Randa and Rico...please continue ☺

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6)
Elizabeth.Forro@faa.gov
www.faa.gov/uas

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov>

Sent: Tuesday, December 31, 2019 8:48 AM

To: Meyer, Thomas CTR (FAA) <Thomas.CTR.Meyer@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>

Cc: Marks, Julie (FAA) <julie.marks@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov>; Brooks, Deandra (FAA) <deandra.brooks@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Baker, Thomas E (FAA) <Thomas.E.Baker@faa.gov>; Reinhardt, John (FAA) <john.reinhardt@faa.gov>; Beatty, Thomas (FAA) <thomas.beatty@faa.gov>; Seveur, Kenneth (FAA) <kenneth.seveur@faa.gov>; Strande, Paul (FAA) <paul.strande@faa.gov>; Olson, Kerin (FAA) <Kerin.Olson@faa.gov>

Subject: RE: Drone activity in Colorado/Nebraska

Thanks Tom!

Looping in Paul, Kerin and Ken Seveur (I believe Ken is the POC today) from AUS-300 to possibly help check with their COE contacts and loop back to this email chain.

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

[AUS appreciates your feedback](#)

(Please select: UAS Safety and Integration Division AUS-400)

From: Meyer, Thomas CTR (FAA) <Thomas.CTR.Meyer@faa.gov>

Sent: Tuesday, December 31, 2019 8:39 AM

To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>

Cc: Marks, Julie (FAA) <julie.marks@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov>; Brooks, Deandra (FAA) <deandra.brooks@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Baker, Thomas E (FAA) <Thomas.E.Baker@faa.gov>; Reinhardt, John (FAA) <john.reinhardt@faa.gov>; Beatty, Thomas (FAA) <thomas.beatty@faa.gov>

Subject: RE: Drone activity in Colorado/Nebraska

I've sent an email out to the UAS Test Sites. Colorado originally submitted a proposal to be a test site in 2012 but was not selected. There have been articles they are working by themselves. The UAS Test Site Universities might know and I've requested they provide information to me, cc'ing Joe and Thomas (Beatty). Most are closed for winter break. Some Directors sporadically check email. I've asked for a response once they see the message.

I also validated that Colorado is not part of Assure (UAS COE) but it might be a good idea to check what, if anything, they've heard. Not certain who the current lead is for the COEs.

TM

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov>

Sent: Monday, December 30, 2019 09:49 PM

To: Amend, Erik (FAA) <Erik.Amend@faa.gov>

Cc: Marks, Julie (FAA) <julie.marks@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov>; Brooks, Deandra (FAA) <deandra.brooks@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Meyer, Thomas CTR (FAA) <Thomas.CTR.Meyer@faa.gov>; Baker, Thomas E (FAA) <Thomas.E.Baker@faa.gov>; Reinhardt, John (FAA) <john.reinhardt@faa.gov>

Subject: Re: Drone activity in Colorado/Nebraska

Tom (Meyer):

Can you please send a message to the test sites and ask them as Erik states below "if they have any knowledge or even theories about the night operations cited in the below article?"

Please include the article link with the request but start a new email chain rather than forwarding this one. Thanks.

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
Sent from my iPhone

[AUS appreciates your feedback](#)

(Please select: UAS Safety and Integration Division AUS-400)

On Dec 30, 2019, at 9:31 PM, Amend, Erik (FAA) <Erik.Amend@faa.gov> wrote:

Dropping Angela –

Joe/Julie – Just to be sure we are covering our bases, can you please have Rob or John check with the Test Sites to see if they have any knowledge or even theories about the night operations cited in the below article?

Thx

Erik

Erik W. Amend, PMP
Manager, Executive Office, AUS-10
FAA UAS Integration Office
202.267.8282
erik.amend@faa.gov
www.faa.gov/uas
[AUS appreciates your feedback](#)

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>

Sent: Monday, December 30, 2019 4:56 PM

To: Amend, Erik (FAA) <Erik.Amend@faa.gov>

Cc: Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov>; Brooks, Deandra (FAA) <deandra.brooks@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Marks, Julie (FAA) <julie.marks@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>

Subject: Re: Drone activity in Colorado/Nebraska

Thanks! ATO is contacting University of Colorado; however, if you think it makes sense to contact our test sites that would be good too. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office

(b) (6) cell

On Dec 30, 2019, at 2:09 PM, Amend, Erik (FAA) <Erik.Amend@faa.gov> wrote:

Widening the cc line

Angela,

If you'd like we can poll the DAC and or the Test Sites to see if they can shed any light.

Erik

sent from my iPhone

On Dec 30, 2019, at 1:46 PM, Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov> wrote:

Angela –

Nothing from our end. Defer to FS.

Liz

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6)
Elizabeth.Forro@faa.gov
www.faa.gov/uas

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Monday, December 30, 2019 12:58 PM
To: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>
Cc: Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>
Subject: Re: Drone activity in Colorado/Nebraska

Thanks!!

Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone

On Dec 30, 2019, at 12:56 PM, Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov> wrote:

Checking

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6)
Elizabeth.Forro@faa.gov
www.faa.gov/uas

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Monday, December 30, 2019 12:53 PM
To: Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>
Subject: Drone activity in Colorado/Nebraska

<https://www.google.com/amp/s/www.foxnews.com/us/colorado-nebraska-sheriffs-puzzled-by-nocturnal-drone-flights.amp>

The Chief of Staff for Senator Gardner from Colorado is asking about this. ASH LEAP and ATO are checking their data —would AUS or AFS have any info on this activity? Please let me know soonest as I may have a call with them today.

R/
Angela

Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone



FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>
Date: Tue, 31 Dec 2019 18:12:00 -0500

I wanted you all to be aware.

You may receive more calls.

Have a Happy New Year!
Leesa

From: Dermody, John (FAA) <John.Dermody@faa.gov>
Sent: Tuesday, December 31, 2019 6:08 PM
To: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Lenfert, Winsome A (FAA) <winsome.a.lenfert@faa.gov>; Hiatt, Patricia (FAA) <patricia.hiatt@faa.gov>
Cc: Newman, Philip (FAA) <Philip.Newman@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Angela - I coordinated with both our Northwest Mountain (ANM) and Central (ACE) regions. ACE is starting to contact the airports in the affected areas and ANM will also be doing so shortly.

Thanks and have a safe and happy New Year all!

John

John R. Dermody, P.E.
Director
Office of Airport Safety and Standards
Federal Aviation Administration
(202) 267-3053



Advancing the safest, most efficient airport system in the world!

On Dec 31, 2019, at 4:34 PM, Dermody, John (FAA) <John.Dermody@faa.gov> wrote:

Yes Angela, will do. Thanks for letting us know!

John

John R. Dermody, P.E.
Director
Office of Airport Safety and Standards
Federal Aviation Administration
(202) 267-3053
<image001.png>
Advancing the safest, most efficient airport system in the world!

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 4:14 PM
To: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Lenfert, Winsome A (FAA) <winsome.a.lenfert@faa.gov>; Dermody, John (FAA) <John.Dermody@faa.gov>; Hiatt, Patricia (FAA) <patricia.hiatt@faa.gov>
Cc: Newman, Philip (FAA) <Philip.Newman@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

I am now looping in ARP to join the effort.

John/Trish,

Read the chain below from the bottom up. Phil and I just got off the phone with Senator Gardner's office. One of the points of the Senator's concern is the operation of this herd of drones (that's my term to differentiate between a legitimate swarm) near GA airports in the area. I said that we would notify those airports to the following:

1. Make sure they are aware of the reports of drones operating for several hours each evening in the area;
2. Ask that they alert pilots using their airports to be cautious and to report any sightings or if they see what may be the operators on the ground; and

3. Provide them with the numbers to call to report sightings to FAA.

Would you be able to enlist your ADO in the area to contact GA airports in the counties identified at the bottom of the string to do 1-3?

Please let me know if you have any questions. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 2:02 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Great, Claudio, thanks!
R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:52 PM, Manno, Claudio (FAA) <Claudio.Manno@faa.gov> wrote:

We've just heard back from FBI. They're interested in helping with this and want to have a discussion on Thursday – as I mentioned, after the other commitments they have. In the meantime we'll try to pursue the helo angle. Since the sightings are reportedly occurring in additional counties (additional jurisdictions) it may be possible to anticipate where they may crop up next – if there is a systematic pattern.
claudio

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 1:45 PM
To: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>
Cc: Newman, Philip (FAA) <Philip.Newman@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Great, thanks!
R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:42 PM, Manno, Claudio (FAA) <Claudio.Manno@faa.gov> wrote:

(b) (5)
We'll see. In the meantime we'll ask Bam to pose the question on whether local law enforcement is able to use air assets to try to track their landing location. claudio

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 1:37 PM
To: Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thanks, Phil. The team continues to try to work available leads, but I am not sure what else we can do at this point beyond that.

The one other option I see would be to try to get local LE to put up helo assets to try to track the UAS back to where they land...there are a couple of risks with that, but we can certainly suggest it. Claudio/Josh, can you talk with Bam about discussing this with local LE or trying to get FBI involved with detection assets? Thanks!

Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:30 PM, Newman, Philip (FAA) <Philip.Newman@faa.gov> wrote:

Just an update from Senator Gardner's office. They are hearing from the local farm bureau that the drones have been disturbing cattle operations and may have caused injuries, and that the drones are flying closely to some of the general aviation airports in the area.

They may elevate this to a call from the Senator to the Administrator given the level of concern in the area. They are also just concerned that it's taking this long to identify such a large number of drones.

Please let me know if there is anything else I can report.

Philip Newman
Federal Aviation Administration
U.S. Department of Transportation

On Dec 31, 2019, at 1:23 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Outstanding, Jess. Thanks!
R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:17 PM, Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov> wrote:

Update: We confirmed the University of Colorado had no flights in the subject area.

Sent from my iPhone

On Dec 30, 2019, at 9:37 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Good evening,
Most, if not all, of you have been involved in trying to pull the thread on what may be the cause of the multiple reports of multiple drones conducting "grid work" in the evening in various parts of Colorado and Nebraska, as reporting by several new outlets over the last 4-5 days. In addition, we received an inquiry from Colorado Senator Gardner's staff as well. Below is what has occurred and what actions are still in train by ASH, AVS, and ATO.

Multiple FAA offices (ASH, AFS and ATO) have been looking into this issue since late last week when an article appeared in Denver paper. Here are the actions FAA has taken and what we have found to date:

1. **Local LE Engagement:** ASH Law Enforcement Assistance Program (LEAP) agent has

spoken with Sheriffs from Washington, Lincoln, and Yuma Counties to gather additional information and provide assistance. From this interaction, we have learned that reports have been received from both law enforcement and local citizens with Washington County Sheriff, (b) (6), and his Deputy providing first-hand accounts. Each agency contacted advised at least one deputy has witnessed the activity. The activity reported occurs primarily between the hours of 1800 and 2200 MST and demonstrate the pattern of multiple “drones” flying a grid type pattern and remaining airborne for several hours at a time in less than optimum flying conditions (high winds and storm-like conditions). The number of drones reported operating at one range from between 2 and 16 and appear to be approximately 6 feet width and length. Flight time has been 2 to 3 hours continuous. All reports indicate flight is between 200 and 300 feet. However several people interviewed stated it was hard to determine height due to the darkness and lack of clouds. Other sightings lights were also reported to be either flashing or steady white, red, or green. One report mentioned flashing blue lights. They have not been described as operating in a manner that place persons on the ground in danger. Reports are extending in a southerly direction with activity continuing in the original two counties. Lincoln County is the latest county to report activity.

—Since the reports are now in the national news, the sheriffs and other law enforcement have been inundated with calls. Law Enforcement has been consistent in stating that no Colorado criminal codes have been violated, and there is no confirmation that these observables are UAS.

—The Sheriffs are having a Conference next week in Lynnwood, CO. They have asked the LEAP agent to attend the Conference and work with the Local Law Enforcement on training and education.

— The ASH LEAP agent researched out to one company, (b) (5), (b) (6), that has the capability and capacity to fly extended hours as observed and was granted a 107.29 night waiver. He just confirmed they are not operating in the areas with reported sightings.

— No operators have been identified yet, but LEAP continues to research options. A list of pipeline co-op users was located. *Calls are being made to inquire about inspection activity.*

—Denver FSDO is also aware of the reports in coordination with LEAP. DEN FSDO has had three reports (not necessarily complaints) of the UAS activity— one on 12/20, and a few more on 12/28 from law enforcement. FSDO determined there is no actionable information or evidence to move forward with any kind of investigation at this time.

—The two leading potential explanations point to possible survey work:

- 1) A new pipeline has been proposed in the Julesburg Basin, an area northeast Colorado on the Colorado/Nebraska border and the counties where the sightings have taken place are adjacent to that basin; and
- 2) Colorado recently enacted more strict EPA-related laws leaving some to speculate that the aircraft are conducting IR surveillance for gas leak detection.

—The Lincoln FSDO has received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. The caller reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29 approximately from 1900-2230 MST. He was unable to get a photo or video. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County.

—There are reports of a (b) (5), (b) (6) truck being in Grant, NE on Sunday, December 29 has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil. (b) (5), (b) (6) *will be contacted (ASH or FSDO?).*

2. **DOD Engagement:** NORTHCOM/NORAD has been contacted and does not have any information, other than they are aware of the reports.

3. **ATO Checks:** ATO System Operations indicated they have not given any authorizations matching this area. The Western Service Center reported they have no “swarm” COAs for that area and are not aware of any special DoD missions of this

nature. There are no Part 107's approvals for this type of operation.

—ATO is *checking with the University of Colorado (CU)* (test site activity), but it appears they are out for the Holidays. *ATO is sifting through the Part 91 blanket COAs* and should have that finished soon. CU has some blanket COAs in that area, but until they finish searching the Part 91 COAs, they cannot be sure if anything operations like this are included.

I will report same up to AOA/ADA. As you close out on the remaining tasks highlighted in bold, italicized, and underlined text, I would ask folks to use this chain to report any additional follow-up to maintain group SA.

Thanks for the great work and coordination!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell



RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>
To: "Loboda, Elena (FAA)" <elena.loboda@faa.gov>, "Simmons, Chaumre (FAA)" <chaumre.simmons@faa.gov>
Cc: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
Date: Tue, 31 Dec 2019 18:21:41 -0500

Thank you both for the assistance! Happy New Year.

From: Loboda, Elena (FAA) <elena.loboda@faa.gov>
Sent: Tuesday, December 31, 2019 2:32 PM
To: Simmons, Chaumre (FAA) <chaumre.simmons@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Cc: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

It is approved
Elena

From: Simmons, Chaumre (FAA) <chaumre.simmons@faa.gov>
Sent: Tuesday, December 31, 2019 2:09 PM
To: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Loboda, Elena (FAA) <elena.loboda@faa.gov>
Cc: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Elena

Will you please final approve Michael Bumberger's Jan 5, 2020 trip to Colorado in E2?

Chaumré Simmons
Management & Program Analyst
Financial Management Staff, AXM-100
Office: 202-267-3414
Mobile: (b) (6)
[Give Us Your Feedback - AXM](#)

From: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Sent: Tuesday, December 31, 2019 2:04 PM
To: Simmons, Chaumre (FAA) <chaumre.simmons@faa.gov>
Cc: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Chaumre,

Thank you for offering to help Bam with his travel ...

Leesa

From: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Sent: Tuesday, December 31, 2019 1:51 PM
To: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thank you... I have been on the phone all morning. Writing up an update and will have that to you very soon.

FYSA, I have to be in Pasadena in a couple of hours for a brief and to get ready for tomorrow's activities. I will be out of pocket but available by cell phone, (b) (6)

Also, my trip for next week is going through the approval cycle, but there is not an AXE800 approver working. Is this something your, Guy, or Josh can approve so it can get ticketed.

Thank you,
Bam

From: Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>
Sent: Tuesday, December 31, 2019 10:47 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>
Subject: FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Bam – I want to keep you in the loop.

