

## Linda M. DeRosa

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**From:** Beth Hummer  
**Sent:** Monday, July 24, 2023 5:08 PM  
**To:** People Concern  
**Subject:** FW: AVWM New Production Application - Barrel Springs

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### Beth Hummer

#### Counsel

Hanson Bridgett LLP  
(213) 395-7646 Direct  
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**From:** David Larson <david@redbricksolution.com>  
**Sent:** Sunday, July 23, 2023 12:44 PM  
**To:** Beth Hummer <BHummer@hansonbridgett.com>  
**Cc:** Claire H. Collins <CCollins@hansonbridgett.com>; David C. Casarrubias <DCasarrubias@hansonbridgett.com>  
**Subject:** [EXTERNAL] FW: AVWM New Production Application - Barrel Springs

**EXTERNAL:** Use caution when opening attachments, links or responding to this e-mail.

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DWL, Principal

#### RED BRICK SOLUTION, LLC

C 661-816-5179  
O 801.224.5335

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**From:** Kate White <[KWhite@toddgroundwater.com](mailto:KWhite@toddgroundwater.com)>  
**Sent:** Wednesday, November 30, 2022 2:23 PM  
**To:** David Larson <[david@redbricksolution.com](mailto:david@redbricksolution.com)>  
**Cc:** Phyllis Stanin <[PStanin@toddgroundwater.com](mailto:PStanin@toddgroundwater.com)>; Christie Larson <[Christie@redbricksolution.com](mailto:Christie@redbricksolution.com)>  
**Subject:** RE: AVWM New Production Application - Barrel Springs

Hi David, thanks for the clarification. It sounds like you would like the New Production application to be for 50 AFY. This is the amount that we would conduct a Material Injury analysis on. The approved New Production amount would be the maximum amount that can be pumped from the identified proposed well location and approved New Production amounts do not consider return flows.

A subsequent New Production application, perhaps for the rest of the water requested, would then need to be submitted with additional aquifer parameter information once the well is installed. We would use that information to conduct a Material Injury analysis on the increased amounts.

We are also waiting for Palmdale Water District to review their letter sent to you.

Thanks,  
Kate

*Kate White, PE*  
Senior Civil Engineer



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**From:** David Larson <[david@redbricksolution.com](mailto:david@redbricksolution.com)>  
**Sent:** Wednesday, November 30, 2022 1:10 PM  
**To:** Kate White <[KWhite@toddgroundwater.com](mailto:KWhite@toddgroundwater.com)>  
**Cc:** Phyllis Stanin <[PStanin@toddgroundwater.com](mailto:PStanin@toddgroundwater.com)>; Christie Larson <[Christie@redbricksolution.com](mailto:Christie@redbricksolution.com)>  
**Subject:** RE: AVWM New Production Application - Barrel Springs

Kate look at the conclusions it outlines our phasing needs year-1 40-50 af but our actual drawdown on the aquifer is 15 af-dwl

Sent from [Mail](#) for Windows

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**From:** [Kate White](#)  
**Sent:** Wednesday, November 30, 2022 2:02 PM  
**To:** [David Larson](#)  
**Cc:** [Phyllis Stanin](#); [Christie Larson](#)  
**Subject:** RE: AVWM New Production Application - Barrel Springs

Hi David,

Thanks for sending over the additional water use information with the project stages. When we spoke last week, I mentioned that it might be better to request a smaller amount of New Production and then, after the

well was installed and aquifer tests conducted, request an additional amount. What amount would you like to request for the Material Injury analysis and for consideration of approval at the January 25, 2023 Board meeting?

Also, were you able to locate information to address the second and third bullets in my previous email to you?

- Additional information on existing, nearby wells within the vicinity (~1.5 mile radius) of the project site. Information would include sources used to identify wells, well status, parcel numbers on which these wells are located, and well construction/capacity information.
- APN(s) of the Small Pumper property that the applicant had previously sold and the new owner and contact for that property.

Unfortunately, this cannot be placed on the agenda for the December 7 Special AVWM Board meeting. Material is to first go to the Advisory Committee which meets a week before the Board meeting. That meeting is today and the agenda packet for that meeting went out on November 22, before the Thanksgiving holiday.

Thanks,  
Kate

*Kate White, PE*  
Senior Civil Engineer



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**From:** David Larson <[david@redbricksolution.com](mailto:david@redbricksolution.com)>  
**Sent:** Wednesday, November 30, 2022 9:42 AM  
**To:** Kate White <[KWhite@toddgroundwater.com](mailto:KWhite@toddgroundwater.com)>  
**Cc:** Phyllis Stanin <[PStanin@toddgroundwater.com](mailto:PStanin@toddgroundwater.com)>; Christie Larson <[Christie@redbricksolution.com](mailto:Christie@redbricksolution.com)>  
**Subject:** RE: AVWM New Production Application - Barrel Springs

Kate, please see attached response and memo.

Cordially,



**DAVID W. LARSON, PE**  
Principal

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**From:** Kate White <[KWhite@toddgroundwater.com](mailto:KWhite@toddgroundwater.com)>  
**Sent:** Monday, November 21, 2022 5:08 PM  
**To:** David Larson <[david@redbricksolution.com](mailto:david@redbricksolution.com)>  
**Cc:** Phyllis Stanin <[PStanin@toddgroundwater.com](mailto:PStanin@toddgroundwater.com)>  
**Subject:** RE: AVWM New Production Application - Barrel Springs

Hi David,

It was great to talk with you today. As discussed, the Barrel Springs New Production application has been moved to the January 25, 2023 AVWM Board meeting.

