

From: (b) (6)
To: (b) (6)
Cc: (b) (6) (b) (6)
Subject: FW: 251 Mitigation
Date: Monday, June 17, 2024 8:55:42 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

(b) (6)

Per the discussions between (b) (6) and (b) (6), there are no additional requirements regarding the B251 ducting prior to the start of demolition. LFO acknowledges the path you outlined below to obtain readiness prior to commencing demolition.

(b) (6)

From: (b) (6) <(b) (6) @emcbc.doe.gov>
Sent: Saturday, June 15, 2024 8:40 AM
To: (b) (6) <(b) (6)@llnl.gov>; (b) (6) (HQ) <(b) (6) @nnsa.doe.gov>
Cc: (b) (6) <(b) (6) @emcbc.doe.gov>
Subject: Re: 251 Mitigation

Thank you both. We will proceed with the demolition in a careful monitored manner once we obtain readiness, which includes acceptance by LLNS, and I obtain approval to commence from my Project Management Executive.

(b) (6)

From: (b) (6) <(b) (6) @nnsa.doe.gov>
Sent: Friday, June 14, 2024 4:05 PM
To: (b) (6) <(b) (6)@llnl.gov>
Cc: (b) (6) <(b) (6) @emcbc.doe.gov>
Subject: FW: 251 Mitigation

(b) (6) FYSA. (b) (6)

From: (b) (6)
Sent: Friday, June 14, 2024 4:03 PM
To: (b) (6) <(b) (6) @emcbc.doe.gov>
Cc: (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6) <(b) (6) @nnsa.doe.gov>
Subject: RE: 251 Mitigation

(b) (6)

It's your call. That should work for us.

Thanks,

(b) (6)

From: (b) (6) <(b) (6) @emcbc.doe.gov>
Sent: Friday, June 14, 2024 12:00 PM
To: (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6) (b) (6) @nnsa.doe.gov>
Subject: RE: 251 Mitigation

(b) (6)

The POCS are (b) (6) from B151 and (b) (6) from Aptim. The agreement is that in the event of an unexpected result at B151, (b) (6) will immediately notify (b) (6) via phone call to pause work followed by written email. (b) (6) will set up a text chain with other APTIM personnel and me so when (b) (6) gets a call, he will immediately text us that B251 work is paused while waiting for next steps to occur. Let me know if this works for you and if you would like someone from LFO to be notified of a Pause.

Thanks,

(b) (6)

DOE-EM Federal Project Director, LBNL and LLNL
Cell: (b) (6)

From: (b) (6) @llnl.gov>
Sent: Friday, June 14, 2024 8:50 AM
To: (b) (6) (EMCBC) <(b) (6) @emcbc.doe.gov>; (b) (6) <(b) (6) @nnsa.doe.gov>
Cc: (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6) (EMCBC) <(b) (6) @emcbc.doe.gov>; (b) (6) @llnl.gov>; (b) (6) @llnl.gov>
Subject: RE: 251 Mitigation

Hi (b) (6)

(b) (6) and I met yesterday, and even with the new information that was learned about approach on the walk today, there are still concerns with ducting remaining in the building during

demolition, and the preferred mitigation is removal prior to demolition of the structure.

If we need to set up a meeting next week to discuss further, please let us know.

Thanks,

(b) (6), T&D IPT Lead | O: 925-423-5720 | C: (b) (6) | E:
(b) (6)



From: (b) (6) <(b) (6) @emcbc.doe.gov>
Sent: Friday, June 14, 2024 8:36 AM
To: (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6)
(b) (6) >; (b) (6) @llnl.gov>
Cc: (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6) Y
<(b) (6) @nnsa.doe.gov>; (b) (6) <(b) (6) @EMCBC.DOE.GOV>
Subject: RE: 251 Mitigation

(b) (6)

As it stands, the Lab has not provided any “requirements” to LFO for implementation by EM. I believe that we already have an air monitoring/sampling agreement in place between B151 and Aptim that allows for the requested Pauses. However, if B151 personnel need to perform more frequent sampling on their side, they should notify Aptim of the increased frequency. Can you please set up a meeting with Pertinent parties for next Monday or Tuesday so that we can come to resolution on actual requirements? It sounds like the meeting would need to include (b) (6) or his designee.

