

## Wilson, Tabatha

---

**From:** Ungerank, Colby  
**Sent:** Tuesday, September 15, 2015 1:17 PM  
**To:** Deardoff, Amy  
**Subject:** FW: ADEQ  
**Attachments:** Waterford Dripfield loading rates by zone.pdf

4815-WR-4\_Loading Rates

Colby

---

**From:** Kathy Bartlett [<mailto:kathy@aquatechsys.com>]  
**Sent:** Tuesday, September 15, 2015 11:13 AM  
**To:** Ungerank, Colby  
**Cc:** 'Robert Holmes'  
**Subject:** RE: ADEQ

Colby

Attached is the information on the drip field by zone. An original is being mailed to you today as well

Kathy Bartlett

---

**From:** Ungerank, Colby [<mailto:UNGERANK@adeq.state.ar.us>]  
**Sent:** Wednesday, September 09, 2015 9:08 AM  
**To:** 'Kathy Bartlett'  
**Cc:** 'Junie Presley'; Solaimanian, Jamal; Deardoff, Amy  
**Subject:** RE: ADEQ

Kathy,

Based on your request for an extension in the email below, the Department will grant you an extension until September 18, 2015. Please submit to the Department all the requested deficiencies no later than September 18, 2015. Please note that if the Department does not receive the requested information by the set deadline above, your application will be placed on inactive status and sent to the Enforcement Branch. An application in an inactive status does not meet the requirements of having a renewal application submitted to the Department 180 days prior to the expiration date for administratively continuing an expired permit.

Colby

---

**From:** Kathy Bartlett [<mailto:kathy@aquatechsys.com>]  
**Sent:** Tuesday, September 08, 2015 1:47 PM  
**To:** Ungerank, Colby  
**Cc:** 'Junie Presley'  
**Subject:** RE: ADEQ

Colby

I just had a conversation with Mr. Presley. He told me that he had just had a conversation with you and explained his circumstances of with him being involved with other projects with specific deadlines he needs to meet. He would like to

request additional time beyond Sept 14 to compile the information on the zones in the drip field you requested in your email Aug 27. Mr. Presley would like to request the maximum time allowable by the department to meet your request of this additional information.

Please advise at your earliest convenience

Thank You  
Kathy Bartlett

---

**From:** Ungerank, Colby [<mailto:UNGERANK@adeq.state.ar.us>]  
**Sent:** Thursday, August 27, 2015 3:23 PM  
**To:** 'Kathy Bartlett'  
**Cc:** 'Robert Holmes'  
**Subject:** RE: ADEQ

Please have it stamped and signed by PE.

Colby

---

**From:** Kathy Bartlett [<mailto:kathy@aquatechsys.com>]  
**Sent:** Thursday, August 27, 2015 3:13 PM  
**To:** Ungerank, Colby  
**Cc:** 'Robert Holmes'  
**Subject:** RE: ADEQ

Ok, I'll get with the original engineer and soils scientist to have them create this table for you

---

**From:** Ungerank, Colby [<mailto:UNGERANK@adeq.state.ar.us>]  
**Sent:** Thursday, August 27, 2015 3:10 PM  
**To:** 'Kathy Bartlett'  
**Cc:** 'Robert Holmes'; Solaimanian, Jamal; 'Tom Bartlett'  
**Subject:** RE: ADEQ

Yes, need the information for that table.

Colby

---

**From:** Kathy Bartlett [<mailto:kathy@aquatechsys.com>]  
**Sent:** Thursday, August 27, 2015 3:07 PM  
**To:** Ungerank, Colby  
**Cc:** 'Robert Holmes'; Solaimanian, Jamal; 'Tom Bartlett'  
**Subject:** RE: ADEQ

Just so I understand this correctly you want the square feet and the loading rate for each of the different zones within the primary and reserve fields. I have seen on some recently renewed permits the following table:  
I assume this is what you are looking for, is that correct?

