

From: [Branham, Katherine \(FAA\)](#)
To: [Murray, Michelle \(FAA\)](#)
Cc: [Underwood, Pam \(FAA\)](#)
Subject: RE: Camden Tag-up
Date: Thursday, July 13, 2017 12:42:16 PM

Sure, no problem. Maybe we could include Tom Braun, since he is the SME of the and can probably explain it better? If you need any more specifics.

Thanks!

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From: Murray, Michelle (FAA)
Sent: Thursday, July 13, 2017 12:28 PM
To: Branham, Katherine (FAA) <katherine.branham@faa.gov>
Cc: Underwood, Pam (FAA) <Pam.Underwood@faa.gov>
Subject: RE: Camden Tag-up

Thanks Katie, that background helps me tremendously. Do you mind if I forward it to Dan/Howard/Stacey as background for our Monday tagup?
Michelle

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From: Branham, Katherine (FAA)
Sent: Thursday, July 13, 2017 9:25 AM
To: Murray, Michelle (FAA)
Cc: Underwood, Pam (FAA)
Subject: RE: Camden Tag-up

Michelle,

SUMMARY:

Individual risk and overflight of Little Cumberland Island has been a problem from the very beginning. We have had problems with Camden's risk (they have not provided us the details) so

Tom will run the risk himself and get back with us in 2 weeks. I think this should have been done a while ago, but we did not have the necessary data (until last week) to check their work.

WHOLE STORY: _____

Camden's plan was to relocate the residents of the extremely small island during launch operations, but there was too much resistance from the residents and the board of commissioners have accepted and admitted at our last tag-up that it was not "a realistic possibility." The Applicant (Steve) has been all smiles in the media (I've been following his statements) and on calls, continuously assuring us that he had a plan and that it would all work out.

For the last 6 months, whenever we had a tag-up Steve Howard would always ask a similar question near the end of the call: "What are your [AST's] outstanding concerns? Is there anything glaring we need to address?" I continuously would find a way to ask about the relocation plan for overflight, expressing that one of our primary concerns was the plan for implementation and community buy-in on the proposed plan. We never received anything substantial:

- One plan was to launch at night and host everyone in hotels for every flight
- Another option was to launch during the middle of the day when everyone was at work, but they had no real verification plan that folks had left other than going door to door

This is the first time I've heard someone on their side (specifically one of the Commissioners) express that they also did not believe moving folks for every launch was a good plan. The gentleman who mentioned it is on the Camden County Board of Commissioners (the money). He is the one who asked if it was a "Yes or No" to even be able to fly over/near the island with their current trajectory. The original proposed trajectory did not work with a risk analysis (done by them, which we never saw) and so they have adjusted the planned trajectory, re-run the risk analysis, determined it possible there and proceeded (which we still did not see). We received the final confirmation and results from the risk scenario they ran but the input parameters and important details were omitted. Tom has asked for them several times to ensure the scenario they ran was correct.

Last week, we received what Tom Braun needed to run the analysis himself using their trajectories and the two types of rockets they proposed in their application (a Falcon9-like large rocket and a smaller Vention-type rocket). He will run the analysis to make a final determination if it will be possible for either of those rockets to fly at that location so that we can tell the Commissioner that is at least possible so that he will continue funding the project. His words at the end of the call: "If it isn't possible, why am I still spending money on it?"

Hope that helps. I will also have an internal tag-up before we discuss the final results with Camden.

Thanks!

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