From: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>
Sent: Tuesday, December 31, 2019 1:43 PM
To: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>; Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: RE: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

We've already contacted FBI about the feasibility of deploying detection equipment but we don't have an answer back yet. It may be tough to do because they are already stretched covering events in NYC and the Rose Bowl. We'll see. In the meantime we'll ask Bam to pose the question on whether local law enforcement is able to use air assets to try to track their landing location. claudio

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 1:37 PM
To: Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

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Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA

office
(b) (6) cell

On Dec 31, 2019, at 1:30 PM, Newman, Philip (FAA) <Philip.Newman@faa.gov> wrote:

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They may elevate this to a call from the Senator to the Administrator given the level of concern in the area. They are also just concerned that it's taking this long to identify such a large number of drones.

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Federal Aviation Administration
U.S. Department of Transportation

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Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA

202-267-7576 office
(b) (6) cell

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Update: We confirmed the University of Colorado had no flights in the subject area.

Sent from my iPhone

On Dec 30, 2019, at 9:37 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

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—Since the reports are now in the national news, the sheriffs and other law enforcement have been inundated with calls. Law Enforcement has been consistent in stating that no Colorado criminal codes have been violated, and there is no confirmation that these observables are UAS.

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—Denver FSDO is also aware of the reports in coordination with LEAP. DEN FSDO has had three reports (not necessarily complaints) of the UAS activity— one on 12/20, and a few more on 12/28 from law enforcement. FSDO determined there is no actionable information or evidence to move forward with any kind of investigation at this time.

—The two leading potential explanations point to possible survey work:

- 1) A new pipeline has been proposed in the Julesburg Basin, an area northeast Colorado on the Colorado/Nebraska border and the counties where the sightings have taken place are adjacent to that basin; and
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—There are reports of a Pegasus Energy truck being in Grant, NE on Sunday, December 29 has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil. ***Pegasus will be contacted (ASH or FSDO?).***

2. DOD Engagement: NORTHCOM/NORAD has been contacted and does not have any information, other than they are aware of the reports.

3. ATO Checks: ATO System Operations indicated they have not given any authorizations matching this area. The Western Service Center reported they have no "swarm" COAs for that area and are

not aware of any special DoD missions of this nature. There are no Part 107's approvals for this type of operation.

—ATO is *checking with the University of Colorado (CU)* (test site activity), but it appears they are out for the Holidays. *ATO is sifting through the Part 91 blanket COAs* and should have that finished soon. CU has some blanket COAs in that area, but until they finish searching the Part 91 COAs, they cannot be sure if anything operations like this are included.

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Thanks for the great work and coordination!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

Tracy Tenney

Sandy Home Find Friends Groups

Tracy Tenney Timeline 2018 November

Add Friend Follow

Missy Becker Tracy
 Daniel Tenney
 Kent Schlopp

Melissa Hines
 Sabrina Tenney
 Josephine Hines

Kate DeBacco
 Sandy Tenney
 Emma Tenney

Life Events

Started New Job at Trace Tire
 October 2018

Traveled to Cairns, Queensland
 February 7, 2018

10/24/2018

Karen Smith-Casal Thompson: Here's what I thought did you call Shandi...
 Like Reply Retweet

What's up...
 Like Reply Retweet

DeAnn Jones: There are several dishes over French I love I love!
 Like Reply Retweet

Cindy Akeman: We have them in Jaggies also I sold them.
 Like Reply Retweet

Cindy Akeman

Like Reply Retweet

Brad Breakers: A drone just passed over my house headed to the west towards the port of entry.
 Like Reply Retweet

LE Collaboration Meeting, Brush Colorado Regarding CO/NE Drone Activity.

From: (b) (6) @hq.dhs.gov>
To: (b) (6) @nebraska.gov>
Date: Tue, 31 Dec 2019 17:09:32 -0500

Phillips County Sheriff planning to hold a law enforcement collaboration meeting in Brush, Colorado at Petty's Park, on Monday, 6 Jan 2020 at 1000 hrs Mountain Standard Time.

Chief Deputy (b) (6), Perkins County Sheriff's Office, Imperial, NE.

(b) (6)
(b) (6)
U. S. Department of Homeland Security
Lincoln, NE
(b) (6) .gov
(b) (6)

Fwd: Drone activity in Colorado/Nebraska

From: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>
Cc: "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>
Date: Thu, 02 Jan 2020 07:44:49 -0500

For your SA. I am not sure whether the FSDOs are "coordinating" with LE or just LE are sending them reporting. Definitely need to ensure we are plugged into as much of the LE reporting as we can. Thanks.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration
Call: (b) (6)
Cell: (b) (6)
Office: (b) (6) 980
Sent from my iPad

Begin forwarded message:

From: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Date: January 2, 2020 at 07:35:48 EST
To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Manno, Claudio (FAA)" <Claudio.Manno@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Please read summary below. A lot of LE engagement by FSDO—hope it is coordinated with Bam/Craig. This description of a woman in a hijab and the "sack" situation are new wrinkles.

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA

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

Begin forwarded message:

From: "Linsennmeyer, John (FAA)" <John.Linsennmeyer@faa.gov>
To: "Domingo, Rick (FAA)" <Rick.Domingo@faa.gov>, "Carty, Robert (FAA)" <Robert.Carty@faa.gov>, "Fields, Lawrence (FAA)" <lawrence.fields@faa.gov>, "Hayes, Randa (FAA)" <randa.hayes@faa.gov>, "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Fyi

John Linsennmeyer
FAA Flight Standards Service
202-267-3060

Begin forwarded message:

From: "Sanford, Michael (FAA)" <michael.sanford@faa.gov>
Date: December 31, 2019 at 6:54:20 PM EST
To: "Winston, Thomas (FAA)" <Thomas.Winston@faa.gov>, "Zimmerman, Roger N (FAA)" <Roger.N.Zimmerman@faa.gov>, "Linsennmeyer, John (FAA)" <John.Linsennmeyer@faa.gov>
Cc: "Thomas, Eric A (FAA)" <eric.a.thomas@faa.gov>, "Fry, Wayne P (FAA)" <wayne.p.fry@faa.gov>, "DeGuzman, Hardie H (FAA)" <Hardie.H.DeGuzman@faa.gov>, "Kerns, Julie (FAA)" <Julie.Kerns@faa.gov>, "Ogden, Dale (FAA)" <Dale.Ogden@faa.gov>, "Thurston, Kyle (FAA)" <Kyle.Thurston@faa.gov>, "Osborn, Daniel R (FAA)" <Daniel.R.Osborn@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Mr. Winston,

I am doing a "Reply All" to get all of the below information out to as many folks who may need it as quickly as possible.

The information concerning the drone activity in Eastern Colorado and Western Nebraska has been flowing into the office all day in starts and stops. Following is a synopsis of the information we currently have. A lot of the information is mostly identical and from multiple sources so I will do some generalities.

There have been reports of strange drone activities in multiple counties in Eastern Colorado and Western Nebraska, all describing roughly the same activity. From what we understand, the first potential reports were around December 17.

The Lincoln FSDO now has reports where witnesses describe the same type of activity in 4 Nebraska counties that border Colorado and Kansas. Those counties are Perkins and Chase that both border Colorado. Dundy which borders Colorado and Kansas. Hitchcock which borders Kansas.

All of the reports concern large numbers of drones operating at night (some estimates from last night of 30-50) in "clusters" or formations and that they are operating in coordination. Most indicate they seem to be following a grid pattern. Some citizens have reported that they felt threatened by the drones when they started to observe them. Some reports state the drones are hovering over vehicles.

The drones are reported to have 6' wingspans and there are several reports that indicate the drones are operating in coordination with a "Big Drone" that may be stationary in the area. There is also an unverified report of the larger "drone" potentially landing and taking back off from an airport in Imperial, Nebraska. (Chase County). This larger drone, also described as a "Mother Ship", is said to hover while all the others fly around in close proximity. The large drone, as described, is about 5-6 feet in diameter with a cylindrical shape and a red front.

A Sheriff in Sterling Colorado reported: "Citizen reported seeing 2 white panel vans at gas station along interstate (in that area). (I-75) Person said saw drones in van. Went inside and started talking about drones. Person inside seemed to get nervous and left. Woman wearing hijab came inside to pay and vans left. They are trying to get security video from gas station dealing with a different county."

The Chase County, Nebraska Sheriff's office reported running the plate on a white panel van seen in the area of drone activity. The tag came back as registered to a wholesale florist in Denver, Colorado. They did not pull the van over.

We received another report from the Sheriff of Hitchcock County, Nebraska in the Lincoln, FSDO general mailbox:

"On December 30, 2019, the Hitchcock County Sheriff's Office received a citizens report of a cluster of drones numbering up to 20 flying a v shape formation near mile marker 55 above US Highway 34 between Stra... n, Nebraska. The time frame was 6:20 P.M. C.S.T. There have been several other "facebook" posts from citizens throughout Hitchcock County claiming to have seen several drones in formation on the evening of the 30th. Sincerely, (b) (6) Hitchcock County Sheriff."

The Chase County Sheriff's Office sent us photographs of odd plastic nets filled with gelatin substance said to have been found along roads where drones were operating, spaced about 100' apart. They are unsure if there are any in nearby fields. (Photos attached) The Perkins County, Nebraska Sheriff has some of the material for the FBI to collect for lab analysis. The "sacks" are reported to weigh approximately 20lb each. We have no confirmation the "sacks" are related to the drone activity. Local law enforcement in the affected areas are suspicious of them and their placing.

I just received another report from our AST, Julie Kerns, who has a contact in Perkins County, Nebraska. Citizens are getting somewhat agitated. The contact stated: "Sorry to bother you late, but if you get on Perkins County, Nebraska Facebook, there are two videos. Can't see much other than blinking light but you can hear the sound on one video pretty good. It appears there could have been 50-60 or more between all the reports. Now people are thinking military and maybe the FAA won't fess up. Nothing else can explain the dollars required to pull it off. NOTAMS, center has nothing on radar, and to do this on the sly at night. It's on all the major news networks so I guess we'll see if they are brave enough to try again tonight"

We have received only one media call and we referred the caller to Public Affairs.

My apologies for the long read. There is a lot of information moving around and I wanted to include as much as possible in the shortest format possible.

If you have any questions, please do not hesitate to reach out at any time.

Best Regards,
Mike

Michael W. Sanford
Aviation Safety
LNK FSDO CE/09
Front Line Manager - A
402-458-7807 (Desk) (b) (6) (Cell)

"In flying, I have learned that carelessness and overconfidence are usually far more dangerous than deliberately accepted risks."
— Wilbur Wright in a letter to his father, September 1900.

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Tuesday, December 31, 2019 12:45 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Linsennmeyer, John (FAA) <John.Linsennmeyer@faa.gov>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger, Happy New Year.

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>
Sent: Tuesday, December 31, 2019 11:47 AM
To: Linsennmeyer, John (FAA) <John.Linsennmeyer@faa.gov>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov>;
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

John and Thomas,

We contacted (b) (6) and they DO NOT operate drones in the winter. So, this was a bust. If we learn of any other leads we will be in touch. I'm handing the remainder of today to AST Julie Kerns, FLMs Daniel R Osborn and Mike Sanford.

Roger

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Sent: Tuesday, December 31, 2019 10:33 AM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov>;
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kems, Julie (FAA) <Julie.Kems@faa.gov>; Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger and Julie. Please keep us posted on what you learn from (b) (5).

John Linsenmeyer
FAA Flight Standards Service
John.Linsenmeyer@faa.gov
202-267-3060

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>
Sent: Tuesday, December 31, 2019 11:28 AM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>;
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kems, Julie (FAA) <Julie.Kems@faa.gov>; Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Mr. Winston and Mr. Linsenmeyer,

I believe we may have tracked the Drone operator, thanks to our terrific investigative work by AST Julie Kerns. See attached.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Zimmerman, Roger N (FAA)
Sent: Monday, December 30, 2019 3:00 PM
To: Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>;
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kems, Julie (FAA) <Julie.Kems@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Just received from our AST reference the "Drone Activity";

Received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. Gentleman reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29th approximately from 7:00 pm to 10 or 10:30 MST. He was unable to get a photo or video.

Reports of (b) (5) truck being in Grant, NE on Sunday, December 29th has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil.

The caller stated he would provide a statement. I asked if he talked to other witnesses to have them reach out to this office as well.

The caller does have an aviation background; he is a private pilot.
Grant is the county seat of Perkins County had a population of 1,165 in 2010. The county population was 2,970 in 2010.

This was reported to AST Julie Kerns.

Have a blessed day.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>
Sent: Monday, December 30, 2019 1:36 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>;
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thomas,

The first we heard of anything of this issue was from an initial report on December 20th, and then Denver FSDO received a few more reports from Law Enforcement two days ago. As of right now we do not have any actionable information or evidence to move forward with any kind of investigation. If anyone else has something, we will look into the matter. I will reach out to the personnel in the FSDO to see if they have heard anything and not brought it to our attention.

Thanks,

Dale Ogdan
Aviation Safety
Flight Standards Service
Manager, Denver Flight Standards District Office & Caspe
303-342-1101; 800-847-3808; FAX 303-342-1176; Cell (b) (6)
dale.ogdan@faa.gov

Denver FSDO Values
SERVICE
Provide polite and timely service to public and colleagues
EXCELLENCE
Reflect on today and seek improvement tomorrow
INTEGRITY
Do the right thing even when it is difficult

We are committed to service, please take a few minutes to visit the website below and provide your feedback on our performance. Use the Flight Standards Office drop down to select "Flight Standard District Office (FSDO), Denver FSDO (NM03)" and enter your comments. Please select "Service Provided" if one of these areas applies, otherwise omit it. Thank you.

http://www.faa.gov/about/office/org/headquarters_offices/avs/offices/afsf/qms/

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Monday, December 30, 2019 12:07 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: FW: Drone activity in Colorado/Nebraska

FYI

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Sent: Monday, December 30, 2019 2:02 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov>; Viola, James (FAA) <James.Viola@faa.gov>; Marshall, Tony (FAA) <tony.marshall@faa.gov>; Cappel, Erin (FAA) <erin.cappel@faa.gov>;
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Holmes, Craig (FAA) <craig.holmes@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Thomas. AOA chief of staff is requesting ASAP priority on this, need a quick turn if possible.

John Linsenmeyer
FAA Flight Standards Service
John.Linsenmeyer@faa.gov
202-267-3060

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Monday, December 30, 2019 1:30 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov>; Viola, James (FAA) <James.Viola@faa.gov>; Marshall, Tony (FAA) <tony.marshall@faa.gov>; Cappel, Erin (FAA) <erin.cappel@faa.gov>;
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Holmes, Craig (FAA) <craig.holmes@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov>; Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Hi John:
I will check with our Denver and Des Moines FSDO.

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Sent: Monday, December 30, 2019 1:21 PM
To: Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov>; Viola, James (FAA) <James.Viola@faa.gov>; Marshall, Tony (FAA) <tony.marshall@faa.gov>; Cappel, Erin (FAA) <erin.cappel@faa.gov>;
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Ogdan, Dale (FAA) <Dale.Ogdan@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Holmes, Craig (FAA) <craig.holmes@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov>
Subject: FW: Drone activity in Colorado/Nebraska

Hello GASA, please advise and cc: all if you have any info to share.
Thanks!

John Linsenmeyer
FAA Flight Standards Service
John.Linsenmeyer@faa.gov
202-267-3060

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>
Sent: Monday, December 30, 2019 11:11 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

AUS appreciates your feedback<http://www.faa.gov/about/office_org/headquarters_offices/avs/stakeholder_feedback/aus/>
(Please select: UAS Safety and Integration Division AUS-400)

From: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<mailto:elizabeth.forro@faa.gov>>
Sent: Monday, December 30, 2019 12:56 PM
To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>; Marks, Julie (FAA) <julie.marks@faa.gov<mailto:julie.marks@faa.gov>>; Hartman, Nicole (FAA) <nicole.hartman@faa.gov<mailto:nicole.hartman@faa.gov>>; Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov<mailto:Emanuel.Cruz@faa.gov>>
Cc: Amend, Erik (FAA) <Erik.Amend@faa.gov<mailto:Erik.Amend@faa.gov>>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov<mailto:Bill.Crozier@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

400 team – any ideas?

