



NRO-145-10

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

Douglas W. Domenech
Secretary of Natural Resources

13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800 Fax (703) 583-3821

David K. Paylor
Director

April 29, 2010

Thomas A. Faha
Regional Director

Mr. Peter Bacenet
Vice President
VISA, Inc.
45005 Russell Branch Parkway,
Ashburn, Virginia 20147

Registration No.:73643

Dear Mr. Bacenet:

Attached is a minor amendment to your new source review permit dated August 28, 2008 to construct and operate a data center facility in accordance with the provisions of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution (Regulations). Permit changes are reflected in Condition 1, Tables 1.A and 1.B on pages 3 and 4 and Condition 15 on page 13. The amended pages supersede the corresponding pages of your permit dated August 28, 2008.

This permit contains legally enforceable conditions. Failure to comply may result in appropriate enforcement. Please read all permit conditions carefully.

The Department of Environmental Quality (DEQ) deemed the request complete on March 12, 2010 and has determined that the request meets the requirements of 9 VAC 5-80-1280 for a minor amendment to a new source review permit.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code (VAC) 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within thirty days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-200 also provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Event	Date	Initials
Code: <i>MSR</i>	<i>4/29/10</i>	<i>EA</i>
Scanned		
QC		

Mr. Bacenet
April 29, 2010
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David K. Paylor, Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact the regional office at 703.583.3800.

Sincerely,



Terry H. Darton
Regional Air Permit Manager

THD/EHA/10-145-mnsr amend

Attachments: Permit

cc: Director, OAPP (electronic file submission)
Manager/Inspector, Air Compliance
File

Table 1.A Equipment to be Constructed and Operated (cont)

Ref. No.	Equipment Description	Rated Capacity	Add-On Control Technology	Federal Requirements
EG-6	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-7	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-12	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-17	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-18	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-19	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-20	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-21	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-22	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII

Table 1.B Equipment to be Operated

Ref. No.	Equipment Description	Rated Capacity	Add-On Control Technology	Federal Requirements
OB-1	One MTU Detroit Diesel, Model 16V2000 G84, Diesel fired engine-generator	1495 hp, generating 1000 ekW	N/A	40CFR60, Subpart IIII
EG-2	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-3	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII

Table 1.B Equipment to be Operated (cont)				
EG-4	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-5	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-8	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-9	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-10	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-11	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-13	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-14	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-15	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII
EG-16	One Detroit Diesel, Model 16V4000 G83, Diesel engine driven generator set	3058 hp, generating 2050 ekW	N/A	40CFR60, Subpart IIII

Table 1.C Equipment Exempt from Air Permitting				
Ref. No.	Equipment Description	Rated Capacity	Exemption Citation	Exemption Date
EG-1AT through EG-22AT	Twenty-two above ground storage tanks (AST) for diesel fuel oil	100 gallons each	9 VAC 5-80- 1320B.8	12/21/07
UST-1 through UST-4	Four underground storage tanks (UST) for diesel fuel oil	50,000 gallons each	9 VAC 5-80- 1320B.8	12/21/07
OB-1AT	One above ground storage tank for diesel fuel oil	2,000 gallons	9 VAC 5-80- 1320B.8	2/4/09
OB-WH1	One propane-fired water heater	140,000 Btu/hr	9 VAC 5-80- 1320B.1.c	2/4/09
OB-LPG-1	One LPG horizontal storage tank	1,000 gallons	9 VAC 5-80- 1320B.4.a(1)	2/4/09

- a. This subsection shall become applicable upon completion of manufacturer's trials but in no case longer than thirty days after start-up for manufacturer's trials.
- b. Should conditions occur which would require rescheduling the testing, the permittee shall notify the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 18 in writing, within seven days of the scheduled test date or as soon as the rescheduling is deemed necessary. In any case the visible emissions testing shall be rescheduled within thirty days.
- c. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests.
- d. Two copies of the test result shall be submitted to the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 18 within sixty days after test completion and shall conform to the test report format enclosed with this permit.

(9 VAC 5-50-30 and 9 VAC 5-80-1200)

CONTINUING COMPLIANCE

- 15. Control Technology Reassessment** – No later than six months or earlier than nine months prior to commencing construction of the additional eight engine-generator sets (EG-7, 12, 17, 18, 19, 20, 21, 22) that are scheduled to be installed after the fourteen engine-generator sets listed in Table 1.B are operational, the applicant shall notify the Regional Air Permit Manager of the DEQ's NRO at the address listed in Condition 18, of the anticipated date for commencing construction of the engine-generator sets (EG-7, 12, 17, 18, 19, 20, 21, 22). The best available control technology (BACT) analysis provided with the March 3, 2008, permit amendment request shall be reviewed by the Regional Air Permit Manager to determine whether the BACT determination provided with March 3, 2008 permit amendment request continues to be acceptable to the DEQ. Construction of the engine-generator sets, (EG-7, 12, 17, 18, 19, 20, 21, 22), shall not begin until such time as the DEQ notifies the owner/operator of the acceptability of the BACT analysis.

(9 VAC 5-50-260 and 9 VAC 5-80-1180)

- 16. Emissions Testing** - The engine-generator sets (EG-1 thru EG-22 and OB-1) shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. This includes constructing the facility/equipment such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and providing a stack or duct that is free from cyclonic flow. Sampling ports shall be provided when requested and safe sampling platforms and access shall be provided.
- (9 VAC 5-50-30 F and 9 VAC 5-80-1180)