

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



STATE OF CONNECTICUT  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**



STACK NO. 01041002402

EQUIPMENT CLASSIFICATION			REGISTRATION NO.
<input checked="" type="checkbox"/> FUEL BURNING	<input type="checkbox"/> INCINERATOR	<input type="checkbox"/> PROCESS MFG.	01040098
FIRM NAME			DATE ISSUED
HELCO			12/05/73
LOCATION OF EQUIPMENT (No. & Street, Town, Zip)			
RIVER ROAD		MIDDLETOWN CT 06457	
COMMISSIONER OR HIS REPRESENTATIVE			

DEPARTMENT OF ENVIRONMENTAL PROTECTION

3. FIRM Northeast Utilities	LEGAL NAME <b>CODED</b>	BUSINESS ADDRESS (No. & Street, City, Zip Code) P. O. Box 270, Hartford, Conn. 06101	PHONE 666-6911
4. DIVISION The Hartford Electric Light Company		P. O. Box 2370, Hartford, Conn. 06101	249-5711
5. APPLICANT Henry A. Darius, Assistant Secretary		P. O. Box 270, Hartford, Conn. 06101	666-6911
6. INSTALLATION		River Road, Middletown, Conn. 06457	346-9639
7. EQUIPMENT BEING REGISTERED Steam boiler for electric power generation	TYPE OF EQUIPMENT (e.g., Boiler)	AIR POLLUTION CONTROL EQUIPMENT USED (If "Yes," file form EP-7) <input checked="" type="checkbox"/> YES <input 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	
COAL <input type="checkbox"/>	Bituminous		%	%									
		Anthracite	%	%									
	OIL <input type="checkbox"/>	Kerosene	2	%	%								
			4	%	%								
			5	%	%								
			6	x	0.98 %	0.05 %	51,742,000	8,000	1,143,000,000				Hess Oil and Chemical Division
NAT. GAS <input type="checkbox"/>				27,366,400	1977						Amerada Hess Corp.		
OTHER <input type="checkbox"/>												Woodbridge, N.J.	

10. BURNER EQUIPMENT

ARE OIL HEATERS USED?  YES  NO  
 OIL TEMPERATURE BEFORE INJECTION: 130 °F  
 BURNER MANUFACTURER: Peabody  
 BURNER MODEL No.: Type AB

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)

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	
					280	1		
	Particulates	207	HEW list of emission factors	15. EQUIPMENT INFORMATION	DATE SOURCE STARTED-UP: October 1958			
	Oxides of sulfur	4,041	" " " " " "		EXHAUST GAS FLOW RATE (ACFM): 210,000 (NORMAL) 347,000 (MAXIMUM)			
	Carbon monoxide	1	" " " " " "		OPERATING HOURS: 24 (HOURS PER DAY) 7,707 (HOURS PER YEAR)			
	Hydrocarbons	83	" " " " " "					
	Oxides of Nitrogen	1,098	Source test of similar unit					

16. STACK INFORMATION

STACK EXIT DIRECTION:  HORIZ.  VERT.  
 STACK EXIT DIMENSIONS: I.D. 114 in. OR \_\_\_\_\_ in. X \_\_\_\_\_ in.  
 STACK HEIGHT (Feet): 266  
 IS STACK EQUIPPED WITH RAIN HAT?  YES  NO

SMOKE INDICATOR IN STACK:  YES  NO  
 MAKE AND MODEL NO.: Bailey Photocell UL-5000-A  
 STACK LINING:  METAL  REFRACTORY  OTHER (Specify)

17. STACK LOCATION

Name of nearest intersecting street: Silvermine Road  
 Distance to stack from intersection: 11,500 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

PLEASE DO NOT WRITE IN THIS SPACE

DATE RCVD FROM APPLICANT

DATE REVIEWED

BY

DATE COPY SENT TO LOCAL AGENCY

BY

REGISTRATION NUMBER

0098

PREMISE NO.

024

STACK NO.

02

STATE GRID CO-ORDINATES

X

846700

Y

~~262000~~ 263,000

2-25'

REGISTRATION CARD SENT

STORED ON COMPUTER

DATE

BY

BY

EMERGENCY STANDBY PLANS

PLAN REQUIRED

YES

NO

DATE PLAN - MANUAL SENT TO APPLICANT

BY

DATE FORM RETURNED

BY

DATE PLAN APPROVED

MAP NO.

49

X

KM

Y

KM

(18)

AOCR NO.

42

COUNTY NO.

0565

TOWN NO.

104

PROCESS NO.

De

ft X 10

PROCESS NO.

fps

U.C.M.

Secondary

CODING