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6) faa.gov<mailto:Elizabeth.Forro@faa.gov>
www.faa.gov/uas<<http://www.faa.gov/uas>>

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov<mailto:Angela.H.Stubblefield@faa.gov>>
Sent: Monday, December 30, 2019 12:53 PM
To: Hayes, Randa (FAA) <randa.hayes@faa.gov<mailto:randa.hayes@faa.gov>>; Carty, Robert (FAA) <Robert.Carty@faa.gov<mailto:Robert.Carty@faa.gov>>; Amend, Erik (FAA) <Erik.Amend@faa.gov<mailto:Erik.Amend@faa.gov>>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<mailto:elizabeth.forro@faa.gov>>
Subject: Drone activity in Colorado/Nebraska

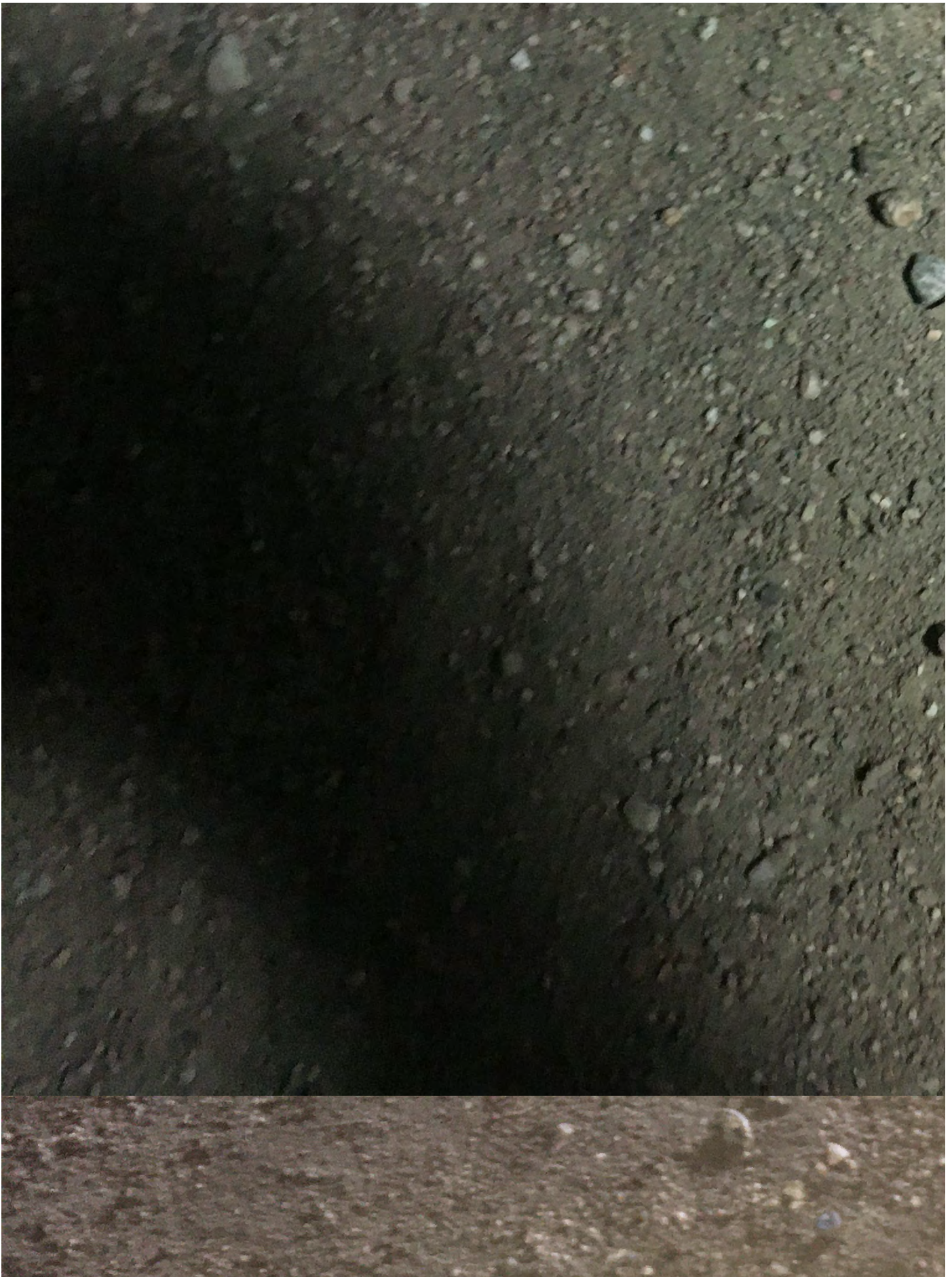
<https://www.google.com/amp/s/www.foxnews.com/us/colorado-nebraska-sheriffs-puzzled-by-nocturnal-drone-flights.amp>

The Chief of Staff for Senator Gardner from Colorado is asking about this. ASH LEAP and ATO are checking their data—would AUS or AFS have any info on this activity? Please let me know soonest as I may have a call with them today.

R/
Angela
Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone
<Odd Sack in vicinity of drone activity.JPG>
<Odd Sack in vicinity of drone activity2.JPG>













RE: Drone activity in Colorado/Nebraska

From: "Burns, Craig (FAA)" <craig.burns@faa.gov>
To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>
Cc: "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>
Date: Thu, 02 Jan 2020 08:19:50 -0500

I was helping Bam monitor this all day yesterday and came across this Facebook page:
DRONE over northeastern COLORADO. It's a public group so it can be read. I gave him the info.

Spoke to him last night and he was receiving a number of calls

On another note, it appears Reuters and some other feeds have picked up the story. I would assume it's gone international.

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program

(b) (6)

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From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 2, 2020 5:45 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Burns, Craig (FAA) <Craig.Burns@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

For your SA. I am not sure whether the FSDOs are "coordinating" with LE or just LE are sending them reporting. Definitely need to ensure we are plugged into as much of the LE reporting as we can. Thanks.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration
Cell: (b) (6)
Cell: (b) (6)
Office: 202-267-7980
Sent from my iPad

Begin forwarded message:

From: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Date: January 2, 2020 at 07:35:48 EST
To: "Holtzman, Joshua (FAA)" <Joshua.Holtzman@faa.gov>, "Manno, Claudio (FAA)" <Claudio.Manno@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Please read summary below. A lot of LE engagement by FSDO—hope it is coordinated with Bam/Craig. This description of a woman in a hijab and the "sack" situation are new wrinkles.

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

Begin forwarded message:

From: "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
To: "Domingo, Rick (FAA)" <Rick.Domingo@faa.gov>, "Carty, Robert (FAA)" <Robert.Carty@faa.gov>, "Fields, Lawrence (FAA)" <lawrence.fields@faa.gov>, "Hayes, Randa (FAA)" <randa.hayes@faa.gov>, "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Fyi

John Linsenmeyer
FAA Flight Standards Service
202-267-3060

Begin forwarded message:

From: "Sanford, Michael (FAA)" <michael.sanford@faa.gov>
Date: December 31, 2019 at 6:54:20 PM EST
To: "Winston, Thomas (FAA)" <Thomas.Winston@faa.gov>, "Zimmerman, Roger N (FAA)" <Roger.N.Zimmerman@faa.gov>, "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
Cc: "Thomas, Eric A (FAA)" <eric.a.thomas@faa.gov>, "Fry, Wayne P (FAA)" <wayne.p.fry@faa.gov>, "DeGuzman, Hardie H (FAA)" <Hardie.H.DeGuzman@faa.gov>, "Kerns, Julie (FAA)" <Julie.Kerns@faa.gov>, "Ogden, Dale (FAA)" <Dale.Ogden@faa.gov>, "Thurston, Kyle (FAA)" <Kyle.Thurston@faa.gov>, "Osborn, Daniel R (FAA)" <Daniel.R.Osborn@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Mr. Winston,

I am doing a "Reply All" to get all of the below information out to as many folks who may need it as quickly as possible.

The information concerning the drone activity in Eastern Colorado and Western Nebraska has been flowing into the office all day in starts and stops. Following is a synopsis of the information we currently have. A lot of the information is mostly identical and from multiple sources so I will do some generalities.

There have been reports of strange drone activities in multiple counties in Eastern Colorado and Western Nebraska, all describing roughly the same activity. From what we understand, the first potential reports were around December 17.

The Lincoln FSDO now has reports where witnesses describe the same type of activity in 4 Nebraska counties that border Colorado and Kansas. Those counties are: Perkins and Chase that both boarder Colorado. Dundy which borders Colorado and Kansas. Hitchcock which borders Kansas.

All of the reports concern large numbers of drones operating at night (some estimates from last night of 30-50) in "clusters" or formations and that they are operating in coordination. Most indicate they seem to be following a grid pattern. Some citizens have reported that they felt threatened by the drones when they started to observe them. Some reports state the drones are hovering over vehicles.

The drones are reported to have 6' wingspans and there are several reports that indicate the drones are operating in coordination with a "Big Drone" that may be stationary in the area. There is also an unverified report of the larger "drone" potentially landing and taking back off from an airport in Imperial, Nebraska. (Chase County). This larger drone, also described as a "Mother Ship", is said to hover while all the others fly around in close proximity. The large drone, as described, is about 5-6 feet in diameter with a cylindrical shape and a red front.

A Sheriff in Sterling Colorado reported: "Citizen reported seeing 2 white panel vans at gas station along interstate (in that area). (I-75) Person said saw drones in van. Went inside and started talking about drones. Person inside seemed to get nervous and left. Woman wearing hajib came inside to pay and vans left. They are trying to get security video from gas station dealing with a different county."

The Chase County, Nebraska Sheriff's office reported running the plate on a white panel van seen in the area of drone activity. The tag came back as registered to a wholesale florist in Denver, Colorado. They did not pull the van over.

We received another report from the Sheriff of Hitchcock County, Nebraska in the Lincoln, FSDO general mailbox: "On December 30, 2019, the Hitchcock County Sheriff's Office received a citizens report of a cluster of drones numbering up to 20 flying a v shape formation near mile marker 55 above US Highway 34 between Stratton and Trenton, Nebraska. The time frame was 6:20 P.M. C.S.T. There have been several other "facebook" posts from citizens throughout Hitchcock County claiming to have seen several drones in formation on the evening of the 30th. Sincerely, (b) (6), Hitchcock County Sheriff."

The Chase County Sheriff's Office sent us photographs of odd plastic nets filled with gelatin substance said to have been found along roads where drones were operating, spaced about 100' apart. They are unsure if there are any in nearby fields. (Photos attached) The Perkins County, Nebraska Sheriff has some of the material for the FBI to collect for lab analysis. The "sacks" are reported to weigh approximately 20lb each. We have no confirmation the "sacks" are related to the drone activity. Local law enforcement in the affected areas are suspicious of them and their placing.

I just received another report from our AST, Julie Kerns, who has a contact in Perkins County, Nebraska. Citizens are getting somewhat agitated. The contact stated: "Sorry to bother you late, but if you get on Perkins County, Nebraska Facebook, there are two videos. Can't see much other than blinking light but you can hear the sound on one video pretty good. It appears there could have been 50-60 or more between all the reports. Now people are thinking military and maybe the FAA won't fess up. Nothing else can explain the dollars required to pull it off. NOTAMs, center has nothing on radar, and to do this on the sly at night. It's on all the major news networks so I guess we'll see if they are brave enough to try again tonight"

We have received only one media call and we referred the caller to Public Affairs.

My apologies for the long read. There is a lot of information moving around and I wanted to include as much as possible in the shortest format possible.

If you have any questions, please do not hesitate to reach out at any time.

Best Regards,
Mike

Michael W. Sanford
Aviation Safety
LNK FSDO CE-09
Front Line Manager - Airworthiness
402-458-7807 (Desk) (b) (6) (Cell)

“In flying, I have learned that carelessness and overconfidence are usually far more dangerous than deliberately accepted risks.”
— Wilbur Wright in a letter to his father, September 1900.

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Tuesday, December 31, 2019 12:45 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger, Happy New Year.

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov><<mailto:Roger.N.Zimmerman@faa.gov>>>
Sent: Tuesday, December 31, 2019 11:47 AM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov><<mailto:John.Linsenmeyer@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov><<mailto:Thomas.Winston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov><<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov><<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov><<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov><<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov><<mailto:Kyle.Thurston@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov><<mailto:Daniel.R.Osborn@faa.gov>>>; Sanford, Michael (FAA) <michael.sanford@faa.gov><<mailto:michael.sanford@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

John and Thomas,

We contacted (b) (6) and they DO NOT operate drones in the winter. So, this was a bust. If we learn of any other leads we will be in touch. I'm handing the remainder of today to AST Julie Kerns, FLMs Daniel R Osborn and Mike Sanford.

Roger

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov><<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Tuesday, December 31, 2019 10:33 AM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov><<mailto:Roger.N.Zimmerman@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov><<mailto:Thomas.Winston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov><<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov><<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov><<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov><<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov><<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger and Julie. Please keep us posted on what you learn from (b) (5), (b) (6).

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov><<mailto:Roger.N.Zimmerman@faa.gov>>>
Sent: Tuesday, December 31, 2019 11:28 AM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov><<mailto:Thomas.Winston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov><<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov><<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov><<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov><<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov><<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov><<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Mr. Winston and Mr. Linsenmeyer,

I believe we may have tracked the Drone operator, thanks to our terrific investigative work by AST Julie Kerns. See attached.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Zimmerman, Roger N (FAA)
Sent: Monday, December 30, 2019 3:00 PM
To: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<<mailto:Julie.Kerns@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Just received from our AST reference the "Drone Activity";

Received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. Gentleman reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29th approximately from 7:00 pm to 10 or 10:30 MST. He was unable to get a photo or video.

Reports of (b) (5), (b) truck being in Grant, NE on Sunday, December 29th has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil.

The caller stated he would provide a statement. I asked if he talked to other witnesses to have them reach out to this office as well. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County had a population of 1,165 in 2010. The county population was 2,970 in 2010.

This was reported to AST Julie Kerns.

Have a blessed day.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>
Sent: Monday, December 30, 2019 1:36 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thomas,

The first we heard of anything of this issue was from an initial report on December 20th, and then Denver FSDO received a few more reports from Law Enforcement two days ago. As of right now we do not have any actionable information or evidence to move forward with any kind of investigation. If anyone else has something, we will look into the matter. I will reach out to the personnel in the FSDO to see if they have heard anything and not brought it to our attention.

Thanks,

Dale Ogden
Aviation Safety
Flight Standards Service
Manager, Denver Flight Standards District Office & Casper Flight Standards Field Office
303-342-1101; 800-847-3808; FAX 303-342-1176; Cell (b) (6)
dale.ogden@faa.gov<<mailto:dale.ogden@faa.gov>>

Denver FSDO Values
SERVICE
Provide polite and timely service to public and colleagues
EXCELLENCE
Reflect on today and seek improvement tomorrow
INTEGRITY
Do the right thing even when it is difficult

We are committed to service, please take a few minutes to visit the website below and provide your feedback on our performance.

Use the Flight Standards Office drop down to select "Flight Standard District Office (FSDO), Denver FSDO (NM03)" and enter your comments. Please select "Service Provided" if one of these areas applies, otherwise omit it. Thank you.

http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/qms/

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Sent: Monday, December 30, 2019 12:07 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

FYI

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Monday, December 30, 2019 2:02 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony_marshall@faa.gov<mailto:tony_marshall@faa.gov>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Thomas. AOA chief of staff is requesting ASAP priority on this, need a quick turn if possible.

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Sent: Monday, December 30, 2019 1:30 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony_marshall@faa.gov<mailto:tony_marshall@faa.gov>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Hi John:

I will check with our Denver and Des Moines FSDO.

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Monday, December 30, 2019 1:21 PM
To: Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony_marshall@faa.gov<mailto:tony_marshall@faa.gov>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

Hello GASA, please advise and cc: all if you have any info to share.
Thanks!

