



UNC
ENVIRONMENT.
HEALTH & SAFETY

The University of North Carolina at Chapel Hill
Department of Environment, Health & Safety
1120 Estes Drive Ext., CB# 1650
Chapel Hill, North Carolina 27599-1650

August 30, 2012

Mr. Charles McEachern, III, P.E.
NCDENR Division of Air Quality (DAQ) – RRO
3800 Barrett Drive
Raleigh, NC 27609

RE: Emergency Generator Data for UNC Bingham Facility
Chapel Hill, Orange County, NC
Facility ID No. 6800049

Dear Mr. McEachern:

I am writing in response to the July 13, 2012 letter from Sheila Holman requesting that The University of North Carolina at Chapel Hill provide information regarding the emergency generators located at the UNC Bingham Facility. Enclosed please find the completed data table for these emergency generators.

As noted on the enclosed table, there are four RICE generators at the UNC Bingham Facility, and all of these generators are intended to provide emergency power only. As applicable, all fields on the DAQ table have been filled out for each of the four emergency generators.

Should you have any questions regarding this information, please contact me at (919) 843-5913.

Sincerely,

Mary Beth Koza, M.B.A.
Director of Environment, Health, and Safety

Cc: Larry Daw, L.G. – UNC-CH EHS
Daniel W. Elliott, Ph.D. – UNC-CH EHS
Butch Smith, P.E. – RST Engineering, LLC

Enclosure

NC DAQ Request for Information - Reciprocating Internal Combustion Engines (RICE)

DAQ has partially pre-filled the Facility information on the form mailed to you. Please ensure this data is correct and fill in all Facility information below.

Facility Name	UNC Bingham Facility	Facility Contact	Mary Beth Koza
Facility ID	6800049	Facility Mailing Address	1120 Estes Drive Extension, CB#1650, Chapel Hill, N.C. 27599-1650
Facility County	Orange	Facility Contact Phone#	(919) 843-5913
Facility Physical Address	1907 Orange Chapel Clover Garden Road, Chapel Hill, N.C.	Facility Contact Email	mbkoza@ehs.unc.edu

Engine Information

In order to evaluate NC Air Quality permitting requirements and federal regulation applicability, please list all permitted and insignificant/exempt stationary reciprocating internal combustion engines (generators, fire pumps or engines, etc...) on site. Attach additional sheets if necessary. Example information is included in the table below.

My facility does not have any generators, fire pumps, or other RICE engines. (If so, please check here and fill in signature block below.)

Engine or Generator ID No. (As specified in your permit. If not currently reported, include an identification number.)	Size (hp and kW)	Manufacture Date*	Construction Date*	Fuels Used** (If spark ignition engine, indicate 4SRB, 4SLB, 2SRB, or 2SLB)	Describe the use of this engine (i.e. emergency, peak shaving, or non-emergency/process related.)	For non-emergency diesel fired engines only (Liters displaced per cylinder)	Control Device (Installed or Anticipated)
EG1 (Example)	2922 bhp, 2000 kW	Jun-07	Mar-08	ULSD	Emergency use only	3.76	None
ES1 (Example)	2,233 hp, 1.6 MW	Jul-10	Aug-10	Landfill Gas, 2SLB	Non-emergency	N/A	None
ES07 (Example)	2,876 hp, 1,825 kW	Jan-01	Mar-01	No. 2 fuel Oil	Non-emergency - peak shaving	4.3	Open crankcase filtration emission control system
I-FP (Example exempt source)	100 hp	Mar-95	Apr-95	No. 2 fuel Oil	Fire Pump	N/A	None
EG1	168 hp, 125 kW	Feb-90	Approx. 1990	Diesel	Emergency use only	N/A	None
EG2 (NSPS)	168 hp, 125 kW	2007	2007	Ultra Low Sulfur Diesel	Emergency use only	N/A	None
EG3 (NSPS)	805 hp, 600 kW	2008	2008	Ultra Low Sulfur Diesel	Emergency use only	N/A	None
EG4 (NSPS)	268 hp, 200 kW	May-08	2009	Ultra Low Sulfur Diesel	Emergency use only	N/A	None

N Do you coordinate with the regional electrical authority (e.g., Duke Power, Progress Energy) for any operation of your generator(s)? (Please mark Y/N)

*For definition of manufacture and construction dates, see "Applicable Definitions" table attached to your letter.

**For definition of spark ignition, see attached "Applicable Definitions" table. 4SRB = 4 stroke rich burn, 4SLB = 4 stroke lean burn, 2SRB = 2 stroke rich burn, and 2SLB = 2 stroke lean burn.

Signature of Responsible Person or Company Official: Karol K. Gray
 (Print Name and Title) Karol K. Gray, Vice Chancellor for Finance and Administration

Date: 8-28-12

Please email this form to your DAQ Regional Contact. (Email address is on page 2 of your letter)