To: Michael R. Orman[Orman.Michael@azdeq.gov]
From: Salazar, Matt
Sent: Thur 10/15/2015 9:04:48 PM
Subject: FW: Wind Tunnels

Hi Michael,

Got this. Can you let me know if there's been any recent inspections?
Thanks,

Matt

From: Lakin, Matt
Sent: Thursday, October 15, 2015 9:20 AM
To: Salazar, Matt <Salazar.Matt@epa.gov>
Cc: McKaughan, Colleen <McKaughan.Colleen@epa.gov>; Clancy, Maeve <Clancy.Maeve@epa.gov>
Subject: FW: Wind Tunnels

Matt,

Per my mention this morning, here is the description of the chicken barn issue. Maeve mentioned that. I believe that we think ADEQ regulates this type of facility even though it is in Maricopa County. Has this come up for you and is there anything enforcement can do? Per Maeve's note below, we have already referred them to ADEQ and Maricopa County.

Thanks,

Matt

Matthew Lakin, Ph.D.
Manager, Air Planning Office
US EPA, Region 9 (AIR-2) | 75 Hawthorne St. | San Francisco, CA 94105
P: 415.972.3851 | E: Lakin.Matthew@epa.gov

On Oct 14, 2015, at 12:51 PM, Clancy, Maeve <Clancy.Maeve@epa.gov> wrote:

Hi Colleen and Matt,

I've received a few emails about the Hickman egg farm near Tonopah. I've referred them to ADEQ and Maricopa, but I'm wondering if there is a role for the R9 Enforcement Division. Are you aware of any enforcement action or compliance assistance that ADEQ is working on for the facility, Colleen?

Maeve Clancy

EPA Region 9

Air Planning Office

415-947-4105, clancy.maeve@epa.gov

From: Raul Tijerina [mailto:tijerina372@gmail.com]
Sent: Tuesday, October 13, 2015 6:46 PM
To: Clancy, Maeve <Clancy.Maeve@epa.gov>; Quality <Quality@epa.gov>
Subject: Fwd: Wind Tunnels

I am sending you the email I sent Emily this morning. Hickmans came into our community and not only built chicken barns and continue to expand, but added on air drying manure rooms into their design. The chicken barns pollute enough, but using their ventilation fans to blow dry their manure creates far more pollutants into our community. In the afternoons their barns resemble smoke stacks laying on their sides. I believe they are the only layer operation using this practice. Also it seems we can not rely on our county or state air quality to address the issues we are having. During mid day the haze is difficult to see, but come afternoon it is more than obvious. Watch the video.

https://www.youtube.com/watch?v=wz-Hm5JvUUA

Thanks, Raul.

---------- Forwarded message ----------
From: **Raul Tijerina** <tijerina372@gmail.com>

Date: Tue, Oct 13, 2015 at 9:33 AM
Subject: Wind Tunnels
To: Emily Bonanni <bonanni.emily@azdeq.gov>

Hi Emily, I have been doing research on the design of Hickman's barns. This photo is the closest barn I could find that resembles Hickman's barn design. It appears that it is a lot more environmentally friendly. If you notice the ventilation fans are along the side of the chicken barn therefore there is no forced air blowing into the manure room. The manure room is enclosed with ventilation on the upper side walls, not open ended like the Hickman barns.Unlike Hickman's barns this one even has all of the conveyance equipment covered to minimize dust emissions. When it comes to cafo barn designs what oversight is in place to make sure these barns function properly and minimize their impact to the environment? Hickman's barns,like this one, are two building in one, unlike this one, Hickman's fans have two purposes, one; ventilation for the chickens ,two; "extended" air drying the manure. Clint Hickman calls his barns "wind tunnels". Hickman's design includes the manure room as part of the "wind tunnel". Who in their right mind would consider this design to be acceptable? Who would not figure out that if you place manure piles right in front of large ventilation fans discharging forced air in a wind tunnel fashion that the forced air is not going to disperse the particulate fines right out into the neighboring atmosphere? During my research, so far, I have not found any other cafo that does this. I believe that they need immediate corrective action on this. Also, I believe these manure rooms, as currently designed, are of an industrial nature, not agricultural. They are purposely designed in this fashion to have extended aeration for drying the manure as part of their industrial fertilizer processing. Please consider this a formal complaint. Correct me if I am wrong, thank you, Raul.