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>
Sent: Monday, December 30, 2019 1:11 PM

To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

AUS appreciates your feedback<http://www.faa.gov/about/office_org/headquarters_offices/avs/stakeholder_feedback/aus/>
(Please select: UAS Safety and Integration Division AUS-400)

From: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<mailto:elizabeth.forro@faa.gov>>
Sent: Monday, December 30, 2019 12:56 PM
To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>; Marks, Julie (FAA) <julie.marks@faa.gov<mailto:julie.marks@faa.gov>>; Hartman, Nicole (FAA) <nicole.hartman@faa.gov<mailto:nicole.hartman@faa.gov>>; Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov<mailto:Emanuel.Cruz@faa.gov>>
Cc: Amend, Erik (FAA) <Erik.Amend@faa.gov<mailto:Erik.Amend@faa.gov>>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov<mailto:Bill.Crozier@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

400 team – any ideas?

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6)
Elizabeth.Forro@faa.gov<mailto:Elizabeth.Forro@faa.gov>
www.faa.gov/uas<<http://www.faa.gov/uas>>

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov<mailto:Angela.H.Stubblefield@faa.gov>>
Sent: Monday, December 30, 2019 12:53 PM
To: Hayes, Randa (FAA) <randa.hayes@faa.gov<mailto:randa.hayes@faa.gov>>; Carty, Robert (FAA) <Robert.Carty@faa.gov<mailto:Robert.Carty@faa.gov>>; Amend, Erik (FAA) <Erik.Amend@faa.gov<mailto:Erik.Amend@faa.gov>>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<mailto:elizabeth.forro@faa.gov>>
Subject: Drone activity in Colorado/Nebraska

<https://www.google.com/amp/s/www.foxnews.com/us/colorado-nebraska-sheriffs-puzzled-by-nocturnal-drone-flights.amp>

The Chief of Staff for Senator Gardner from Colorado is asking about this. ASH LEAP and ATO are checking their data—would AUS or AFS have any info on this activity? Please let me know soonest as I may have a call with them today.

R/
Angela
Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone
<Odd Sack in vicinity of drone activity.JPG>
<Odd Sack in vicinity of drone activity2.JPG>

RE: Drone activity in Colorado/Nebraska

From: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>
To: "Burns, Craig (FAA)" <craig.burns@faa.gov>, "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>
Cc: "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>
Date: Thu, 02 Jan 2020 08:41:37 -0500

Thanks Craig. This "mystery" has certainly gotten national attention so not surprised if this goes international or viral on the internet.
Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Burns, Craig (FAA) <Craig.Burns@faa.gov>
Sent: Thursday, January 02, 2020 8:20 AM
To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

I was helping Bam monitor this all day yesterday and came across this Facebook page:
DRONE over northeastern COLORADO. It's a public group so it can be read. I gave him the info.

Spoke to him last night and he was receiving a number of calls

On another note, it appears Reuters and some other feeds have picked up the story. I would assume it's gone international.

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program
(b) (6)

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From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 2, 2020 5:45 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Burns, Craig (FAA) <Craig.Burns@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

For your SA. I am not sure whether the FSDOs are "coordinating" with LE or just LE are sending them reporting. Definitely need to ensure we are plugged into as much of the LE reporting as we can. Thanks.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration
Cell: (b) (6)
Cell: (b) (6)
Office: 202-267-7980
Sent from my iPad

Begin forwarded message:

From: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Date: January 2, 2020 at 07:35:48 EST
To: "Holtzman, Joshua (FAA)" <Joshua.Holtzman@faa.gov>, "Manno, Claudio (FAA)" <Claudio.Manno@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Please read summary below. A lot of LE engagement by FSDO—hope it is coordinated with Bam/Craig. This description of a woman in a hijab and the “sack” situation are new wrinkles.

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

Begin forwarded message:

From: "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
To: "Domingo, Rick (FAA)" <Rick.Domingo@faa.gov>, "Carty, Robert (FAA)" <Robert.Carty@faa.gov>, "Fields, Lawrence (FAA)" <lawrence.fields@faa.gov>, "Hayes, Randa (FAA)" <randa.hayes@faa.gov>, "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Fyi

*John Linsenmeyer
FAA Flight Standards Service
202-267-3060*

Begin forwarded message:

From: "Sanford, Michael (FAA)" <michael.sanford@faa.gov>
Date: December 31, 2019 at 6:54:20 PM EST
To: "Winston, Thomas (FAA)" <Thomas.Winston@faa.gov>, "Zimmerman, Roger N (FAA)" <Roger.N.Zimmerman@faa.gov>, "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
Cc: "Thomas, Eric A (FAA)" <eric.a.thomas@faa.gov>, "Fry, Wayne P (FAA)" <wayne.p.fry@faa.gov>, "DeGuzman, Hardie H (FAA)" <Hardie.H.DeGuzman@faa.gov>, "Kerns, Julie (FAA)" <Julie.Kerns@faa.gov>, "Ogden, Dale (FAA)" <Dale.Ogden@faa.gov>, "Thurston, Kyle (FAA)" <Kyle.Thurston@faa.gov>, "Osborn, Daniel R (FAA)" <Daniel.R.Osborn@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Mr. Winston,

I am doing a “Reply All” to get all of the below information out to as many folks who may need it as quickly as possible.

The information concerning the drone activity in Eastern Colorado and Western Nebraska has been flowing into the office all day in starts and stops. Following is a synopsis of the information we currently have. A lot of the information is mostly identical and from multiple sources so I will do some generalities.

There have been reports of strange drone activities in multiple counties in Eastern Colorado and Western Nebraska, all describing roughly the same activity. From what we understand, the first potential reports were around December 17.

The Lincoln FSDO now has reports where witnesses describe the same type of activity in 4 Nebraska counties that border Colorado and Kansas. Those counties are: Perkins and Chase that both border Colorado. Dundy which borders Colorado and Kansas. Hitchcock which borders Kansas.

All of the reports concern large numbers of drones operating at night (some estimates from last night of 30-50) in “clusters” or formations and that they are operating in coordination. Most indicate they seem to be following a grid pattern. Some citizens have reported that they felt threatened by the drones when they started to observe them. Some reports state the drones are hovering over vehicles.

The drones are reported to have 6’ wingspans and there are several reports that indicate the drones are operating in coordination with a “Big Drone” that may be stationary in the area. There is also an unverified report of the larger “drone” potentially landing and taking back off from an airport in Imperial, Nebraska. (Chase County). This larger drone, also described as a “Mother Ship”, is said to hover while all the others fly around in close proximity. The large drone, as described, is about 5-6 feet in diameter with a cylindrical shape and a red front.

A Sheriff in Sterling Colorado reported: “Citizen reported seeing 2 white panel vans at gas station along interstate (in that area). (I-75) Person said saw drones in van. Went inside and started talking about drones. Person inside seemed to get nervous and left. Woman wearing hijab came inside to pay and vans left. They are trying to get security video from gas station dealing with a different county.”

The Chase County, Nebraska Sheriff’s office reported running the plate on a white panel van seen in the area of drone activity. The tag came back as registered to a wholesale florist in Denver, Colorado. They did not pull the van over.

We received another report from the Sheriff of Hitchcock County, Nebraska in the Lincoln, FSDO general mailbox: “On December 30, 2019, the Hitchcock County Sheriff’s Office received a citizens report of a cluster of drones numbering up to 20 flying a v shape formation near mile marker 55 above US Highway 34 between Stratton and Trenton, Nebraska. The time frame was 6:20 P.M. C.S.T. There have been several other “facebook” posts from citizens throughout Hitchcock County claiming to have seen

several drones in formation on the evening of the 30th. Sincerely, (b) (6), Hitchcock County Sheriff.”

The Chase County Sheriff's Office sent us photographs of odd plastic nets filled with gelatin substance said to have been found along roads where drones were operating, spaced about 100' apart. They are unsure if there are any in nearby fields. (Photos attached) The Perkins County, Nebraska Sheriff has some of the material for the FBI to collect for lab analysis. The “sacks” are reported to weigh approximately 20lb each. We have no confirmation the “sacks” are related to the drone activity. Local law enforcement in the affected areas are suspicious of them and their placing.

I just received another report from our AST, Julie Kerns, who has a contact in Perkins County, Nebraska. Citizens are getting somewhat agitated. The contact stated: “Sorry to bother you late, but if you get on Perkins County, Nebraska Facebook, there are two videos. Can't see much other than blinking light but you can hear the sound on one video pretty good. It appears there could have been 50-60 or more between all the reports. Now people are thinking military and maybe the FAA won't fess up. Nothing else can explain the dollars required to pull it off. NOTAMs, center has nothing on radar, and to do this on the sly at night. It's on all the major news networks so I guess we'll see if they are brave enough to try again tonight”

We have received only one media call and we referred the caller to Public Affairs.

My apologies for the long read. There is a lot of information moving around and I wanted to include as much as possible in the shortest format possible.

If you have any questions, please do not hesitate to reach out at any time.

Best Regards,
Mike

Michael W. Sanford
Aviation Safety
LNK FSDO CE-09
Front Line Manager - Airworthiness
402-458-7807 (Desk) (b) (6) (Cell)

“In flying, I have learned that carelessness and overconfidence are usually far more dangerous than deliberately accepted risks.”
— Wilbur Wright in a letter to his father, September 1900.

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Tuesday, December 31, 2019 12:45 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger, Happy New Year.

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>
Sent: Tuesday, December 31, 2019 11:47 AM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<mailto:eric.a.thomas@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<mailto:Julie.Kerns@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<mailto:Daniel.R.Osborn@faa.gov>>; Sanford, Michael (FAA) <michael.sanford@faa.gov<mailto:michael.sanford@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

John and Thomas,

We contacted (b) (5), and they DO NOT operate drones in the winter. So, this was a bust. If we learn of any other leads we will be in touch. I'm handing the remainder of today to AST Julie Kerns, FLMs Daniel R Osborn and Mike Sanford.

Roger

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Sent: Tuesday, December 31, 2019 10:33 AM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<mailto:eric.a.thomas@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<mailto:Julie.Kerns@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger and Julie. Please keep us posted on what you learn from (b) (5), (b) (6).

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov><<mailto:Roger.N.Zimmerman@faa.gov>>>
Sent: Tuesday, December 31, 2019 11:28 AM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov><<mailto:Thomas.Winston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov><<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov><<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov><<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov><<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov><<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov><<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Mr. Winston and Mr. Linsenmeyer,

I believe we may have tracked the Drone operator, thanks to our terrific investigative work by AST Julie Kerns. See attached.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Zimmerman, Roger N (FAA)
Sent: Monday, December 30, 2019 3:00 PM
To: Ogden, Dale (FAA) <Dale.Ogden@faa.gov><<mailto:Dale.Ogden@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov><<mailto:Thomas.Winston@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov><<mailto:Kyle.Thurston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov><<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov><<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov><<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov><<mailto:Julie.Kerns@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Just received from our AST reference the "Drone Activity";

Received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. Gentleman reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29th approximately from 7:00 pm to 10 or 10:30 MST. He was unable to get a photo or video.

Reports of (b) (5), (b) truck being in Grant, NE on Sunday, December 29th has led to speculation the drones may be associated with the company possibly being mapping for gas or oil.

The caller stated he would provide a statement. I asked if he talked to other witnesses to have them reach out to this office as well. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County had a population of 1,165 in 2010. The county population was 2,970 in 2010.

This was reported to AST Julie Kerns.

Have a blessed day.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Ogden, Dale (FAA) <Dale.Ogden@faa.gov><<mailto:Dale.Ogden@faa.gov>>>
Sent: Monday, December 30, 2019 1:36 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov><<mailto:Thomas.Winston@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov><<mailto:Roger.N.Zimmerman@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov><<mailto:Kyle.Thurston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov><<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><<mailto:wayne.p.fry@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thomas,

The first we heard of anything of this issue was from an initial report on December 20th, and then Denver FSDO received a few more reports from Law Enforcement two days ago. As of right now we do not have any actionable information or evidence to move forward with any kind of investigation. If anyone else has something, we will look into the matter. I will reach out to the personnel in the FSDO to see if they have heard anything and not brought it to our attention.

Thanks,

Dale Ogden
Aviation Safety
Flight Standards Service
Manager, Denver Flight Standards District Office & Casner Flight Standards Field Office
303-342-1101; 800-847-3808; FAX 303-342-1176; Cell (b) (6)
dale.ogden@faa.gov

Denver FSDO Values
SERVICE
Provide polite and timely service to public and colleagues
EXCELLENCE
Reflect on today and seek improvement tomorrow
INTEGRITY
Do the right thing even when it is difficult

We are committed to service, please take a few minutes to visit the website below and provide your feedback on our performance. Use the Flight Standards Office drop down to select "Flight Standard District Office (FSDO), Denver FSDO (NM03)" and enter your comments. Please select "Service Provided" if one of these areas applies, otherwise omit it. Thank you.

http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/qms/

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Monday, December 30, 2019 12:07 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: FW: Drone activity in Colorado/Nebraska

FYI

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Sent: Monday, December 30, 2019 2:02 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov>; Viola, James (FAA) <James.Viola@faa.gov>; Marshall, Tony (FAA) <tony.marshall@faa.gov>; Cappel, Erin (FAA) <erin.cappel@faa.gov>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Holmes, Craig (FAA) <craig.holmes@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Thomas. AOA chief of staff is requesting ASAP priority on this, need a quick turn if possible.

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov
202-267-3060

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Monday, December 30, 2019 1:30 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov>; Viola, James (FAA) <James.Viola@faa.gov>; Marshall, Tony (FAA) <tony.marshall@faa.gov>; Cappel, Erin (FAA) <erin.cappel@faa.gov>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Holmes, Craig (FAA) <craig.holmes@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Hi John:
I will check with our Denver and Des Moines FSDO.

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Sent: Monday, December 30, 2019 1:21 PM
To: Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov>; Viola, James (FAA) <James.Viola@faa.gov>; Marshall, Tony (FAA) <tony.marshall@faa.gov>; Cappel, Erin (FAA) <erin.cappel@faa.gov>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Osborn, Daniel R (FAA)

<Daniel.R.Osborn@faa.gov<mailto:Daniel.R.Osborn@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<mailto:craig.holmes@faa.gov>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<mailto:Jennifer.K.Todd@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Hello GASA, please advise and cc: all if you have any info to share.
Thanks!

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov
202-267-3060

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>
Sent: Monday, December 30, 2019 1:11 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

AUS appreciates your feedback<http://www.faa.gov/about/office_org/headquarters_offices/avs/stakeholder_feedback/aus/>
(Please select: UAS Safety and Integration Division AUS-400)

From: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<mailto:elizabeth.forro@faa.gov>>
Sent: Monday, December 30, 2019 12:56 PM
To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>; Marks, Julie (FAA) <julie.marks@faa.gov<mailto:julie.marks@faa.gov>>; Hartman, Nicole (FAA) <nicole.hartman@faa.gov<mailto:nicole.hartman@faa.gov>>; Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov<mailto:Emanuel.Cruz@faa.gov>>
Cc: Amend, Erik (FAA) <Erik.Amend@faa.gov<mailto:Erik.Amend@faa.gov>>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov<mailto:Bill.Crozier@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

400 team – any ideas?

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6)
Elizabeth.Forro@faa.gov
www.faa.gov/uas

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov<mailto:Angela.H.Stubblefield@faa.gov>>
Sent: Monday, December 30, 2019 12:53 PM
To: Hayes, Randa (FAA) <randa.hayes@faa.gov<mailto:randa.hayes@faa.gov>>; Carty, Robert (FAA) <Robert.Carty@faa.gov<mailto:Robert.Carty@faa.gov>>; Amend, Erik (FAA) <Erik.Amend@faa.gov<mailto:Erik.Amend@faa.gov>>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<mailto:elizabeth.forro@faa.gov>>
Subject: Drone activity in Colorado/Nebraska

<https://www.google.com/amp/s/www.foxnews.com/us/colorado-nebraska-sheriffs-puzzled-by-nocturnal-drone-flights.amp>

The Chief of Staff for Senator Gardner from Colorado is asking about this. ASH LEAP and ATO are checking their data—would AUS or AFS have any info on this activity? Please let me know soonest as I may have a call with them today.

