



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1445 North Orchard • Boise, Idaho 83706 • (208) 373-0550  
www.deq.idaho.gov

C.L. "Butch" Otter, Governor  
Curt Fransen, Director

August 19, 2014

**CERTIFIED MAIL NO. 7010 3090 0002 3445 4914  
RETURN RECEIPT REQUESTED**

Mr. John T. Bialke  
366 CED/CD  
1030 Liberator Street  
Mountain Home AFB, ID 83648

Subject: Issuance of Modification (Appendix B) to Wastewater Reuse Permit No. LA-000154-03  
Mountain Home Air Force Base (Elmore County)

Dear Mr. Bialke:

We are issuing the above referenced permit modification to the Mountain Home Air Force Base (MHAFB) for the continued operation of your wastewater treatment and reuse facilities. The enclosed document is your official copy of the permit modification which demonstrates that you are authorized to operate the reuse facility subject to the specified requirements. The modification, in part, allows operation of the facilities under the terms and conditions of the current wastewater reuse permit for an extended period of time.

The public comment period closed on August 15, 2014. One comment was received from the MHAFB, which was a correction to the Staff Analysis issued with the draft permit modification. The comment clarified that our statement that funding of the Class A facility has been approved was incorrect; in fact, the MHAFB has been approved for contracting authority for the wastewater treatment plant filtration upgrade.

This permit modification is issued as of August 19, 2014, and expires on July 25, 2016. If you have any questions or need further information, please contact Valerie Greear at (208) 373-0459 or via email at [valerie.greear@deq.idaho.gov](mailto:valerie.greear@deq.idaho.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Pete Wagner".

Pete Wagner, Administrator  
Boise Regional Office

Enclosure: Wastewater Reuse Permit Modification (Appendix B)

c: Thomas Kendall, Mountain Home Air Force Base  
Jenni Dorsey-Spitz, Mountain Home Air Force Base

ec: Todd Crutcher, P.E., DEQ Boise Regional Office  
Chas Ariss, P.E., DEQ Wastewater Program  
Valerie Greear, P.E., DEQ Boise Regional Office  
Michael Cook, DEQ Technical Services Division  
Janette Young, DEQ Wastewater Program  
TRIM No. 2014AGH1281

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**MR JOHN T BIALKE**  
**366 CED/CD**  
**1030 LIBERATOR STREET**  
**MT HOME AFB ID 83648**

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 or PO Box No.  
 City, State, ZIP+4

PS Form 3800, August 2006

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**MR JOHN T BIALKE**  
**366 CED/CD**  
**1030 LIBERATOR STREET**  
**MT HOME AFB ID 83648**

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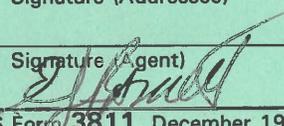
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**MODIFICATION OF WASTEWATER REUSE PERMIT  
APPENDIX "B" TO PERMIT NO. LA-000154-03**

**Permittee Name:** U.S. Air Force, Mountain Home Air Force Base

**Effective Date of this Modification:** August 19, 2014

**Complete Description of Modification**

The purpose of this Permit Modification is to extend the present Class C/A permit until Class A facilities are constructed and operative, at which time a Class A permit shall be issued.

1. Page 1, permit expiration date of June 25, 2014, is changed to July 25, 2016.
2. Section E. Compliance Schedule for Required Activities, Pages 6 and 7: An additional compliance condition (CA-154-06) is added (quality assurance project planning), and compliance conditions CA-154-01, CA-154-03, CA-154-04, and CA-154-05 are replaced with the following.

