

REGISTRATION CERTIFICATE
EPAC-10 REV. 7-73



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



STACK NO. 01071000505

EQUIPMENT CLASSIFICATION			REGISTRATION NO.
<input checked="" type="checkbox"/> FUEL BURNING	<input type="checkbox"/> INCINERATOR	<input type="checkbox"/> PROCESS MFG.	01070022
FIRM NAME			DATE ISSUED
CONN LIGHT & POWER CO			12/05/73
LOCATION OF EQUIPMENT (No. & Street, Town, Zip)			
LATHROP RD		UNCASVILLE CT 06382	
COMMISSIONER OR HIS REPRESENTATIVE			

DEPARTMENT OF ENVIRONMENTAL PROTECTION

FUEL BURNING EQUIPMENT REGISTRATION

MONTVILLE DIESEL

STATE OF CONNECTICUT

EPAC-4 Rev. 2/73

TO: Department of Environmental Protection, Air Compliance Section, State Office Bldg., Hartford, Conn. 06115. Tel. 566-2690

1. APPLICATION NO. 4J-D11	2. STACK NO. 11
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LEGAL NAME		BUSINESS ADDRESS (No. & Street, City, Zip Code)		PHONE
3. FIRM	Northeast Utilities	P.O. Box 270, Hartford, CT 06101		666-6911
4. DIVISION	The Connecticut Light & Power Co.	P.O. Box 270, Hartford, CT 06101		666-6911
5. APPLICANT	W. G. Council, Senior Vice President	P.O. Box 270, Hartford, CT 06101		666-6911
6. INSTALLATION		Lathrop Rd., Uncasville, CT 06382		848-9248
7. EQUIPMENT BEING REGISTERED	Diesel engine for electric power generation	AIR POLLUTION CONTROL EQUIPMENT USED (If "Yes," file form EP-7) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

8. MAJOR ACTIVITY OF FIRM

MFG.
 OFFICE
 RETAIL OR WHOLE STORE
 SCHOOL OR CHURCH
 HOTEL/MOTEL
 HOSPITAL OR LAB.
 WAREHOUSE
 RESIDENCE OR APTS.
 OTHER Public Utility Holding Company (Specify)

9. TYPES OF FUELS USED	FUEL	GRADES (x)	SULFUR CONTENT	ASH CONTENT	ANNUAL USAGE (Tons, Gals. or Cu. Ft.)	MAXIMUM FIRING RATE		SEASONAL USE		FUEL SUPPLIER		
						(Lbs., Gals., Cu. Ft./hr.)	(BTU/hr.)	Month	to	Month	Name	City or Town
OIL <input checked="" type="checkbox"/>	OIL	Bituminous	. %	. %								
		Anthracite	. %	. %								
		Kerosene	. %	. %								
		2	X .01 %	0.0 %	15,290	200	28,000,000				Hess Oil & Chemical Div.	
		4	. %	. %							Amerada Hess Corp.	
		5	. %	. %							Woodbridge, NJ	
	NAT. GAS											
	OTHER											

10. BURNER EQUIPMENT

ARE OIL HEATERS USED? YES NO

OIL TEMPERATURE BEFORE INJECTION: Ambient °F

BURNER MANUFACTURER: General Motors

BURNER MODEL No.: 645-E4

11. TYPE OF COAL BURNER

HAND FIRED
 UNDERFEED STOKER
 TRAVELING GRATE
 CHAIN GRATE
 SPREADER STOKER
 STOKER WITH GAS REINJECTION
 CYCLONE FURNACE
 PULVERIZED COAL
 OTHER (Specify) none

12. TYPE OF OIL BURNER

PRESSURE OR GUN
 ROTARY CUP
 STEAM ATOMIZER
 AIR ATOMIZER
 TANGENTIALLY FIRED
 OTHER (Specify) diesel engine

13. COMBUSTION

OVERFIRE AIR CONTROL: YES NO

TYPE: TIME SWITCHED
 SMOKE INDICATOR
 MANUAL
 OTHER (Specify) automatic

TYPE OF DRAFT: FORCED
 INDUCED
 NATURAL

14. POLLUTANTS EMITTED	MATERIAL	RATE OF EMISSIONS (Tons/Yr.)	METHOD USED TO DETERMINE EMISSIONS	15. EQUIPMENT INFORMATION	BREACHING GAS TEMPERATURE (°F)		No. of IDENTICAL UNITS	
					746	1		
	Particulates	.11	HEW list-emission factors		DATE SOURCE STARTED UP			
	Oxides of Sulfur	1.1	" " " "		January 1967			
	Carbon Monoxide	.002	" " " "		EXHAUST GAS FLOW RATE (ACFM):	NOMINAL 20000		MAXIMUM 24900
	Hydro carbons	.02	" " " "		OPERATING HOURS:	HOURS PER DAY N.A.		HOURS PER YEAR 68
	Oxides of Nitrogen	.60	" " " "					

16. STACK INFORMATION

STACK EXIT DIRECTION: HORIZ VERT

STACK EXIT DIMENSIONS: ID 42 in OR in X in

STACK HEIGHT (feet): 24

IS STACK EQUIPPED WITH RAIN MAT? YES NO

SMOKE INDICATOR IN STACK: YES NO

MAKE AND MODEL NO.: none

STACK LINING: METAL REFRACTORY OTHER (Specify)

17. STACK LOCATION

Name of nearest intersecting street: Powerhouse Road

Distance to stack from intersection: 1184 FT.

DIRECTION TO STACK: (Circle one) N, NE, (E) SE, S, SW, W, NW

18. CERTIFICATION

I certify that I have examined the above information and that to the best of my knowledge it is true and complete. (Signature subjects signer to provisions of the General Statutes regarding false and misleading statements)

SIGNED: *W G Council*

TITLE: Senior Vice President

DATE: 4/9/80

MAIN FILE

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