Zone Identification	Loading rate (GPD/sf <sub>z</sub> )	Max Capacity (GPD)

---

**From:** Ungerank, Colby [<mailto:UNGERANK@adeq.state.ar.us>]  
**Sent:** Thursday, August 27, 2015 12:55 PM  
**To:** 'Kathy Bartlett'; 'solaimanian@adeq.state.ar.us'  
**Cc:** 'Robert Holmes'; 'Junie Presley'; 'Tom Bartlett'  
**Subject:** RE: ADEQ

Kathy,

The Department needs to know the sqft and loading for each drip field/zone not the total amount.

Colby

---

**From:** Kathy Bartlett [<mailto:kathy@aquatechsys.com>]  
**Sent:** Thursday, August 27, 2015 11:42 AM  
**To:** Ungerank, Colby; [solaimanian@adeq.state.ar.us](mailto:solaimanian@adeq.state.ar.us)  
**Cc:** 'Robert Holmes'; 'Junie Presley'; 'Tom Bartlett'  
**Subject:** FW: ADEQ

Colby

In response to your attached letter to Mr Holmes with the deficiencies copied below, you have added the need for additional information and consider there to be deficiencies making the information technically incomplete. In your letter dated July 13, 2015 under Deficiencies # 1. B iii you requested " Size of each drip field" The plan I submitted in response specifically page 9/40 showed the sizes of the fields:  
Primary = 7.72 acres  
Reserve = 2.67 acres

In response to your new request specifically requesting square footage I am providing the following mathematical calculation  
Primary 7.72 acres X 43,560 sf per acre = 336,283 total SF  
Reserve 2.67 acres X 43,560 sf per acre = 116,305 total SF

The loading Rate ( gallons per day) for each Drip Field ( Primary and Rserve) is shown on the same plan and page number (9/B) The Primary field loading rate is 52,520 GPD and the Reserve field is 18,382 GPD, which was written onto the plan and stamped by the design engineer, Mr. Charlee Presley.

The maximum capacity for each drip field is the same as the loading rate, The Primary field maximum capacity is 52,520 GPD and the Reserve field is 18,382 GPD

Deficiencies

NOT ADEQ

- I. The Waste Management Plan is incomplete. Please submit a revised Waste Management Plan for your facility with the following information:
  - A. Table detailing the drip fields. The table shall include, but not limited to, the following:
    - i. Size (square footage) of the Each Drip Field (Primary and Reserved);
    - ii. Loading Rate (gallons per day) for each Drip Field (Primary and Reserved); and
    - iii. Maximum design capacity for each Drip Field.

Beyond this information, if there is anything further you require please let the permittee, Mr Holmes know and he will forward your request to us to resolve.

Thank You  
Kathy Bartlett  
Internal Operations Manager  
Aqua Tech Systems  
Office 479-527-9880  
Direct: 479-530-5926

---

**From:** Robert Holmes [<mailto:robert@hhhfund.com>]  
**Sent:** Thursday, August 27, 2015 10:02 AM  
**To:** Tom Bartlett; [kathy@aquatechsys.com](mailto:kathy@aquatechsys.com)  
**Subject:** ADEQ

Tom and Kathy:

Attached is the letter I received from ADEQ this morning.

Let me know if I need to do anything.

Thanks.

**Robert H. Holmes II**  
HHH Fund I, LLC  
3838 Oaklawn Ave, Suite 920  
Dallas, Texas 75219  
214-613-0506 (Office)  
214-797-5849 (Cell)  
214-520-1705 (Fax)

**WATERFORD ESTATES SUBDIVISION  
DRIP FIELD CALCULATIONS**

Zone Identification	Loading rate (GPD/sf2)	Max Capacity (GPD)
PRIMARY FIELD		
1A	0.20	4,377
1B	0.19	4,158
2A	0.19	4,158
2B	0.18	3,939
3A	0.19	4,158
3B	0.19	4,158
4A	0.19	4,158
4B	0.19	4,158
5A	0.21	4,596
5B	0.22	4,814
6A	0.21	4,596
6B	0.24	5,252
RESERVE FIELD		
*** no identification #	0.17	3,720

\*\*\* there are 4 pits that were analyzed in the reserve area and this is the loading rate average for these pits . The zones have not been identified or laid out. The overall reserve field is 2.67 acres which was required by the first permit issued on this facility