<b>Compliance Activity Number Completion Date</b>	<b>Compliance Activity Description</b>
<p><b>CA-154-01</b> <b>Plan of Operation</b> Draft due: January 30, 2015 Final due: January 25, 2016</p>	<p>An updated Plan of Operation (Operation and Maintenance Manual or O&amp;M Manual) for the wastewater reuse facilities shall be submitted to DEQ for review and approval. The O&amp;M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility and reuse systems.</p> <p>The plan shall include, but not be limited to, the following:</p> <ul style="list-style-type: none"> <li>• Wastewater Reuse Permit,</li> <li>• Rapid infiltration basin design and operation criteria,</li> <li>• Facilities and procedures for recovery and either retreatment or alternative treatment of recycled water not meeting Class A criteria in accordance with the reliability and redundancy requirements of IDAPA 58.01.17.611.</li> </ul> <p>The updated Plan of Operations plan shall also include Class A specific requirements as specified in 58.01.17. This portion of the plan shall be updated to reflect the final treatment plant design following approval of the plans and specifications. The updates shall be submitted to and approved by DEQ prior to start-up of the new Class A facilities.</p> <p>The completed manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.</p>

<b>Compliance Activity Number</b> <b>Completion Date</b>	<b>Compliance Activity Description</b>
<b>CA-154-03</b> <b>WWTP Upgrade</b> Submit schedule: December 1, 2014 Complete construction and commence operation: July 25, 2016	<p>Completing the WWTP upgrade to produce Class A effluent is required during this permit term. Re-submit for DEQ review and approval a schedule of the dates of submittal of revised plans and specifications for the WWTP upgrade and reuse system changes, the construction schedule, commencement of operation, and other activities as appropriate.</p> <p>The plans and specifications shall be reviewed and approved by DEQ prior to commencement of construction. As-builts shall be submitted within 30 days of completion of construction.</p> <p>Reuse effluent from the WWTP upgrade shall not be discharged to the Golf Course Storage Ponds distribution system until DEQ approval has been obtained. Refer to IDAPA 58.01.17.606 &amp; 607 for relevant requirements.</p>
<b>CA-154-04</b>	Condition deleted here and combined with Compliance Condition CA-154-01.
<b>CA-154-05</b> <b>Permit Renewal Application</b> January 25, 2016	Submit an application package to DEQ for permit renewal.
<b>CA-154-06</b> <b>Quality Assurance Project Plan</b> January 25, 2016	<p><b>Quality Assurance Project Plan (QAPP):</b> The permittee shall prepare and implement a QAPP that incorporates all monitoring and reporting required by this permit. A copy of the QAPP along with written notice that the permittee has implemented the QAPP shall be provided to DEQ.</p> <p>The QAPP shall be designed to assist in planning for the collection, analysis, and reporting of all monitoring in support of this permit and in explaining data anomalies when they occur. At a minimum, the QAPP must include the following:</p> <ol style="list-style-type: none"> <li>1. Details on the number of measurements, number of samples, type of sample containers, preservation of samples, holding times, analytical methods, analytical detection, and quantitation limits for each target compound, type and number of quality assurance field samples, precision and accuracy requirements, sample preparation requirements, sample shipping methods, and laboratory data delivery requirements.</li> <li>2. Maps indicating the location of each monitoring, and sampling point.</li> <li>3. Qualification and training of personnel.</li> <li>4. Names, addresses, and telephone numbers of the laboratories used by or proposed to be used by the permittee.</li> <li>5. Example formats and tables that will be used by the permittee to summarize and present all data in the annual report.</li> </ol> <p>The format and content of the QAPP should adhere to the recommendations and references in the Quality Assurance and Data Processing sections of the DEQ Guidance.</p> <p>The permittee shall amend the QAPP whenever there is a modification in sample collection, sample analysis, or other procedure addressed by the QAPP. The permittee shall notify DEQ of material changes to the QAPP and copies shall be kept on site and made available to DEQ upon request.</p>

U.S. Air Force, Mountain Home Air Force Base  
Permit Modification Appendix B, LA-000154-03  
August 19, 2014  
Page 3 of 3

The modification described above and referred to as Appendix "B" is hereby approved. This appendix to the permit is incorporated into and constitutes a part of Permit No. LA-000154-03. This appendix must be attached to the permit. The permit is incomplete and unlawful under IDAPA 58.01.17 *Recycled Water Rules* without this appendix attached.

Signed,



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**Pete Wagner, Administrator**  
**Idaho Department of Environmental Quality**  
**Boise Regional Office**

Date:

8/19/2014