Thanks,

(b) (6)

DOE-EM Federal Project Director, LBNL and LLNL
Cell: (b) (6)

From: (b) (6) <(b) (6) @nnsa.doe.gov>
Sent: Thursday, June 13, 2024 5:32 PM

To: (b) (6) <(b) (6) @emcbc.doe.gov>; (b) (6) (b) (6) @llnl.gov>; (b) (6) @llnl.gov>
Cc: (b) (6) (HQ) <(b) (6) @nnsa.doe.gov>; (b) (6) (HQ) (b) (6) @nnsa.doe.gov>
Subject: RE: 251 Mitigation

This is my understanding of things: (b) (6) discussions with (b) (6) were entirely independent of the demo approach discussions that took place today. If the walkthrough and subsequent discussions were fruitful, then the (b) (6) and (b) (6) discussions would be irrelevant. Since that didn't happen, (b) (6) comp measure that was worked out with (b) (6) and communicated to (b) (6) now comes into play and is what we should be working towards finalizing. (I know that is (b) (6) view.)

If (b) (6) wants to confirm the same with (b) (6) then that's up to (b) (6). But as far as (b) (6) is concerned, he believes we need to work it out based on (b) (6) has communicated.

From: (b) (6) <(b) (6) @emcbc.doe.gov>
Sent: Thursday, June 13, 2024 5:16 PM
To: (b) (6) @llnl.gov>; (b) (6) @llnl.gov>; (b) (6) <(b) (6) @nnsa.doe.gov>
Cc: (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6) <(b) (6) @nnsa.doe.gov>
Subject: Re: 251 Mitigation

I heard he was out this week. I will talk to APTIM tomorrow to make sure I have their understanding of the Pause controls. Can you please work with (b) (6) about the necessary demo approach? I don't see much of a difference between vent ducting that has been surveyed as <MDA and fogged from a wall that has been surveyed as <MDA. I would also like to understand how this potential requirement will apply to other nearby activities since it is based on perception.

(b) (6)

From: (b) (6) <(b) (6) @nnsa.doe.gov>
Sent: Thursday, June 13, 2024 4:28:49 PM
To: (b) (6) @llnl.gov>; (b) (6) @llnl.gov>
Cc: (b) (6) <(b) (6) @emcbc.doe.gov>; (b) (6) (HQ) <(b) (6) @nnsa.doe.gov>; (b) (6) (HQ) <(b) (6) @nnsa.doe.gov>
Subject: FW: 251 Mitigation

It looks like (b) (6) wants us to work with (b) (6) to finalize the details of the stop work process. Do you guys want to talk with him? Do you want to set up a meeting with all of us, including APTIM? Let me know what the most expedient process is to get to resolution.

Thanks

(b) (6)

From: (b) (6) <(b) (6) @llnl.gov>
Sent: Thursday, June 13, 2024 4:22 PM
To: (b) (6) <(b) (6) @nnsa.doe.gov>; (b) (6) @llnl.gov>
Cc: (b) (6) @llnl.gov>; (b) (6) EMCBC
<(b) (6) @emcbc.doe.gov>; (b) (6) <(b) (6) @nnsa.doe.gov>
Subject: RE: 251 Mitigation

Thanks so much for trying to get a win win solution.

I believe (b) (6) will be the point of contact for pause work. He may also identify an alternate if he is out of the office. We agree that this list should be very short. We defer to (b) (6) on how he would like to be contacted, I would suggest texting, but I defer to you.