R/
Angela
Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone
<Odd Sack in vicinity of drone activity.JPG>
<Odd Sack in vicinity of drone activity2.JPG>

RE: Drone activity in Colorado/Nebraska

From: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>
Cc: "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>
Date: Thu, 02 Jan 2020 09:24:26 -0500

It certainly has gotten tons of media attention.... Last few night I have been fielding calls from LE up as late as 2300 pst. Most of the media reporting has been circular reporting.

One major issue that has arisen, Monday 1/6 Morgan County Colorado Sheriff is hosting a meeting at 1000 in Brush Colorado. Originally it was for the Sheriff's, FAA, FBI, DHS. For some unexplained reason info about the meeting was posted on an SO social media site. News outlet are now requesting to attend the meeting and question federal officials. Either Senator Gardner or a member from his office has expressed interest in attending as well. My personal feeling is, we will be discussing an ongoing investigation with FOUO and LES information. The attendees of this meeting should be consist of only the LE community. I am sure HQ is addressing and answering the senators concerns from that level.

Last night was the first night reports of shots being fired at drones. A responding deputy in western Nebraska heard multiple gunshots while investigating a drone(s) sighting. No shooter was located.

R,
Bam

From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 02, 2020 5:42 AM
To: Burns, Craig (FAA) <Craig.Burns@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Craig. This "mystery" has certainly gotten national attention so not surprised if this goes international or viral on the internet.
Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Burns, Craig (FAA) <Craig.Burns@faa.gov>
Sent: Thursday, January 02, 2020 8:20 AM
To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

I was helping Bam monitor this all day yesterday and came across this Facebook page:
DRONE over northeastern COLORADO. It's a public group so it can be read. I gave him the info.

Spoke to him last night and he was receiving a number of calls

On another note, it appears Reuters and some other feeds have picked up the story. I would assume it's gone international.

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program
(b) (6)

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From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 2, 2020 5:45 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Burns, Craig (FAA) <Craig.Burns@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

For your SA. I am not sure whether the FSDOs are "coordinating" with LE or just LE are sending them reporting. Definitely need to ensure we

are plugged into as much of the LE reporting as we can. Thanks.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration
Cell: (b) (6)
Cell: (b) (6)
Office: 202-267-7980
Sent from my iPad

Begin forwarded message:

From: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Date: January 2, 2020 at 07:35:48 EST
To: "Holtzman, Joshua (FAA)" <Joshua.Holtzman@faa.gov>, "Manno, Claudio (FAA)" <Claudio.Manno@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Please read summary below. A lot of LE engagement by FSDO—hope it is coordinated with Bam/Craig. This description of a woman in a hijab and the “sack” situation are new wrinkles.

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

Begin forwarded message:

From: "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
To: "Domingo, Rick (FAA)" <Rick.Domingo@faa.gov>, "Carty, Robert (FAA)" <Robert.Carty@faa.gov>, "Fields, Lawrence (FAA)" <lawrence.fields@faa.gov>, "Hayes, Randa (FAA)" <randa.hayes@faa.gov>, "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Fyi

*John Linsenmeyer
FAA Flight Standards Service
202-267-3060*

Begin forwarded message:

From: "Sanford, Michael (FAA)" <michael.sanford@faa.gov>
Date: December 31, 2019 at 6:54:20 PM EST
To: "Winston, Thomas (FAA)" <Thomas.Winston@faa.gov>, "Zimmerman, Roger N (FAA)" <Roger.N.Zimmerman@faa.gov>, "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
Cc: "Thomas, Eric A (FAA)" <eric.a.thomas@faa.gov>, "Fry, Wayne P (FAA)" <wayne.p.fry@faa.gov>, "DeGuzman, Hardie H (FAA)" <Hardie.H.DeGuzman@faa.gov>, "Kerns, Julie (FAA)" <Julie.Kerns@faa.gov>, "Ogden, Dale (FAA)" <Dale.Ogden@faa.gov>, "Thurston, Kyle (FAA)" <Kyle.Thurston@faa.gov>, "Osborn, Daniel R (FAA)" <Daniel.R.Osborn@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Mr. Winston,

I am doing a “Reply All” to get all of the below information out to as many folks who may need it as quickly as possible.

The information concerning the drone activity in Eastern Colorado and Western Nebraska has been flowing into the office all day in starts and stops. Following is a synopsis of the information we currently have. A lot of the information is mostly identical and from multiple sources so I will do some generalities.

There have been reports of strange drone activities in multiple counties in Eastern Colorado and Western Nebraska, all describing roughly the same activity. From what we understand, the first potential reports were around December 17.

The Lincoln FSDO now has reports where witnesses describe the same type of activity in 4 Nebraska counties that border Colorado and Kansas. Those counties are: Perkins and Chase that both boarder Colorado. Dundy which borders Colorado and Kansas. Hitchcock which borders Kansas.

All of the reports concern large numbers of drones operating at night (some estimates from last night of 30-50) in “clusters” or

formations and that they are operating in coordination. Most indicate they seem to be following a grid pattern. Some citizens have reported that they felt threatened by the drones when they started to observe them. Some reports state the drones are hovering over vehicles.

The drones are reported to have 6' wingspans and there are several reports that indicate the drones are operating in coordination with a "Big Drone" that may be stationary in the area. There is also an unverified report of the larger "drone" potentially landing and taking back off from an airport in Imperial, Nebraska. (Chase County). This larger drone, also described as a "Mother Ship", is said to hover while all the others fly around in close proximity. The large drone, as described, is about 5-6 feet in diameter with a cylindrical shape and a red front.

A Sheriff in Sterling Colorado reported: "Citizen reported seeing 2 white panel vans at gas station along interstate (in that area). (I-75) Person said saw drones in van. Went inside and started talking about drones. Person inside seemed to get nervous and left. Woman wearing hajib came inside to pay and vans left. They are trying to get security video from gas station dealing with a different county."

The Chase County, Nebraska Sheriff's office reported running the plate on a white panel van seen in the area of drone activity. The tag came back as registered to a wholesale florist in Denver, Colorado. They did not pull the van over.

We received another report from the Sheriff of Hitchcock County, Nebraska in the Lincoln, FSDO general mailbox: "On December 30, 2019, the Hitchcock County Sheriff's Office received a citizens report of a cluster of drones numbering up to 20 flying a v shape formation near mile marker 55 above US Highway 34 between Stratton and Trenton, Nebraska. The time frame was 6:20 P.M. C.S.T. There have been several other "facebook" posts from citizens throughout Hitchcock County claiming to have seen several drones in formation on the evening of the 30th. Sincerely, (b) (6), Hitchcock County Sheriff."

The Chase County Sheriff's Office sent us photographs of odd plastic nets filled with gelatin substance said to have been found along roads where drones were operating, spaced about 100' apart. They are unsure if there are any in nearby fields. (Photos attached) The Perkins County, Nebraska Sheriff has some of the material for the FBI to collect for lab analysis. The "sacks" are reported to weigh approximately 20lb each. We have no confirmation the "sacks" are related to the drone activity. Local law enforcement in the affected areas are suspicious of them and their placing.

I just received another report from our AST, Julie Kerns, who has a contact in Perkins County, Nebraska. Citizens are getting somewhat agitated. The contact stated: "Sorry to bother you late, but if you get on Perkins County, Nebraska Facebook, there are two videos. Can't see much other than blinking light but you can hear the sound on one video pretty good. It appears there could have been 50-60 or more between all the reports. Now people are thinking military and maybe the FAA won't fess up. Nothing else can explain the dollars required to pull it off. NOTAMs, center has nothing on radar, and to do this on the sly at night. It's on all the major news networks so I guess we'll see if they are brave enough to try again tonight"

We have received only one media call and we referred the caller to Public Affairs.

My apologies for the long read. There is a lot of information moving around and I wanted to include as much as possible in the shortest format possible.

If you have any questions, please do not hesitate to reach out at any time.

Best Regards,
Mike

Michael W. Sanford
Aviation Safety
LNK FSDO CE-09
Front Line Manager - A
402-458-7807 (Desk) (b) (6) (Cell)

"In flying, I have learned that carelessness and overconfidence are usually far more dangerous than deliberately accepted risks."
— Wilbur Wright in a letter to his father, September 1900.

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Tuesday, December 31, 2019 12:45 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger, Happy New Year.

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>
Sent: Tuesday, December 31, 2019 11:47 AM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<mailto:eric.a.thomas@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<mailto:Julie.Kerns@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<mailto:Daniel.R.Osborn@faa.gov>>; Sanford, Michael (FAA) <michael.sanford@faa.gov<mailto:michael.sanford@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska

Importance: High

John and Thomas,

We contacted (b) (5) and they DO NOT operate drones in the winter. So, this was a bust. If we learn of any other leads we will be in touch. I'm handing the remainder of today to AST Julie Kerns, FLMs Daniel R Osborn and Mike Sanford.

Roger

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Tuesday, December 31, 2019 10:33 AM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger and Julie. Please keep us posted on what you learn from (b) (5), (b) (6).

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>
Sent: Tuesday, December 31, 2019 11:28 AM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Mr. Winston and Mr. Linsenmeyer,

I believe we may have tracked the Drone operator, thanks to our terrific investigative work by AST Julie Kerns. See attached.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Zimmerman, Roger N (FAA)
Sent: Monday, December 30, 2019 3:00 PM
To: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<<mailto:Julie.Kerns@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Just received from our AST reference the "Drone Activity";

Received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. Gentleman reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29th approximately from 7:00 pm to 10 or 10:30 MST. He was unable to get a photo or video.

Reports of (b) (5), (b) (6) truck being in Grant, NE on Sunday, December 29th has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil.

The caller stated he would provide a statement. I asked if he talked to other witnesses to have them reach out to this office as well. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County had a population of 1,165 in 2010. The county population was 2,970 in 2010.

This was reported to AST Julie Kerns.

Have a blessed day.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>
Sent: Monday, December 30, 2019 1:36 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thomas,

The first we heard of anything of this issue was from an initial report on December 20th, and then Denver FSDO received a few more reports from Law Enforcement two days ago. As of right now we do not have any actionable information or evidence to move forward with any kind of investigation. If anyone else has something, we will look into the matter. I will reach out to the personnel in the FSDO to see if they have heard anything and not brought it to our attention.

Thanks,

Dale Ogden
Aviation Safety
Flight Standards Service
Manager, Denver Flight Standards District Office & Casper Flight Standards Field Office
303-342-1101; 800-847-3808; FAX 303-342-1176; Cell (b) (6)
dale.ogden@faa.gov<<mailto:dale.ogden@faa.gov>>

Denver FSDO Values
SERVICE
Provide polite and timely service to public and colleagues
EXCELLENCE
Reflect on today and seek improvement tomorrow
INTEGRITY
Do the right thing even when it is difficult

We are committed to service, please take a few minutes to visit the website below and provide your feedback on our performance. Use the Flight Standards Office drop down to select "Flight Standard District Office (FSDO), Denver FSDO (NM03)" and enter your comments. Please select "Service Provided" if one of these areas applies, otherwise omit it. Thank you.

http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/qms/

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Sent: Monday, December 30, 2019 12:07 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

FYI

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Monday, December 30, 2019 2:02 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony.marshall@faa.gov<<mailto:tony.marshall@faa.gov>>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Thomas. AOA chief of staff is requesting ASAP priority on this, need a quick turn if possible.

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Sent: Monday, December 30, 2019 1:30 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony.marshall@faa.gov<<mailto:tony.marshall@faa.gov>>>; Cappel, Erin (FAA)

<erin.cappel@faa.gov><mailto:erin.cappel@faa.gov>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov><mailto:Robert.Carty@faa.gov>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov><mailto:Roger.N.Zimmerman@faa.gov>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov><mailto:Daniel.R.Osborn@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov><mailto:Dale.Ogden@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov><mailto:Hardie.H.DeGuzman@faa.gov>>; Holmes, Craig (FAA) <craig.holmes@faa.gov><mailto:craig.holmes@faa.gov>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov><mailto:Joseph.Morra@faa.gov>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov><mailto:Jennifer.K.Todd@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov><mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov><mailto:Kyle.Thurston@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska

Hi John:

I will check with our Denver and Des Moines FSDO.

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov><mailto:John.Linsenmeyer@faa.gov>>
Sent: Monday, December 30, 2019 1:21 PM
To: Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov><mailto:Mark.E.Kramer@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov><mailto:Thomas.Winston@faa.gov>>; Viola, James (FAA) <James.Viola@faa.gov><mailto:James.Viola@faa.gov>>; Marshall, Tony (FAA) <tony.marshall@faa.gov><mailto:tony.marshall@faa.gov>>; Cappel, Erin (FAA) <erin.cappel@faa.gov><mailto:erin.cappel@faa.gov>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov><mailto:Robert.Carty@faa.gov>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov><mailto:Roger.N.Zimmerman@faa.gov>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov><mailto:Daniel.R.Osborn@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov><mailto:Dale.Ogden@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov><mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov><mailto:Hardie.H.DeGuzman@faa.gov>>; Holmes, Craig (FAA) <craig.holmes@faa.gov><mailto:craig.holmes@faa.gov>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov><mailto:Joseph.Morra@faa.gov>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov><mailto:Jennifer.K.Todd@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Hello GASA, please advise and cc: all if you have any info to share.
Thanks!

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<mailto:john.linsenmeyer@faa.gov>
202-267-3060

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov><mailto:Joseph.Morra@faa.gov>>
Sent: Monday, December 30, 2019 1:11 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov><mailto:John.Linsenmeyer@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

AUS appreciates your feedback<http://www.faa.gov/about/office_org/headquarters_offices/avs/stakeholder_feedback/aus/>
(Please select: UAS Safety and Integration Division AUS-400)

From: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov><mailto:elizabeth.forro@faa.gov>>
Sent: Monday, December 30, 2019 12:56 PM
To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov><mailto:Joseph.Morra@faa.gov>>; Marks, Julie (FAA) <julie.marks@faa.gov><mailto:julie.marks@faa.gov>>; Hartman, Nicole (FAA) <nicole.hartman@faa.gov><mailto:nicole.hartman@faa.gov>>; Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov><mailto:Emanuel.Cruz@faa.gov>>
Cc: Amend, Erik (FAA) <Erik.Amend@faa.gov><mailto:Erik.Amend@faa.gov>>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov><mailto:Bill.Crozier@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

400 team – any ideas?

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6)
Elizabeth.Forro@faa.gov<mailto:Elizabeth.Forro@faa.gov>
www.faa.gov/uas<<http://www.faa.gov/uas>>

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov><mailto:Angela.H.Stubblefield@faa.gov>>
Sent: Monday, December 30, 2019 12:53 PM
To: Hayes, Randa (FAA) <randa.hayes@faa.gov><mailto:randa.hayes@faa.gov>>; Carty, Robert (FAA) <Robert.Carty@faa.gov><mailto:Robert.Carty@faa.gov>>; Amend, Erik (FAA) <Erik.Amend@faa.gov><mailto:Erik.Amend@faa.gov>>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov><mailto:elizabeth.forro@faa.gov>>

Subject: Drone activity in Colorado/Nebraska

<https://www.google.com/amp/s/www.foxnews.com/us/colorado-nebraska-sheriffs-puzzled-by-nocturnal-drone-flights.amp>

The Chief of Staff for Senator Gardner from Colorado is asking about this. ASH LEAP and ATO are checking their data—would AUS or AFS have any info on this activity? Please let me know soonest as I may have a call with them today.

R/
Angela
Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone
<Odd Sack in vicinity of drone activity.JPG>
<Odd Sack in vicinity of drone activity2.JPG>

RE: Drone activity in Colorado/Nebraska

From: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>
Cc: "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>
Date: Thu, 02 Jan 2020 09:34:37 -0500

I will be heading into the office and will be offline for about 1 to 2 hours. I can be reached on my cell phone (b) (6). If you cannot reach me please give Craig a call.

R,
Bam

From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 02, 2020 5:42 AM
To: Burns, Craig (FAA) <Craig.Burns@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Craig. This "mystery" has certainly gotten national attention so not surprised if this goes international or viral on the internet.
Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Burns, Craig (FAA) <Craig.Burns@faa.gov>
Sent: Thursday, January 02, 2020 8:20 AM
To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

I was helping Bam monitor this all day yesterday and came across this Facebook page:
DRONE over northeastern COLORADO. It's a public group so it can be read. I gave him the info.

