REGISTRATION CERTIFICATE

EPAC-10 REV. 7-73

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

STACK NO. 01371001402

EQUIPMENT CLASSIFICATION

[X] **FUEL BURNING** [ ] **INCINERATOR** [ ] **PROCESS MFG.** [ ] **AIR POLLUTION CONTROL**

REGISTRATION NO. 01370032

DATE ISSUED 12/05/73

FIRM NAME

CONN LIGHT AND POWER CO

LOCATION OF EQUIPMENT *(No. & Street, Town, Zip)*

WOODWARD AVENUE S NORWALK CONN 06856

COMMISSIONER OR HIS REPRESENTATIVE

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORWALK GAS TURBINE

FUEL BURNING EQUIPMENT REGISTRATION

EPAC-4 Rev. 2/73

STATE OF CONNECTICUT

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

1. APPLICATION NO.: 6J-J03
2. STACK NO.: 3

	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. Counsil, Senior Vice President	P.O. Box 270, Hartford, CT 06101	666-6911
6. INSTALLATION		Woodward Ave., South Norwalk, CT 06586	838-7583

7. EQUIPMENT BEING REGISTERED — TYPE OF EQUIPMENT (e.g., Boiler): Combustion Turbine for Electric Power Generation

AIR POLLUTION CONTROL EQUIPMENT USED (If "Yes," file form EP-7): ☐ YES ☒ NO

8. MAJOR ACTIVITY OF FIRM: ☐ MFG. ☐ OFFICE ☐ RETAIL OR WHLSE STORE ☐ SCHOOL OR CHURCH ☐ HOTEL/MOTEL ☐ HOSPITAL OR LAB. ☐ WARE-HOUSE ☐ RESIDENCE OR APTS. ☒ OTHER (Specify) Public Utility Holding Company

9. TYPES OF FUELS USED

FUEL	GRADES	(a)	SULFUR CONTENT	ASH CONTENT	ANNUAL USAGE (Tons, Gals or Cu. Ft.)	MAXIMUM FIRING RATE (Lbs., Gals., Cu. Ft./hr.)	MAXIMUM FIRING RATE (BTU/hr.)	SEASONAL USE Month	to	Month	FUEL SUPPLIER Name	City or Town
COAL ☐	Bituminous		. %	. %					—			
	Anthracite		. %	. %					—			
OIL ☒	Kerosene		. %	. %					—			
	2	X	.01 %	0.0 %	45,679	1,760	246,700,000		—		Hess Oil & Chemical Division	
	4		. %	. %					—		Amerada Hess Corp.	
	5		. %	. %					—		Woodbridge, NJ	
	6		. %	. %					—			
NAT. GAS ☐									—			
OTHER ☐									—			

10. BURNER EQUIPMENT — ARE OIL HEATERS USED? ☐ YES ☒ NO — OIL TEMPERATURE BEFORE INJECTION: Ambient °F — BURNER MANUFACTURER: Westinghouse — BURNER MODEL No.: W-191

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 °F — 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
Paticulates	.149	Source Test
Oxides of Sulfur	3.3	Hew List of Emission
Carbon Monoxide	.005	" " " "
Hydrocarbons	.069	" " " "
Oxides of Nitrogen	1.23	Source Test

EQUIPMENT INFORMATION:
- BREACHING GAS TEMPERATURE (°F): 750
- No. OF IDENTICAL UNITS: 1
- DATE SOURCE STARTED UP: October 1966
- EXHAUST GAS FLOW RATE (ACFM): NORMAL 566000; MAXIMUM 607000
- OPERATING HOURS: HOURS PER DAY NA; HOURS PER YEAR 44

16. STACK INFORMATION
- STACK EXIT DIRECTION: ☐ HORIZ. ☒ VERT.
- STACK EXIT DIMENSIONS: I.D. ___ in. OR 117 in. X 104 in.
- STACK HEIGHT (feet): 34.5
- 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: Long Shore Ave.
- Distance to stack from intersection: 3500 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 Counsil — TITLE: Senior Vice President — DATE: 9/9/80