You suggested that the project could be divided into phases, which I think is a good idea considering the lack of local hydrogeologic information. If a smaller phase (less water use) of the project was approved first, you could then conduct an aquifer test on the test well so that aquifer parameters could be developed to better identify potential impacts on local wells and to determine the amount of water a well could produce in that area. This information would then be used to evaluate potential additional phases of the project.

To conduct our Material Injury analysis, we would like additional information on existing, local wells in the vicinity of the project site. Some of this information may have already been collected because the Geosyntec report shows wells from Well Completion Reports (Figure 2) but locations are approximate (no scale) and no additional information is provided.

Would it be possible to get us the following information within the next few weeks?

- A phased development approach for the project. The New Production request that would go in front of the Board in January would be for the new, lower water use amount. Approval of additional New Production amounts might be based, in part, on the well performance and on aquifer parameters from aquifer testing.
- Additional information on existing, nearby wells within the vicinity (~1.5 mile radius) of the project site. Information would include sources used to identify wells, well status, parcel numbers on which these wells are located, and well construction/capacity information.
- APN(s) of the Small Pumper property that the applicant had previously sold and the new owner and contact for that property.

Palmdale Water District is also reviewing the project site background and history. We will let you know if that results in any changes to the letter they provided you.

Thanks again for talking with me and let me know if you have any questions or want to discuss this further.

Kate

*Kate White, PE*  
Senior Civil Engineer



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**From:** David Larson <[david@redbricksolution.com](mailto:david@redbricksolution.com)>  
**Sent:** Friday, November 18, 2022 8:28 AM  
**To:** Kate White <[KWhite@toddgroundwater.com](mailto:KWhite@toddgroundwater.com)>  
**Cc:** Phyllis Stanin <[PStanin@toddgroundwater.com](mailto:PStanin@toddgroundwater.com)>; Angel Fitzpatrick <[afitzpatrick@avwatermaster.net](mailto:afitzpatrick@avwatermaster.net)>; Arden Wells <[Awells@toddgroundwater.com](mailto:Awells@toddgroundwater.com)>; Jessica Alwan <[jalwan@hgcpm.com](mailto:jalwan@hgcpm.com)>; Taylor Blakslee <[tblakslee@hgcpm.com](mailto:tblakslee@hgcpm.com)>; Joshua Montoya <[jmontoya@hgcpm.com](mailto:jmontoya@hgcpm.com)>  
**Subject:** RE: AVWM New Production Application - Barrel Springs

Kate, I am available at your convenience. Todd can call me direct at 661.816.5179 or we can do a zoom call.

Cordially,



**DAVID W. LARSON, PE**  
Principal

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**From:** Kate White <[KWhite@toddgroundwater.com](mailto:KWhite@toddgroundwater.com)>

**Sent:** Thursday, November 17, 2022 8:00 PM

**To:** David Larson <[david@redbricksolution.com](mailto:david@redbricksolution.com)>

**Cc:** Phyllis Stanin <[PStanin@toddgroundwater.com](mailto:PStanin@toddgroundwater.com)>; Angel Fitzpatrick <[afitzpatrick@avwatermaster.net](mailto:afitzpatrick@avwatermaster.net)>; Arden Wells <[Awells@toddgroundwater.com](mailto:Awells@toddgroundwater.com)>; Jessica Alwan <[jalwan@hgcpm.com](mailto:jalwan@hgcpm.com)>; Taylor Blakslee <[tblakslee@hgcpm.com](mailto:tblakslee@hgcpm.com)>; Joshua Montoya <[jmontoya@hgcpm.com](mailto:jmontoya@hgcpm.com)>

**Subject:** AVWM New Production Application - Barrel Springs

Hi Mr. Larson,

Thank you for providing the Antelope Valley Watermaster with the New Production application for Barrel Springs (attached). The requested New Production amount (120 AFY) is one of the highest that we have received to date and to conduct a complete Material Injury Analysis, we need additional information. This application will likely receive much scrutiny at the Antelope Valley Watermaster Advisory Committee and Board meetings.

Our main concern is the lack of local hydrogeologic information and the potential that production of 120 AFY (75 gpm) may impact nearby wells. Would you be available for a call to discuss this with Todd Groundwater, the Antelope Valley Watermaster Engineer?

Here is a brief summary of what we would like to discuss:

1. Do you intend to drill a test well and conduct an aquifer test to develop aquifer parameters to better identify potential impacts on local wells and to determine if a well in the proposed location can support a water use of 120 AFY?
2. The Geosyntec report shows wells from Well Completion Reports (Figure 2) within the vicinity of the project site, but locations are approximate (no scale) and no additional information is provided. We need additional information on these wells such as sources used to identify wells, well status, parcel numbers on which these wells are located, and well construction/capacity information.
3. Potential impacts of faulting on the production of the proposed well and on other nearby wells.

Please let me know if you have any questions and when would be a good time for you to discuss this with us.

Thanks,  
Kate

*Kate White, PE*  
Senior Civil Engineer



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