Spoke to him last night and he was receiving a number of calls

On another note, it appears Reuters and some other feeds have picked up the story. I would assume it's gone international.

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program
(b) (6)

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From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 2, 2020 5:45 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Burns, Craig (FAA) <Craig.Burns@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

For your SA. I am not sure whether the FSDOs are "coordinating" with LE or just LE are sending them reporting. Definitely need to ensure we are plugged into as much of the LE reporting as we can. Thanks.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration
Cell: (b) (6) 6
Cell: (b) (6)

Office: 202-267-7980
Sent from my iPad

Begin forwarded message:

From: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Date: January 2, 2020 at 07:35:48 EST
To: "Holtzman, Joshua (FAA)" <Joshua.Holtzman@faa.gov>, "Manno, Claudio (FAA)" <Claudio.Manno@faa.gov>
Subject: **Fwd: Drone activity in Colorado/Nebraska**

Please read summary below. A lot of LE engagement by FSDO—hope it is coordinated with Bam/Craig. This description of a woman in a hijab and the “sack” situation are new wrinkles.

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

Begin forwarded message:

From: "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
To: "Domingo, Rick (FAA)" <Rick.Domingo@faa.gov>, "Carty, Robert (FAA)" <Robert.Carty@faa.gov>, "Fields, Lawrence (FAA)" <lawrence.fields@faa.gov>, "Hayes, Randa (FAA)" <randa.hayes@faa.gov>, "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Subject: **Fwd: Drone activity in Colorado/Nebraska**

Fyi

*John Linsenmeyer
FAA Flight Standards Service
202-267-3060*

Begin forwarded message:

From: "Sanford, Michael (FAA)" <michael.sanford@faa.gov>
Date: December 31, 2019 at 6:54:20 PM EST
To: "Winston, Thomas (FAA)" <Thomas.Winston@faa.gov>, "Zimmerman, Roger N (FAA)" <Roger.N.Zimmerman@faa.gov>, "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
Cc: "Thomas, Eric A (FAA)" <eric.a.thomas@faa.gov>, "Fry, Wayne P (FAA)" <wayne.p.fry@faa.gov>, "DeGuzman, Hardie H (FAA)" <Hardie.H.DeGuzman@faa.gov>, "Kerns, Julie (FAA)" <Julie.Kerns@faa.gov>, "Ogden, Dale (FAA)" <Dale.Ogden@faa.gov>, "Thurston, Kyle (FAA)" <Kyle.Thurston@faa.gov>, "Osborn, Daniel R (FAA)" <Daniel.R.Osborn@faa.gov>
Subject: **RE: Drone activity in Colorado/Nebraska**

Mr. Winston,

I am doing a “Reply All” to get all of the below information out to as many folks who may need it as quickly as possible.

The information concerning the drone activity in Eastern Colorado and Western Nebraska has been flowing into the office all day in starts and stops. Following is a synopsis of the information we currently have. A lot of the information is mostly identical and from multiple sources so I will do some generalities.

There have been reports of strange drone activities in multiple counties in Eastern Colorado and Western Nebraska, all describing roughly the same activity. From what we understand, the first potential reports were around December 17.

The Lincoln FSDO now has reports where witnesses describe the same type of activity in 4 Nebraska counties that border Colorado and Kansas. Those counties are: Perkins and Chase that both boarder Colorado. Dundy which boards Colorado and Kansas. Hitchcock which boards Kansas.

All of the reports concern large numbers of drones operating at night (some estimates from last night of 30-50) in “clusters” or formations and that they are operating in coordination. Most indicate they seem to be following a grid pattern. Some citizens have reported that they felt threatened by the drones when they started to observe them. Some reports state the drones are hovering over vehicles.

The drones are reported to have 6’ wingspans and there are several reports that indicate the drones are operating in coordination with a “Big Drone” that may be stationary in the area. There is also an unverified report of the larger “drone” potentially landing and taking back off from an airport in Imperial, Nebraska. (Chase County). This larger drone, also described as a “Mother Ship”, is said to hover while all the others fly around in close proximity. The large drone, as described, is about 5-6 feet in diameter with a cylindrical shape and a red front.

A Sheriff in Sterling Colorado reported: "Citizen reported seeing 2 white panel vans at gas station along interstate (in that area). (I-75) Person said saw drones in van. Went inside and started talking about drones. Person inside seemed to get nervous and left. Woman wearing hajib came inside to pay and vans left. They are trying to get security video from gas station dealing with a different county."

The Chase County, Nebraska Sheriff's office reported running the plate on a white panel van seen in the area of drone activity. The tag came back as registered to a wholesale florist in Denver, Colorado. They did not pull the van over.

We received another report from the Sheriff of Hitchcock County, Nebraska in the Lincoln, FSDO general mailbox: "On December 30, 2019, the Hitchcock County Sheriff's Office received a citizens report of a cluster of drones numbering up to 20 flying a v shape formation near mile marker 55 above US Highway 34 between Stratton and Trenton, Nebraska. The time frame was 6:20 P.M. C.S.T. There have been several other "facebook" posts from citizens throughout Hitchcock County claiming to have seen several drones in formation on the evening of the 30th. Sincerely, (b) (6), Hitchcock County Sheriff."

The Chase County Sheriff's Office sent us photographs of odd plastic nets filled with gelatin substance said to have been found along roads where drones were operating, spaced about 100' apart. They are unsure if there are any in nearby fields. (Photos attached) The Perkins County, Nebraska Sheriff has some of the material for the FBI to collect for lab analysis. The "sacks" are reported to weigh approximately 20lb each. We have no confirmation the "sacks" are related to the drone activity. Local law enforcement in the affected areas are suspicious of them and their placing.

I just received another report from our AST, Julie Kerns, who has a contact in Perkins County, Nebraska. Citizens are getting somewhat agitated. The contact stated: "Sorry to bother you late, but if you get on Perkins County, Nebraska Facebook, there are two videos. Can't see much other than blinking light but you can hear the sound on one video pretty good. It appears there could have been 50-60 or more between all the reports. Now people are thinking military and maybe the FAA won't fess up. Nothing else can explain the dollars required to pull it off. NOTAMS, center has nothing on radar, and to do this on the sly at night. It's on all the major news networks so I guess we'll see if they are brave enough to try again tonight"

We have received only one media call and we referred the caller to Public Affairs.

My apologies for the long read. There is a lot of information moving around and I wanted to include as much as possible in the shortest format possible.

If you have any questions, please do not hesitate to reach out at any time.

Best Regards,
Mike

Michael W. Sanford
Aviation Safety
LNK FSDO CE-09
Front Line Manager - A
402-458-7807 (Desk) (b) (6) (Cell)

"In flying, I have learned that carelessness and overconfidence are usually far more dangerous than deliberately accepted risks."
— Wilbur Wright in a letter to his father, September 1900.

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Tuesday, December 31, 2019 12:45 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger, Happy New Year.

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>
Sent: Tuesday, December 31, 2019 11:47 AM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

John and Thomas,

We contacted (b) (5), and they DO NOT operate drones in the winter. So, this was a bust. If we learn of any other leads we will be in touch. I'm handing the remainder of today to AST Julie Kerns, FLMs Daniel R Osborn and Mike Sanford.

Roger

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Tuesday, December 31, 2019 10:33 AM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger and Julie. Please keep us posted on what you learn from (b) (5), (b) (6).

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>
Sent: Tuesday, December 31, 2019 11:28 AM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<<mailto:Julie.Kerns@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Mr. Winston and Mr. Linsenmeyer,

I believe we may have tracked the Drone operator, thanks to our terrific investigative work by AST Julie Kerns. See attached.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Zimmerman, Roger N (FAA)
Sent: Monday, December 30, 2019 3:00 PM
To: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<<mailto:Julie.Kerns@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Just received from our AST reference the "Drone Activity";

Received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. Gentleman reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29th approximately from 7:00 pm to 10 or 10:30 MST. He was unable to get a photo or video.

Reports of (b) (5), (b) (6) truck being in Grant, NE on Sunday, December 29th has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil.

The caller stated he would provide a statement. I asked if he talked to other witnesses to have them reach out to this office as well. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County had a population of 1,165 in 2010. The county population was 2,970 in 2010.

This was reported to AST Julie Kerns.

Have a blessed day.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>
Sent: Monday, December 30, 2019 1:36 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>

Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thomas,

The first we heard of anything of this issue was from an initial report on December 20th, and then Denver FSDO received a few more reports from Law Enforcement two days ago. As of right now we do not have any actionable information or evidence to move forward with any kind of investigation. If anyone else has something, we will look into the matter. I will reach out to the personnel in the FSDO to see if they have heard anything and not brought it to our attention.

Thanks,

Dale Ogden
Aviation Safety
Flight Standards Service
Manager, Denver Flight Standards District Office & Casper Flight Standards Field Office
303-342-1101; 800-847-3808; FAX 303-342-1176; Cell (b) (6)
dale.ogden@faa.gov<<mailto:dale.ogden@faa.gov>>

Denver FSDO Values
SERVICE
Provide polite and timely service to public and colleagues
EXCELLENCE
Reflect on today and seek improvement tomorrow
INTEGRITY
Do the right thing even when it is difficult

We are committed to service, please take a few minutes to visit the website below and provide your feedback on our performance. Use the Flight Standards Office drop down to select "Flight Standard District Office (FSDO), Denver FSDO (NM03)" and enter your comments. Please select "Service Provided" if one of these areas applies, otherwise omit it. Thank you.

http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/qms/

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Sent: Monday, December 30, 2019 12:07 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

FYI

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Monday, December 30, 2019 2:02 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony.marshall@faa.gov<<mailto:tony.marshall@faa.gov>>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Thomas. AOA chief of staff is requesting ASAP priority on this, need a quick turn if possible.

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Sent: Monday, December 30, 2019 1:30 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony.marshall@faa.gov<<mailto:tony.marshall@faa.gov>>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Hi John:

I will check with our Denver and Des Moines FSDO.

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Monday, December 30, 2019 1:21 PM
To: Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony.marshall@faa.gov<<mailto:tony.marshall@faa.gov>>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

Hello GASA, please advise and cc: all if you have any info to share.
Thanks!

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>
202-267-3060

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>
Sent: Monday, December 30, 2019 1:11 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

AUS appreciates your feedback<http://www.faa.gov/about/office_org/headquarters_offices/avs/stakeholder_feedback/aus/>
(Please select: UAS Safety and Integration Division AUS-400)

From: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<<mailto:elizabeth.forro@faa.gov>>>
Sent: Monday, December 30, 2019 12:56 PM
To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Marks, Julie (FAA) <julie.marks@faa.gov<<mailto:julie.marks@faa.gov>>>; Hartman, Nicole (FAA) <nicole.hartman@faa.gov<<mailto:nicole.hartman@faa.gov>>>; Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov<<mailto:Emanuel.Cruz@faa.gov>>>
Cc: Amend, Erik (FAA) <Erik.Amend@faa.gov<<mailto:Erik.Amend@faa.gov>>>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov<<mailto:Bill.Crozier@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

400 team – any ideas?

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 202-267-7239
C: (b) (6)
Elizabeth.Forro@faa.gov<<mailto:Elizabeth.Forro@faa.gov>>
www.faa.gov/uas<<http://www.faa.gov/uas>>

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov<<mailto:Angela.H.Stubblefield@faa.gov>>>
Sent: Monday, December 30, 2019 12:53 PM
To: Hayes, Randa (FAA) <randa.hayes@faa.gov<<mailto:randa.hayes@faa.gov>>>; Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Amend, Erik (FAA) <Erik.Amend@faa.gov<<mailto:Erik.Amend@faa.gov>>>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<<mailto:elizabeth.forro@faa.gov>>>
Subject: Drone activity in Colorado/Nebraska

<https://www.google.com/amp/s/www.foxnews.com/us/colorado-nebraska-sheriffs-puzzled-by-nocturnal-drone-flights.amp>

The Chief of Staff for Senator Gardner from Colorado is asking about this. ASH LEAP and ATO are checking their data—would AUS or AFS have any info on this activity? Please let me know soonest as I may have a call with them today.

R/
Angela
Angela H. Stubblefield
Chief of Staff

FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone
<Odd Sack in vicinity of drone activity.JPG>
<Odd Sack in vicinity of drone activity2.JPG>

FW: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

From: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>
To: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>
Date: Thu, 02 Jan 2020 09:54:10 -0500

Latest for your SA from ARP...

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Thursday, January 02, 2020 9:51 AM
To: Dermody, John (FAA) <John.Dermody@faa.gov>
Cc: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Lenfert, Winsome A (FAA) <winsome.a.lenfert@faa.gov>; Hiatt, Patricia (FAA) <patricia.hiatt@faa.gov>; Newman, Philip (FAA) <Philip.Newman@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Shaffer, Kirk (FAA) <Kirk.Shaffer@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thanks, John! Still no idea on operator or source of these operations.
R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Jan 2, 2020, at 9:42 AM, Dermody, John (FAA) <John.Dermody@faa.gov> wrote:

Angela – Happy New Year! Our ARP Central Region is following up with the below airport due to this report from last night. Also, the airport manager for Grant Municipal (GGF) airport in Nebraska has reported drone activity within their vicinity to LLE and Special Agent Burns. They have been unable to determine the source.

Did we hear any new information about the potential source/ operator(s)?

Thanks
John

From: EON-DRA-NOREPLY@faa.gov <EON-DRA-NOREPLY@faa.gov>
Sent: Wednesday, January 1, 2020 9:15 PM
To: EON-DRA-NOREPLY@faa.gov
Subject: UAS/DRONE INCIDENT @ MC COOK, NE (MCK)

UAS/DRONE INCIDENT | MC COOK, NE (MCK) 01-02-2020 0255Z

Event ID: 610253
Zulu Date/Time: 01/02/2020 0255Z
Local Date/Time: 01/01/2020 2055 CST
Event Type: UAS/DRONE INCIDENT
Region: ACE
Location: MC COOK, NE (MCK)
Reporting Facility: NEBRASKA STATE PATROL
Message Text: MC COOK, NE (MCK): NEBRASKA STATE PATROL REPORTED 4 DRONES, UNKNOWN TYPE OR SIZE, FLYING NEAR MC COOK , NE AIRPORT. 01/02/2020 0255Z
Groups Notified: ACE UAS; LNK FSDO
Created By: CARLOS.A.JONES
URL: <https://dra.eon.faa.gov/view/610253>

John R. Dermody, P.E.
Director
Office of Airport Safety and Standards
Federal Aviation Administration

(202) 267-3053

<image001.png>

Advancing the safest, most efficient airport system in the world!

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>

Sent: Tuesday, December 31, 2019 6:18 PM

To: Dermody, John (FAA) <John.Dermody@faa.gov>

Cc: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Lenfert, Winsome A (FAA) <winsome.a.lenfert@faa.gov>; Hiatt, Patricia (FAA) <patricia.hiatt@faa.gov>; Newman, Philip (FAA) <Philip.Newman@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>

Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Outstanding quick response, John! Thanks!

R/

Angela

Sent from my iPad

Angela Stubblefield

Chief of Staff

FAA

202-267-7576 office

(b) (6) cell

On Dec 31, 2019, at 6:07 PM, Dermody, John (FAA) <John.Dermody@faa.gov> wrote:

Angela - I coordinated with both our Northwest Mountain (ANM) and Central (ACE) regions. ACE is starting to contact the airports in the affected areas and ANM will also be doing so shortly.

Thanks and have a safe and happy New Year all!

John

John R. Dermody, P.E.

Director

Office of Airport Safety and Standards

Federal Aviation Administration

(202) 267-3053



Advancing the safest, most efficient airport system in the world!

On Dec 31, 2019, at 4:34 PM, Dermody, John (FAA) <John.Dermody@faa.gov> wrote:

Yes Angela, will do. Thanks for letting us know!

John

John R. Dermody, P.E.

Director

Office of Airport Safety and Standards

Federal Aviation Administration

(202) 267-3053

<image001.png>

Advancing the safest, most efficient airport system in the world!

