



STATE OF UTAH
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF AIR QUALITY

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DAQE-0103-93

February 11, 1993

James Van Orman
Department of the Air Force
HQ Ogden AFMC
HAFB, Utah 84056-5990

Re: Modified Approval Order for Aircraft Purge System Near Building 287
Davis County CDS A1

Dear Mr. Van Orman:

This Modified Approval Order revises and replaces Modified Approval Order BAQE-021-91 dated January 15, 1991, by replacing two catalytic incinerators, used to control hydrocarbon emissions from the Aircraft Purge Facility near Bldg 287, with a closed loop distillation unit. The Aircraft Purge Facility is a facility used to purge the fuel from aircraft fuel cells thus eliminating the danger of explosion during the repair of an aircraft fuel cell. This Air Quality Modified Approval Order authorizes the project with the following conditions and failure to comply with any of the conditions may constitute a violation of this order:

1. Hill Air Force Base shall install a 28,000 gallon purge oil reclamation unit, which shall operate in conjunction with the two existing 6,000 gallon units. The unit shall be located at area 15090 near Building 287. The purge oil unit shall be installed according to the information submitted in the notice of intent dated August 1, 1988, October 8, 1992, and additional information submitted December 3, 1992.
2. A copy of this Approval Order shall be posted on site and shall be available to the employees who operate the air emission producing equipment. All employees who operate the air emission producing equipment shall receive instruction as to their responsibilities in operating the equipment in
3. This Modified Approval Order shall replace Modified Approval Order BAQE-021-91 dated January 15, 1992, and Variance DAQC-670-92 dated June 4, 1992.
4. The JP-4 and purge oil from all three purge oil units shall be processed by closed loop distillation unit that is operating under vacuum. The purge oil is stored and reused in the purge system. The JP-4 is separated by distillation and diverted to a portable 1,000 gallon tank where it is transported to a storage area. The JP-4 tank venting emissions are not controlled.
5. Visible emissions from the vent on the JP-4 portable tank shall not exceed 10% opacity. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.
6. The following extraction limits for JP-4 shall not be exceeded without prior approval in accordance with R307-1-3.1, UACR:

4.2.4-594

A. 24,000 gallons per 12-month period

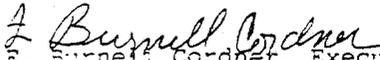
Compliance with the annual limitations shall be determined on a rolling 12-month total. Based on the first day of each month a new 12-month total shall be calculated using the previous 12 months. Records of consumption/production shall be kept for all periods when the plant is in operation. Records of consumption/production shall be made available to the Executive Secretary or his representative upon request and shall include a period of two years ending with the date of the request. Production/Consumption shall be determined by a log of the JP-4 recovered in the portable tank. The log shall be kept in area 15090. The records shall be kept on a daily basis.

7. All installations and facilities authorized by this Approval Order shall be adequately and properly maintained. The owner/operator shall comply with R307-1-3.5 and 4.7, UACR. R307-1-3.5, UACR addresses emission inventory reporting requirements. R307-1-4.7, UACR addresses unavoidable breakdown reporting requirements which result in excess emissions. It specifies the reporting requirements where excess emissions result from the breakdown. The owner or operator shall take all reasonable measures to minimize emissions which may include curtailment of production. The owner/operator shall calculate/estimate the excess emissions whenever a breakdown occurs. The sum total of excess and normal emissions shall be reported to the Executive Secretary as directed for each calendar year.
8. The Executive Secretary shall be notified in writing upon start-up of the installation, as an initial compliance inspection is required.

Any future modifications to the equipment approved by this order must also be approved in accordance with Section 3.1.1, UACR.

This Approval Order in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including the Utah Conservation Regulations.

Sincerely,


F. Burnell Cordner, Executive Secretary

FBC:JTB:dn

cc: EPA Region VIII, Mike Owens
Davis County Health Department