Message

From: McEvoy, Molly [mcevoy.molly@epa.gov]
Sent: 9/23/2020 5:17:22 PM
To: Ho, Yenhung [Ho.Yenhung@epa.gov]
Subject: RE: CES Permit Timeline

Thanks for catching that! My PDF viewer showed a blank there in the permit app.

From: Ho, Yenhung <Ho.Yenhung@epa.gov>
Sent: Wednesday, September 23, 2020 1:14 PM
To: McEvoy, Molly <mcevoy.molly@epa.gov>
Subject: RE: CES Permit Timeline

Hi Molly,

Thank you for sharing the below bullets. They look consistent with the information from our slides to Bill, except that we say the life of the project is 20 years. Calvin

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From: McEvoy, Molly <mcevoy.molly@epa.gov>
Sent: Wednesday, September 23, 2020 9:54 AM
To: Ho, Yenhung <Ho.Yenhung@epa.gov>
Subject: RE: CES Permit Timeline

Thank you for the updated timeline. I put together the bullets below on CES background my management. If you have time, could you also let me know if any of this looks awry?

Background on Clean Energy System Mendota, a proposed geologic sequestration/ UIC Class VI project

- Clean Energy Systems' (CES) goal with this project is to capture and store greater than 99% of the carbon produced at a biomass plant in the central valley of California for a carbon negative energy project.
- In February, 2020 CES applied for one UIC Class VI permit for one injection well to be located in Mendota, California. EPA Region 9 completed its administrative review of the permit application and is currently performing a technical evaluation of the proposed project.
- The anticipated CO_2 mass to be captured and injected at the project is 350,000 tons/year over twelve years (4.2 million tons total) to 20 years (7 million tons total).
- The injection zone (a sandstone formation) is located 9,000 to 10,000 feet below ground surface. The lowermost USDW above the injection zone is about 1,400 feet below ground surface.

Thanks again,
Molly

Background on Clean Energy System Mendota, a proposed geologic sequestration/ UIC Class VI project

- Clean Energy Systems' (CES) goal with this project is to capture and store greater than 99% of the carbon produced at a biomass plant in the central valley of California for a carbon negative energy project.
- In February, 2020 CES applied for one UIC Class VI permit for one injection well to be located in Mendota, California. EPA Region 9 completed its administrative review of the permit application and is currently performing a technical evaluation of the proposed project.
- The anticipated CO_2 mass to be captured and injected at the project is 350,000 tons/year over twelve years, for a total of 4.2 million tons over the lifetime of the project.
- The injection zone (a sandstone formation) is located 9,000 to 10,000 feet below ground surface. The lowermost USDW above the injection zone is about 1,400 feet below ground surface.

Thanks again,
Molly

From: Ho, Yenhung <Ho.Yenhung@epa.gov>
Sent: Wednesday, September 23, 2020 11:57 AM
To: McEvoy, Molly <mcevoy.molly@epa.gov>
Subject: RE: CES Permit Timeline

Hi Molly,

The timeline has changed. Please see the attached slides 4 and 5 regarding tech evaluation comments to CES.

Regards,
Calvin

From: McEvoy, Molly <mcevoy.molly@epa.gov>
Sent: Wednesday, September 23, 2020 8:37 AM
To: Ho, Yenhung <Ho.Yenhung@epa.gov>
Subject: CES Permit Timeline
Importance: High

Hi Calvin,

This is a timeline I have for the CES project from back in April. Could you confirm that R9 is still on track for this or let me know if this needs to be revised? Management need this soon, I will find out exactly how soon.

February 18: CES Class VI application received
March 20: Administrative review complete
April 16: TD sent to Cadmus
June 30: Expect to receive technical reports from Cadmus
July – August: R9 reviews Cadmus reports and requests additional information from CES
September – October: CES responds to requests for information (given 30-60 days depending on complexity)
November – December: R9 reviews additional information
January – March, 2021: Draft Permit conditions
April 2021: Public notice and comment period
May – July, 2021: Respond to comments, final permit decision

Thanks,
Molly

Molly McEvoy
Office of Ground Water & Drinking Water
U.S. Environmental Protection Agency
Washington, D.C.
Phone: 202-564-4765