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>

Sent: Tuesday, December 31, 2019 4:14 PM

To: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Lenfert, Winsome A (FAA) <winsome.a.lenfert@faa.gov>; Dermody, John (FAA)

<John.Dermody@faa.gov>; Hiatt, Patricia (FAA) <patricia.hiatt@faa.gov>

Cc: Newman, Philip (FAA) <Philip.Newman@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA)

<katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier,

Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty,

Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth

(FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>

Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

I am now looping in ARP to join the effort.

John/Trish,

Read the chain below from the bottom up. Phil and I just got off the phone with Senator Gardner's office. One of the points of the Senator's concern is the operation of this herd of drones (that's my term to differentiate between a legitimate swarm) near GA airports in the area. I said that we would notify those airports to the following:

1. Make sure they are aware of the reports of drones operating for several hours each evening in the area;

2. Ask that they alert pilots using their airports to be cautious and to report any sightings or if they see what may be the operators on the ground; and
3. Provide them with the numbers to call to report sightings to FAA.

Would you be able to enlist your ADO in the area to contact GA airports in the counties identified at the bottom of the string to do 1-3?

Please let me know if you have any questions. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 2:02 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Great, Claudio, thanks!
R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:52 PM, Manno, Claudio (FAA) <Claudio.Manno@faa.gov> wrote:

We've just heard back from FBI. They're interested in helping with this and want to have a discussion on Thursday – as I mentioned, after the other commitments they have. In the meantime we'll try to pursue the helo angle. Since the sightings are reportedly occurring in additional counties (additional jurisdictions) it may be possible to anticipate where they may crop up next – if there is a systematic pattern. claudio

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 1:45 PM
To: Manno, Claudio (FAA) <Claudio.Manno@faa.gov>
Cc: Newman, Philip (FAA) <Philip.Newman@faa.gov>; Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA) <Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>
Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Great, thanks!
R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:42 PM, Manno, Claudio (FAA) <Claudio.Manno@faa.gov> wrote:

(b) (5)
We'll see. In the meantime we'll ask Bam to pose the question on whether local law enforcement is able to use air assets to try to track their landing location. claudio

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov>
Sent: Tuesday, December 31, 2019 1:37 PM
To: Newman, Philip (FAA) <Philip.Newman@faa.gov>
Cc: Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov>; Howard, Katherine (FAA) <katherine.howard@faa.gov>; Giacini, Andrew F (FAA) <Andrew.F.Giacini@faa.gov>; Manno, Claudio (FAA) <Claudio.Manno@faa.gov>; Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Hayes, Randa (FAA) <randa.hayes@faa.gov>; Carty, Robert (FAA) <Robert.Carty@faa.gov>; Merkle, Jay (FAA)

<Jay.Merkle@faa.gov>; Amend, Erik (FAA) <Erik.Amend@faa.gov>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>

Subject: Re: Update on FAA efforts to investigate reports of multiple UAS over counties in Colorado and Nebraska

Thanks, Phil. The team continues to try to work available leads, but I am not sure what else we can do at this point beyond that.

The one other option I see would be to try to get local LE to put up helo assets to try to track the UAS back to where they land...there are a couple of risks with that, but we can certainly suggest it. Claudio/Josh, can you talk with Bam about discussing this with local LE or trying to get FBI involved with detection assets? Thanks!

Also, this is why Remote ID is so important!

Phil, I will let AOA-1 know, but if you want to direct Gardner's COS to me for a call if that helps, that's fine too. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:30 PM, Newman, Philip (FAA) <Philip.Newman@faa.gov> wrote:

Just an update from Senator Gardner's office. They are hearing from the local farm bureau that the drones have been disturbing cattle operations and may have caused injuries, and that the drones are flying closely to some of the general aviation airports in the area.

They may elevate this to a call from the Senator to the Administrator given the level of concern in the area. They are also just concerned that it's taking this long to identify such a large number of drones.

Please let me know if there is anything else I can report.

Philip Newman
Federal Aviation Administration
U.S. Department of Transportation

On Dec 31, 2019, at 1:23 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Outstanding, Jess. Thanks!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

On Dec 31, 2019, at 1:17 PM, Sypniewski, Jessica (FAA) <jessica.sypniewski@faa.gov> wrote:

Update: We confirmed the University of Colorado had no flights in the subject area.

Sent from my iPhone

On Dec 30, 2019, at 9:37 PM, Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov> wrote:

Good evening,
Most, if not all, of you have been involved in trying to pull the thread on what may be the cause of the multiple reports of multiple drones conducting "grid work" in the evening in various parts of Colorado and Nebraska, as reporting by several new outlets over the last 4-5 days. In addition, we received an inquiry from Colorado Senator Gardner's staff as well. Below is what has occurred and what actions are still in train by ASH, AVS, and ATO.

Multiple FAA offices (ASH, AFS and ATO) have been looking into this issue since late last week when an article appeared in Denver paper. Here are the actions FAA has taken and what we have found to date:

1. **Local LE Engagement:** ASH Law Enforcement Assistance Program (LEAP) agent has spoken with Sheriffs from Washington, Lincoln, and Yuma Counties to gather additional information and provide assistance. From this interaction, we have learned that reports have been received from both law enforcement and local citizens with Washington County Sheriff, (b) (6), and his Deputy providing first-hand accounts. Each agency contacted advised at least one deputy has witnessed the activity. The activity reported occurs primarily between the hours of 1800 and 2200 MST and demonstrate the pattern of multiple “drones” flying a grid type pattern and remaining airborne for several hours at a time in less than optimum flying conditions (high winds and storm-like conditions). The number of drones reported operating at one range from between 2 and 16 and appear to be approximately 6 feet width and length. Flight time has been 2 to 3 hours continuous. All reports indicate flight is between 200 and 300 feet. However several people interviewed stated it was hard to determine height due to the darkness and lack of clouds. Other sightings lights were also reported to be either flashing or steady white, red, or green. One report mentioned flashing blue lights. They have not been described as operating in a manner that place persons on the ground in danger. Reports are extending in a southerly direction with activity continuing in the original two counties. Lincoln County is the latest county to report activity.

–Since the reports are now in the national news, the sheriffs and other law enforcement have been inundated with calls. Law Enforcement has been consistent in stating that no Colorado criminal codes have been violated, and there is no confirmation that these observables are UAS.

–The Sheriffs are having a Conference next week in Lynnwood, CO. They have asked the LEAP agent to attend the Conference and work with the Local Law Enforcement on training and education.

– The ASH LEAP agent researched out to one company, (b) (5), (b) (6), that has the capability and capacity to fly extended hours as observed and was granted a 107.29 night waiver. He just confirmed they are not operating in the areas with reported sightings.

– No operators have been identified yet, but LEAP continues to research options. A list of pipeline co-op users was located. *Calls are being made to inquire about inspection activity.*

–Denver FSDO is also aware of the reports in coordination with LEAP. DEN FSDO has had three reports (not necessarily complaints) of the UAS activity— one on 12/20, and a few more on 12/28 from law enforcement. FSDO determined there is no actionable information or evidence to move forward with any kind of investigation at this time.

–The two leading potential explanations point to possible survey work:
1) A new pipeline has been proposed in the Julesburg Basin, an area northeast Colorado on the Colorado/Nebraska border and the counties where the sightings have taken place are adjacent to that basin; and
2) Colorado recently enacted more strict EPA-related laws leaving some to speculate that the aircraft are conducting IR surveillance for gas leak detection.

–The Lincoln FSDO has received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. The caller reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29 approximately from 1900-2230 MST. He was unable to get a photo or video. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County.

–There are reports of a (b) (5), (b) (6) truck being in Grant, NE on Sunday, December 29 has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil. (b) (5) will be contacted (ASH or FSDO?).

2. **DOD Engagement:** NORTHCOM/NORAD has been contacted and does not have any information, other than they are aware of the reports.

3. **ATO Checks:** ATO System Operations indicated they have not given any authorizations matching this area. The Western Service Center reported they have no “swarm” COAs for that area and are not aware of any special DoD missions of this nature. There are no Part 107’s approvals for this type of operation.

–ATO is checking with the University of Colorado (CU) (test site activity), but it appears they are out for the Holidays. ATO is sifting through the Part 91 blanket COAs and should have that finished soon. CU has some blanket COAs in that area, but until they finish searching the Part 91 COAs, they cannot be sure if anything operations like this are included.

I will report same up to AOA/ADA. As you close out on the remaining tasks highlighted in bold, italicized, and underlined text, I would ask folks to use this chain to report any additional follow-up to maintain group SA.

Thanks for the great work and coordination!

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA

(b) (6) office
cell



RE: Drone activity in Colorado/Nebraska

From: "Bumberger, Michael (FAA)" <michael.bumberger@faa.gov>
To: "Holtzman, Joshua (FAA)" <joshua.holtzman@faa.gov>, "Burns, Craig (FAA)" <craig.burns@faa.gov>, "Stewart, Ed (FAA)" <ed.stewart@faa.gov>
Cc: "Feddersen, Brett (FAA)" <brett.feddersen@faa.gov>, "Papier, Leesa J (FAA)" <leesa.j.papier@faa.gov>, "Whitaker-Gray, Pamela (FAA)" <pamela.whitaker-gray@faa.gov>
Date: Thu, 02 Jan 2020 12:21:43 -0500

FBI from North Platte advised the strange items referred to as space potatoes have been identified as SOILPAM Tracklogs (pictures attached). Basically they are dropped from pivot machines to solidify the tracks and ruts the machine makes. A pivot machine is the very large center or lateral pivot agriculture watering apparatus. The gel is made up of poly-chloride tablets in a mesh stocking. When they get wet form a log which replaces the dirt that was displaced by the pivot machines wheels.

The deputies located the items in the fields while pursuing the drones.

R,
Bam

From: Bumberger, Michael (FAA)
Sent: Thursday, January 02, 2020 6:35 AM
To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Burns, Craig (FAA) <Craig.Burns@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <Leesa.J.Papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

I will be heading into the office and will be offline for about 1 to 2 hours. I can be reached on my cell phone (b) (6). If you cannot reach me please give Craig a call.

R,
Bam

From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 02, 2020 5:42 AM
To: Burns, Craig (FAA) <Craig.Burns@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <Leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Craig. This "mystery" has certainly gotten national attention so not surprised if this goes international or viral on the internet.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration (FAA)
(O) 202-267-7980
(M) (b) (6)
(M) (b) (6)

From: Burns, Craig (FAA) <Craig.Burns@faa.gov>
Sent: Thursday, January 02, 2020 8:20 AM
To: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>; Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <Leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

I was helping Bam monitor this all day yesterday and came across this Facebook page: DRONE over northeastern COLORADO. It's a public group so it can be read. I gave him the info.

Spoke to him last night and he was receiving a number of calls

On another note, it appears Reuters and some other feeds have picked up the story. I would assume it's gone international.

S/A Craig Burns
Federal Aviation Administration
Office of National Security Programs and Incident Response (AXE-830)
Law Enforcement Assistance Program
(b) (6)

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From: Holtzman, Joshua (FAA) <Joshua.Holtzman@faa.gov>
Sent: Thursday, January 2, 2020 5:45 AM
To: Bumberger, Michael (FAA) <Michael.Bumberger@faa.gov>; Burns, Craig (FAA) <Craig.Burns@faa.gov>; Stewart, Ed (FAA) <Ed.Stewart@faa.gov>
Cc: Feddersen, Brett (FAA) <Brett.Feddersen@faa.gov>; Papier, Leesa J (FAA) <leesa.j.papier@faa.gov>; Whitaker-Gray, Pamela (FAA) <Pamela.Whitaker-Gray@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

For your SA. I am not sure whether the FSDOs are “coordinating” with LE or just LE are sending them reporting. Definitely need to ensure we are plugged into as much of the LE reporting as we can. Thanks.

Josh

Joshua Holtzman
Acting Deputy Associate Administrator
Security and Hazardous Materials Safety (ASH)
Federal Aviation Administration
Cell: (b) (6)
Cell: (b) (6)
Office: 202-267-7980
Sent from my iPad

Begin forwarded message:

From: "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Date: January 2, 2020 at 07:35:48 EST
To: "Holtzman, Joshua (FAA)" <Joshua.Holtzman@faa.gov>, "Manno, Claudio (FAA)" <Claudio.Manno@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Please read summary below. A lot of LE engagement by FSDO—hope it is coordinated with Bam/Craig. This description of a woman in a hijab and the “sack” situation are new wrinkles.

R/
Angela

Sent from my iPad

Angela Stubblefield
Chief of Staff
FAA
202-267-7576 office
(b) (6) cell

Begin forwarded message:

From: "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
To: "Domingo, Rick (FAA)" <Rick.Domingo@faa.gov>, "Carty, Robert (FAA)" <Robert.Carty@faa.gov>, "Fields, Lawrence (FAA)" <lawrence.fields@faa.gov>, "Hayes, Randa (FAA)" <randa.hayes@faa.gov>, "Stubblefield, Angela H (FAA)" <Angela.H.Stubblefield@faa.gov>
Subject: Fwd: Drone activity in Colorado/Nebraska

Fyi

*John Linsenmeyer
FAA Flight Standards Service
202-267-3060*

Begin forwarded message:

From: "Sanford, Michael (FAA)" <michael.sanford@faa.gov>
Date: December 31, 2019 at 6:54:20 PM EST
To: "Winston, Thomas (FAA)" <Thomas.Winston@faa.gov>, "Zimmerman, Roger N (FAA)" <Roger.N.Zimmerman@faa.gov>, "Linsenmeyer, John (FAA)" <John.Linsenmeyer@faa.gov>
Cc: "Thomas, Eric A (FAA)" <eric.a.thomas@faa.gov>, "Fry, Wayne P (FAA)" <wayne.p.fry@faa.gov>, "DeGuzman, Hardie H (FAA)" <Hardie.H.DeGuzman@faa.gov>, "Kerns, Julie (FAA)" <Julie.Kerns@faa.gov>, "Ogden, Dale (FAA)" <Dale.Ogden@faa.gov>, "Thurston, Kyle (FAA)" <Kyle.Thurston@faa.gov>, "Osborn, Daniel R (FAA)" <Daniel.R.Osborn@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Mr. Winston,

I am doing a “Reply All” to get all of the below information out to as many folks who may need it as quickly as possible.

The information concerning the drone activity in Eastern Colorado and Western Nebraska has been flowing into the office all day in starts and stops. Following is a synopsis of the information we currently have. A lot of the information is mostly identical and from multiple sources so I will do some generalities.

There have been reports of strange drone activities in multiple counties in Eastern Colorado and Western Nebraska, all describing

roughly the same activity. From what we understand, the first potential reports were around December 17.

The Lincoln FSDO now has reports where witnesses describe the same type of activity in 4 Nebraska counties that border Colorado and Kansas. Those counties are: Perkins and Chase that both boarder Colorado. Dundy which boards Colorado and Kansas. Hitchcock which boards Kansas.

All of the reports concern large numbers of drones operating at night (some estimates from last night of 30-50) in "clusters" or formations and that they are operating in coordination. Most indicate they seem to be following a grid pattern. Some citizens have reported that they felt threatened by the drones when they started to observe them. Some reports state the drones are hovering over vehicles.

The drones are reported to have 6' wingspans and there are several reports that indicate the drones are operating in coordination with a "Big Drone" that may be stationary in the area. There is also an unverified report of the larger "drone" potentially landing and taking back off from an airport in Imperial, Nebraska. (Chase County). This larger drone, also described as a "Mother Ship", is said to hover while all the others fly around in close proximity. The large drone, as described, is about 5-6 feet in diameter with a cylindrical shape and a red front.

A Sheriff in Sterling Colorado reported: "Citizen reported seeing 2 white panel vans at gas station along interstate (in that area). (I-75) Person said saw drones in van. Went inside and started talking about drones. Person inside seemed to get nervous and left. Woman wearing hajib came inside to pay and vans left. They are trying to get security video from gas station dealing with a different county."

The Chase County, Nebraska Sheriff's office reported running the plate on a white panel van seen in the area of drone activity. The tag came back as registered to a wholesale florist in Denver, Colorado. They did not pull the van over.

