



## Interoffice Memorandum

To: Patrick Lennberg  
From: Rob Zuber *RDZ*  
Cc: Michael Cunningham and Jared Ebert  
Date: September 15, 2023  
Subject: Application for Bernhardt Sand and Gravel Pit (M-2023-025),  
Request for assistance with groundwater review

Hi, Patrick -

I found the Bernhardt Sand and Gravel Pit (Bernhardt) application complete on September 14, 2023. I am performing the adequacy review for this new 112 application, and I have placed the application on the V drive: V:\Coal\RDZ\Bernhardt Pit.

I am requesting your assistance with the groundwater portion of the application, in particular:

- Exhibit G, Water Information, pages 29 – 33 of the pdf file on the V: drive.
- Exhibit G, Groundwater Evaluation (report by McGrane Water Engineers), pages 34 – 64 of the pdf file.

Note that the McGrane Engineering report discusses an analysis performed with the program MODFLOW2000. One consideration for your review: do you need to review any additional files related to this model (such as input files), or is it sufficient to review the report included in submittal?

Please submit a memorandum to me by November 3, 2023, if possible. If you need more time, please let me know. (I realize that the time frame is impacted by the answer to the question in the previous paragraph.) Also, do not hesitate to contact me with questions about the application. If necessary, I can put you in contact with the applicant and/or his consultant.

Many thanks,  
Rob

