

**REGISTRATION CERTIFICATE**  
EPAC-10 REV. 7-73



STATE OF CONNECTICUT  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**



STACK NO. 00671001702

EQUIPMENT CLASSIFICATION			REGISTRATION NO.
<input checked="" type="checkbox"/> FUEL BURNING	<input type="checkbox"/> INCINERATOR	<input type="checkbox"/> PROCESS MFG.	00670053
FIRM NAME			DATE ISSUED
CONN. LIGHT & POWER			12/05/73
LOCATION OF EQUIPMENT (No. & Street, Town, Zip)			
STATION ROAD		GREENWICH CONN.	
COMMISSIONER OR HIS REPRESENTATIVE			

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

1. APPLICATION NO. 11R - J11	2. STACK NO. 11
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3. FIRM Northeast Utilities	LEGAL NAME	BUSINESS ADDRESS (No. & Street, City, Zip Code) P. O. Box 270, Hartford, Conn. 06101	PHONE 666-6911
4. DIVISION The Connecticut Light and Power Company		P. O. Box 2010, Hartford, Conn. 06101	666-2431
5. APPLICANT Henry A. Darius, Assistant Secretary		P. O. Box 270, Hartford, Conn. 06101	666-6911
6. INSTALLATION		Station Road, Greenwich, Conn. 06830	None
7. EQUIPMENT BEING REGISTERED Combustion Turbine for electric power generation	TYPE OF EQUIPMENT (e.g., Boiler)	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 WHLSE. STORE  SCHOOL OR CHURCH  HOTEL/MOTEL  HOSPITAL OR LAB.  WAREHOUSE  RESIDENCE OR APTS.  OTHER (Specify) Public utility holding company

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	
<input type="checkbox"/> COAL	Bituminous		. %	. %									
		Anthracite	. %	. %									
	<input checked="" type="checkbox"/> OIL	Kerosene	x	0.01 %	0.00 %	1,916,000	1,900	255,000,000				T A D Jones & Co.,	New Haven
		2		. %	. %								
		4		. %	. %	188,100							
		5		. %	. %								
<input type="checkbox"/> NAT. GAS <input type="checkbox"/> OTHER													

10. BURNER EQUIPMENT

ARE OIL HEATERS USED?  YES  NO

OIL TEMPERATURE BEFORE INJECTION: Ambient °F

BURNER MANUFACTURER: Pratt & Whitney Aircraft Division of United Aircraft Corporation

BURNER MODEL No.: FT4A-9

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) Combustion Turbine

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
Particulates	52.0	HEW List of Emission Factors	785	1	
Oxides of Sulfur	1.5	" " " " " "	DATE SOURCE STARTED UP: September 1972		
Carbon Monoxide	54.0	" " " " " "	EXHAUST GAS FLOW RATE (ACFM): 452,000	MAXIMUM 502,000	
Hydrocarbons	14.0	" " " " " "	OPERATING HOURS: 4 HOURS PER DAY	1,397 HOURS PER YEAR	
Oxides of Nitrogen	78.0	Source test of similar unit			

16. STACK INFORMATION

STACK EXIT DIRECTION:  HORIZ.  VERT.

STACK EXIT DIMENSIONS: I.D. \_\_\_\_\_ in. OR 155 in. X 115 in.

STACK HEIGHT (Feet): 33

IS STACK EQUIPPED WITH RAIN HAT?  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: Indianfield Road

Distance to stack from intersection: 2,000 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: *Henry A. Darius*

TITLE: Assistant Secretary

DATE: 9/29/72

MAIN FILE

