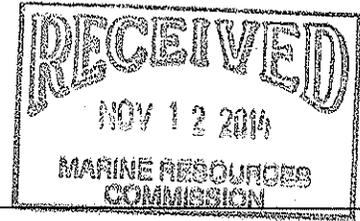


**Atkins, Lou (MRC)**

**From:** Howell, Beth (MRC)  
**Sent:** Wednesday, November 12, 2014 8:20 AM  
**To:** Atkins, Lou (MRC)  
**Subject:** FW: JRWA - Additional Information Requested



**From:** Eversole, Mark (MRC)  
**Sent:** Wednesday, November 12, 2014 8:18 AM  
**To:** Howell, Beth (MRC)  
**Subject:** FW: JRWA - Additional Information Requested

Additional info. 14-0343

**From:** Joe Hines [<mailto:Joe.Hines@timmons.com>]  
**Sent:** Tuesday, November 11, 2014 12:41 AM  
**To:** Marsala, Sarah (DEQ)  
**Cc:** Kudlas, Scott (DEQ); [bbd304@comcast.net](mailto:bbd304@comcast.net); Steve Nichols ([snichols@fluvannacounty.org](mailto:snichols@fluvannacounty.org)); David Saunders; Christian Goodwin ([cgoodwin@louisiana.org](mailto:cgoodwin@louisiana.org)); [Steven.A.Vanderploeg@usace.army.mil](mailto:Steven.A.Vanderploeg@usace.army.mil); Eversole, Mark (MRC)  
**Subject:** RE: JRWA - Additional Information Requested

Thanks Sarah. We will review and work on responses to get them back by December 5<sup>th</sup>.  
Thanks,  
Joe

**From:** Marsala, Sarah (DEQ) [<mailto:Sarah.Marsala@deq.virginia.gov>]  
**Sent:** Monday, November 10, 2014 1:53 PM  
**To:** Joe Hines  
**Cc:** Kudlas, Scott (DEQ); [bbd304@comcast.net](mailto:bbd304@comcast.net); Steve Nichols ([snichols@fluvannacounty.org](mailto:snichols@fluvannacounty.org)); David Saunders; Christian Goodwin ([cgoodwin@louisiana.org](mailto:cgoodwin@louisiana.org)); [Steven.A.Vanderploeg@usace.army.mil](mailto:Steven.A.Vanderploeg@usace.army.mil); Eversole, Mark (MRC)  
**Subject:** JRWA - Additional Information Requested

Joe,

DEQ has reviewed the additional information response received Oct. 30<sup>th</sup> in your below email. Based upon our review of the submittal, additional information is still needed to complete the permit application. A summary of that information is provided below.

1. The submittal indicates that temporary impacts to surface waters may occur that are associated with installation of the water line. Based upon staff review of the information submitted thus far, specifically the wetland delineation map and the proposed water line route, surface waters appear to be impacted by the water line located between the intake structure and the Rivanna River crossing. All proposed impacts to surface waters, even temporary impacts, located within the limits of the proposed project must be identified for review by DEQ. Provide the following information to enable our review:
  - a. Type of surface water to be impacted.
  - b. Amount of impact in acreage and if a stream channel, in linear feet.
  - c. Plan view of the proposed impact area that identifies, at minimum, the following:
    - i. Jurisdictional boundaries of the surface water and the extent of the proposed impact area.
    - ii. Proposed and existing contours
    - iii. Proposed and existing structures
2. Information was provided regarding the selection of the 2030 water demands for each County's economic development prospects in the table entitled "Summary of County Approved Water Supply Plans with Project

Demands.” However, discussion regarding the selection for the 2045 demands were not provided. Please provide.

3. Based staff’s review of the proposed peak day factor and the revised “Summary of County Approved Water Supply Plans with Project Demands,” we have the following questions:
  - a. Clarify the peak day factor proposed. In the September 12, 2014 submittal, a factor of 1.87 was requested. However, in the October 30, 2014 submittal, a peak day factor of 1.85 is proposed.
  - b. Multiple peak day factors appear to be used in the revised “Summary of County Approved Water Supply Plans with Project Demands” table. The ratio between the average day and peak day values vary as follows: 1.85 for “Total Demand” value, 1.67 for service areas and economic development prospect values and 1.99 for “Adjusted Allocation Request for Louisa” value. Discuss the differences mentioned above.
  - c. It appears that Note 4 needs to be updated in regards to the maximum day volume of water requested.
4. Based upon the information provided, approximately 40% of the withdrawal will be returned to the James River watershed. Is the location of the return flow known? If so, provide the approximate locations of any return flows.

Please provide the above requested information by December 5<sup>th</sup>. If you have any questions or concerns regarding the above, please contact me.

Respectfully,

Sarah K. Marsala

Surface Water Withdrawal Project Manager  
Office of Water Supply  
VA Dept. of Environmental Quality  
13901 Crown Court, Woodbridge, VA 22193  
703-583-3898 (direct)  
703-583-3821 (fax)  
[sarah.marsala@deq.virginia.gov](mailto:sarah.marsala@deq.virginia.gov)  
[www.deq.virginia.gov](http://www.deq.virginia.gov)

ADDITIONAL INFO  
REVISION

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**From:** Joe Hines [<mailto:Joe.Hines@timmons.com>]

**Sent:** Thursday, October 30, 2014 9:44 PM

**To:** Marsala, Sarah (DEQ)

**Cc:** Kudlas, Scott (DEQ); [bbd304@comcast.net](mailto:bbd304@comcast.net); Steve Nichols ([snichols@fluvannacounty.org](mailto:snichols@fluvannacounty.org)); David Saunders; Christian Goodwin ([cgoodwin@louisa.org](mailto:cgoodwin@louisa.org))

**Subject:** JRWA - Responses to 9/26/14 and 9/30/14 emails

Sarah,

Hope you are doing well. Please find the attached responses with supporting information to your email requests for additional information dated 9/26/14 and 9/30/14.

Please let us know if you have any questions or need any additional information.

Sincerely,

Joe

**Joseph C. Hines, PE, MBA**

*Principal*

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*Your Vision Achieved Through Ours*