We received another report from the Sheriff of Hitchcock County, Nebraska in the Lincoln, FSDO general mailbox: "On December 30, 2019, the Hitchcock County Sheriff's Office received a citizens report of a cluster of drones numbering up to 20 flying a v shape formation near mile marker 55 above US Highway 34 between Stratton and Trenton, Nebraska. The time frame was 6:20 P.M. C.S.T. There have been several other "facebook" posts from citizens throughout Hitchcock County claiming to have seen several drones in formation on the evening of the 30th. Sincerely, (b) (6), Hitchcock County Sheriff."

The Chase County Sheriff's Office sent us photographs of odd plastic nets filled with gelatin substance said to have been found along roads where drones were operating, spaced about 100' apart. They are unsure if there are any in nearby fields. (Photos attached) The Perkins County, Nebraska Sheriff has some of the material for the FBI to collect for lab analysis. The "sacks" are reported to weigh approximately 20lb each. We have no confirmation the "sacks" are related to the drone activity. Local law enforcement in the affected areas are suspicious of them and their placing.

I just received another report from our AST, Julie Kerns, who has a contact in Perkins County, Nebraska. Citizens are getting somewhat agitated. The contact stated: "Sorry to bother you late, but if you get on Perkins County, Nebraska Facebook, there are two videos. Can't see much other than blinking light but you can hear the sound on one video pretty good. It appears there could have been 50-60 or more between all the reports. Now people are thinking military and maybe the FAA won't fess up. Nothing else can explain the dollars required to pull it off. NOTAMs, center has nothing on radar, and to do this on the sly at night. It's on all the major news networks so I guess we'll see if they are brave enough to try again tonight"

We have received only one media call and we referred the caller to Public Affairs.

My apologies for the long read. There is a lot of information moving around and I wanted to include as much as possible in the shortest format possible.

If you have any questions, please do not hesitate to reach out at any time.

Best Regards,
Mike

Michael W. Sanford
Aviation Safety
LNK FSDO CE-09
Front Line Manager - Airworthiness
402-458-7807 (Desk) (b) (6) (Cell)

"In flying, I have learned that carelessness and overconfidence are usually far more dangerous than deliberately accepted risks."
— Wilbur Wright in a letter to his father, September 1900.

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov>
Sent: Tuesday, December 31, 2019 12:45 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov>; Sanford, Michael (FAA) <michael.sanford@faa.gov>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger, Happy New Year.

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>
Sent: Tuesday, December 31, 2019 11:47 AM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<mailto:eric.a.thomas@faa.gov>>; Fry, Wayne P (FAA)

<wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<mailto:Julie.Kerns@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<mailto:Daniel.R.Osborn@faa.gov>>; Sanford, Michael (FAA) <michael.sanford@faa.gov<mailto:michael.sanford@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

John and Thomas,

We contacted (b) and they DO NOT operate drones in the winter. So, this was a bust. If we learn of any other leads we will be in touch. I'm handing the remainder of today to AST Julie Kerns, FLMs Daniel R Osborn and Mike Sanford.

Roger

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Sent: Tuesday, December 31, 2019 10:33 AM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<mailto:eric.a.thomas@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<mailto:Julie.Kerns@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Roger and Julie. Please keep us posted on what you learn from (b) (5), (b) (6).

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov
202-267-3060

From: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>
Sent: Tuesday, December 31, 2019 11:28 AM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<mailto:eric.a.thomas@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<mailto:Julie.Kerns@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Mr. Winston and Mr. Linsenmeyer,

I believe we may have tracked the Drone operator, thanks to our terrific investigative work by AST Julie Kerns. See attached.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Zimmerman, Roger N (FAA)
Sent: Monday, December 30, 2019 3:00 PM
To: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>; Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<mailto:eric.a.thomas@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Kerns, Julie (FAA) <Julie.Kerns@faa.gov<mailto:Julie.Kerns@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska
Importance: High

Just received from our AST reference the "Drone Activity";

Received a call regarding multiple, larger sized drones flying over rural western Nebraska in Perkins County, between Ogallala and Grant, NE. Gentleman reported there were maybe 12 or more drones with a 6 foot wingspan flying approximately 200 feet AGL, in a grid pattern. From his contacts, the drones seem to have covered 10 to 20 square miles. Some farmers/ranchers reported the drones flying over their farmsteads. The caller stated he saw the drones December 29th approximately from 7:00 pm to 10 or 10:30 MST. He was unable to get a photo or video.

Reports of (b) (5), (b) truck being in Grant, NE on Sunday, December 29th has led to speculation the drones may be associated with the company and possibly be mapping for gas or oil.

The caller stated he would provide a statement. I asked if he talked to other witnesses to have them reach out to this office as well. The caller does have an aviation background; he is a private pilot. Grant is the county seat of Perkins County had a population of 1,165 in 2010. The county population was 2,970 in 2010.

This was reported to AST Julie Kerns.

Have a blessed day.

Roger Zimmerman
Office Manager
Lincoln FSDO

From: Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>
Sent: Monday, December 30, 2019 1:36 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Cc: Thomas, Eric A (FAA) <eric.a.thomas@faa.gov<<mailto:eric.a.thomas@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thomas,

The first we heard of anything of this issue was from an initial report on December 20th, and then Denver FSDO received a few more reports from Law Enforcement two days ago. As of right now we do not have any actionable information or evidence to move forward with any kind of investigation. If anyone else has something, we will look into the matter. I will reach out to the personnel in the FSDO to see if they have heard anything and not brought it to our attention.

Thanks,

Dale Ogden
Aviation Safety
Flight Standards Service
Manager, Denver Flight Standards District Office & Casner Flight Standards Field Office
303-342-1101; 800-847-3808; FAX 303-342-1176; Cell (b) (6)
dale.ogden@faa.gov<<mailto:dale.ogden@faa.gov>>

Denver FSDO Values
SERVICE
Provide polite and timely service to public and colleagues
EXCELLENCE
Reflect on today and seek improvement tomorrow
INTEGRITY
Do the right thing even when it is difficult

We are committed to service, please take a few minutes to visit the website below and provide your feedback on our performance. Use the Flight Standards Office drop down to select "Flight Standard District Office (FSDO), Denver FSDO (NM03)" and enter your comments. Please select "Service Provided" if one of these areas applies, otherwise omit it. Thank you.

http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/qms/

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>
Sent: Monday, December 30, 2019 12:07 PM
To: Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: FW: Drone activity in Colorado/Nebraska

FYI

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<<mailto:John.Linsenmeyer@faa.gov>>>
Sent: Monday, December 30, 2019 2:02 PM
To: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<<mailto:Thomas.Winston@faa.gov>>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<<mailto:Mark.E.Kramer@faa.gov>>>; Viola, James (FAA) <James.Viola@faa.gov<<mailto:James.Viola@faa.gov>>>; Marshall, Tony (FAA) <tony.marshall@faa.gov<<mailto:tony.marshall@faa.gov>>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<<mailto:erin.cappel@faa.gov>>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<<mailto:Robert.Carty@faa.gov>>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<<mailto:Roger.N.Zimmerman@faa.gov>>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<<mailto:Daniel.R.Osborn@faa.gov>>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<<mailto:Dale.Ogden@faa.gov>>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<<mailto:wayne.p.fry@faa.gov>>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<<mailto:Hardie.H.DeGuzman@faa.gov>>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<<mailto:craig.holmes@faa.gov>>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<<mailto:Joseph.Morra@faa.gov>>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<<mailto:Jennifer.K.Todd@faa.gov>>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<<mailto:Kyle.Thurston@faa.gov>>>
Subject: RE: Drone activity in Colorado/Nebraska

Thanks Thomas. AOA chief of staff is requesting ASAP priority on this, need a quick turn if possible.

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<<mailto:john.linsenmeyer@faa.gov>>

202-267-3060

From: Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>
Sent: Monday, December 30, 2019 1:30 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>; Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<mailto:Mark.E.Kramer@faa.gov>>; Viola, James (FAA) <James.Viola@faa.gov<mailto:James.Viola@faa.gov>>; Marshall, Tony (FAA) <tony_marshall@faa.gov<mailto:tony_marshall@faa.gov>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<mailto:erin.cappel@faa.gov>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<mailto:Robert.Carty@faa.gov>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<mailto:Daniel.R.Osborn@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<mailto:craig.holmes@faa.gov>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<mailto:Jennifer.K.Todd@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Thurston, Kyle (FAA) <Kyle.Thurston@faa.gov<mailto:Kyle.Thurston@faa.gov>>
Subject: RE: Drone activity in Colorado/Nebraska

Hi John:

I will check with our Denver and Des Moines FSDO.

From: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Sent: Monday, December 30, 2019 1:21 PM
To: Kramer, Mark E (FAA) <Mark.E.Kramer@faa.gov<mailto:Mark.E.Kramer@faa.gov>>; Winston, Thomas (FAA) <Thomas.Winston@faa.gov<mailto:Thomas.Winston@faa.gov>>; Viola, James (FAA) <James.Viola@faa.gov<mailto:James.Viola@faa.gov>>; Marshall, Tony (FAA) <tony_marshall@faa.gov<mailto:tony_marshall@faa.gov>>; Cappel, Erin (FAA) <erin.cappel@faa.gov<mailto:erin.cappel@faa.gov>>
Cc: Carty, Robert (FAA) <Robert.Carty@faa.gov<mailto:Robert.Carty@faa.gov>>; Zimmerman, Roger N (FAA) <Roger.N.Zimmerman@faa.gov<mailto:Roger.N.Zimmerman@faa.gov>>; Osborn, Daniel R (FAA) <Daniel.R.Osborn@faa.gov<mailto:Daniel.R.Osborn@faa.gov>>; Ogden, Dale (FAA) <Dale.Ogden@faa.gov<mailto:Dale.Ogden@faa.gov>>; Fry, Wayne P (FAA) <wayne.p.fry@faa.gov<mailto:wayne.p.fry@faa.gov>>; DeGuzman, Hardie H (FAA) <Hardie.H.DeGuzman@faa.gov<mailto:Hardie.H.DeGuzman@faa.gov>>; Holmes, Craig (FAA) <craig.holmes@faa.gov<mailto:craig.holmes@faa.gov>>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>; Todd, Jennifer K (FAA) <Jennifer.K.Todd@faa.gov<mailto:Jennifer.K.Todd@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Hello GASA, please advise and cc: all if you have any info to share.
Thanks!

John Linsenmeyer
FAA Flight Standards Service
john.linsenmeyer@faa.gov<mailto:john.linsenmeyer@faa.gov>
202-267-3060

From: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>
Sent: Monday, December 30, 2019 1:11 PM
To: Linsenmeyer, John (FAA) <John.Linsenmeyer@faa.gov<mailto:John.Linsenmeyer@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

Joe Morra, Director AUS-400
Federal Aviation Administration
Unmanned Aircraft Systems Integration Office
Safety & Integration Division
202-267-6521

AUS appreciates your feedback<http://www.faa.gov/about/office_org/headquarters_offices/avs/stakeholder_feedback/aus/>
(Please select: UAS Safety and Integration Division AUS-400)

From: Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov<mailto:elizabeth.forro@faa.gov>>
Sent: Monday, December 30, 2019 12:56 PM
To: Morra, Joseph (FAA) <Joseph.Morra@faa.gov<mailto:Joseph.Morra@faa.gov>>; Marks, Julie (FAA) <julie.marks@faa.gov<mailto:julie.marks@faa.gov>>; Hartman, Nicole (FAA) <nicole.hartman@faa.gov<mailto:nicole.hartman@faa.gov>>; Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov<mailto:Emanuel.Cruz@faa.gov>>
Cc: Amend, Erik (FAA) <Erik.Amend@faa.gov<mailto:Erik.Amend@faa.gov>>; Crozier, Bill (FAA) <Bill.Crozier@faa.gov<mailto:Bill.Crozier@faa.gov>>
Subject: FW: Drone activity in Colorado/Nebraska

400 team – any ideas?

Elizabeth Forro
Special Assistant
FAA UAS Integration Office
O: 9
C: (b) (6)
Elizabeth.Forro@faa.gov<mailto:Elizabeth.Forro@faa.gov>

www.faa.gov/uas<<http://www.faa.gov/uas>>

From: Stubblefield, Angela H (FAA) <Angela.H.Stubblefield@faa.gov<<mailto:Angela.H.Stubblefield@faa.gov>>>
Sent: Monday, December 30, 2019 12:53 PM
To: Hayes, Randa (FAA) <randa.hayes@faa.gov><<mailto:randa.hayes@faa.gov>>>; Carty, Robert (FAA) <Robert.Carty@faa.gov><<mailto:Robert.Carty@faa.gov>>>; Amend, Erik (FAA) <Erik.Amend@faa.gov><<mailto:Erik.Amend@faa.gov>>>; Forro, Elizabeth (FAA) <elizabeth.forro@faa.gov><<mailto:elizabeth.forro@faa.gov>>>
Subject: Drone activity in Colorado/Nebraska

<https://www.google.com/amp/s/www.foxnews.com/us/colorado-nebraska-sheriffs-puzzled-by-nocturnal-drone-flights.amp>

The Chief of Staff for Senator Gardner from Colorado is asking about this. ASH LEAP and ATO are checking their data—would AUS or AFS have any info on this activity? Please let me know soonest as I may have a call with them today.

R/
Angela
Angela H. Stubblefield
Chief of Staff
FAA
Work: 202-267-7576
Mobile: (b) (6)

Sent from my iPhone
<Odd Sack in vicinity of drone activity.JPG>
<Odd Sack in vicinity of drone activity2.JPG>

SNF **AGRICULTURE**

SOILPAM™ TRACKLOG
Wheel Track Management for Pivot and Lateral Irrigation Systems

PRODUCT DESCRIPTION
SOILPAM TRACKLOG is a long-lasting, semi-solid gel log made of a linear anionic copolymer in mesh bags. When wetted, TRACKLOGS are effective in reducing the depth and severity of track ruts caused by a moving irrigation system. Use of this product also reduces pivot maintenance costs while increasing water infiltration in and around the wheel tracks in the soil.

TYPICAL PROPERTIES

Appearance	Semi-Solid, Gel Log
Approx. Weight of 1 Log	10 lb.
pH (0.5% Solution)	6 - 8
Storage Temperature	30 °F - 90 °F
Shelf Life*	5 Years

*When stored inside between 30 °F - 90 °F.

HANDLING AND STORAGE
Avoid contact with skin and eyes. Wash hands and face before breaks and immediately after handling the product. Keep containers tightly closed. Keep in a dry, cool, and well-ventilated place.

APPLICATION
Water from the irrigation spray heads slowly dissolves the SOILPAM TRACKLOG. Polymer-laden water drips from the bottom of the log into the wheel tracks as the system moves, thus reducing the soil in and around the tracks.

PRODUCT BULLETIN



SOILPAM™ TRACKSACK™

Wheel Track Management for Pivot and Lateral Irrigation Systems



BENEFITS

SNF

AGRICULTURE

SOILPAM™ TRACKLOG

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PRODUCT DESCRIPTION

SOILPAM TRACKLOG is a long-lasting, semi-solid gel log made of a linear anionic copolymer in mesh bags. When wetted, TRACKLOGS are effective in reducing the depth and severity of track ruts caused by a moving irrigation system. Use of this product also reduces pivot maintenance costs while increasing water infiltration in and around the wheel tracks in the soil.

APPLICATION

Water from the irrigation spray heads slowly dissolves the SOILPAM TRACKLOG. Polymer-laden water drips from the bottom of the log into the wheel tracks as the system moves, thus stabilizing the soil in and around the track.

TYPICAL PROPERTIES

Appearance	Semi-Solid, Gel Log
Approx. Weight of 1 Log	10 lb.
pH (0.5% Solution)	6 - 8
Storage Temperature	30 °F - 90 °F
Shelf Life*	5 Years

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Avoid contact with skin and eyes. Wash hands and face before breaks and immediately after handling the product. Keep containers tightly closed. Keep in a dry, cool, and well-ventilated place.

PRODUCT BULLETIN





SOILPAM™ TRACKSACK™

Wheel Track Management for Pivot and Lateral Irrigation Systems



BENEFITS