Best, (b) (6)

From: (b) (6) <(b) (6) @nnsa.doe.gov>
Sent: Thursday, June 13, 2024 3:24 PM
To: (b) (6) <(b) (6) @llnl.gov>
Cc: (b) (6) @llnl.gov>; (b) (6) <(b) (6) @EMCBC.DOE.GOV>;
(b) (6) @nnsa.doe.gov>
Subject: RE: 251 Mitigation

(b) (6)

(b) (6) and I spoke earlier this afternoon. Based on the agreed-upon process, (b) (6) believes that you already could pause work. If you want to move forward with this, we would need to know a couple of things.

1. Who will have the authority to pause work? We would a very short list, if not one person.
2. What is the process to notify (b) (6)? Email? Phone call? Text?

I don't think that a tour is necessary. But if you think that it would be valuable if we met, we are willing to discuss the parameters.

Thanks,

(b) (6)

From: (b) (6) <(b) (6) @llnl.gov>
Sent: Thursday, June 13, 2024 2:16 PM
To: (b) (6) <(b) (6) @nnsa.doe.gov>
Cc: (b) (6) @llnl.gov>
Subject: Re: 251 Mitigation

(b) (6) is willing to give (b) (6) and you a tour if that would be helpful.

(b)
(6)

Sent from [Workspace ONE Boxer](#)

On June 13, 2024 at 6:17:18 AM PDT, (b) (6) <(b) (6) @nnsa.doe.gov> wrote:

Thanks. It seems like a reasonable option. We'll have to work out the details. I will try to meet with (b) (6), et al, today.

From: (b) (6) <(b) (6) @llnl.gov>
Sent: Wednesday, June 12, 2024 3:25:41 PM
To: (b) (6) <(b) (6) @nnsa.doe.gov>
Cc: (b) (6) @llnl.gov>
Subject: RE: 251 Mitigation

I promised that I would give you a preliminary response regarding 251 demolition today, so I'm forwarding you the attached from PLS. (b) (6) did a really nice job analyzing the hazards and is willing to meet with us to provide more details.

As highlighted in yellow, they are really concerned about the exhaust ventilation and wonder if some of this could be removed separately.

Another option if the answer is "no", is to allow LLNL to pause work "immediately" based upon frequent air sampling. We would want to have some sort of direct interface if this is allowable to reduce any damage to experiments or equipment.

We can discuss further and bring (b) (6) into the conversation at your earliest convenience. Please let us know what you think. (b)

)

From: (b) (6) @llnl.gov>
Sent: Wednesday, June 12, 2024 12:14 PM
To: (b) (6) <(b) (6) @llnl.gov>; (b) (6) @llnl.gov>
Cc: (b) (6) @llnl.gov>; (b) (6) @llnl.gov>
Subject: Re: 251 Mitigation

+cc (b) (6)

Hi (b) (6) ,

A barrier was installed at the B151 complex intake to achieve limited discrimination of large particles through airflow deflection. Installing high efficiency filters would restrict air flow and affect pressure balance in the buildings and it would take time and money to investigate how much flow restriction the ventilation system can overcome. We are also going to install sticky mats at the entrances to the buildings.

Besides removing contaminated ventilation components, we believe the most effective way to avoid long term impacts to B151 capabilities is by conducting frequent air sampling and stopping demolition activities when elevated levels are detected. This won't stop short duration spikes in background levels from occurring, but it would prevent radioactivity from accumulating to levels that would diminish capabilities long term. This sampling and work-stop feedback process is documented in the demolition plan and serves as an important backstop against this worst-case scenario.

My understanding is that there are ventilation components left in B251 that could be removed at modest cost while there are other components would be more costly to remove. If there is room for compromise, I would focus on removing as much exhaust ventilation as cost and schedule can support.

If there is time before you need to respond to EM or LFO, we would appreciate the opportunity to provide additional information and answer any questions you have.

Kind regards,

(b) (6)



(b) (6)

Deputy Principal Associate Director for Operations

Physical and Life Sciences (PLS)

(b) (6) @llnl.gov | (b) (6) L-051

Administrative Assistant: (b) (6)

(b) (6) @llnl.gov | (b) (6)

*Feedback, input, and/or questions
for the PLS Ops Team*