

REGISTRATION CERTIFICATE
EPAC-10 REV. 7-73

P&W FT4A-8 Turbine



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



STACK NO. 00151004504

EQUIPMENT CLASSIFICATION			REGISTRATION NO.
<input checked="" type="checkbox"/> FUEL BURNING	<input type="checkbox"/> INCINERATOR	<input type="checkbox"/> PROCESS MFG.	00150166
FIRM NAME			DATE ISSUED
UNITED ILLUMINATING CO			12/05/73
LOCATION OF EQUIPMENT (No. & Street, Town, Zip)			
10 HENRY ST		BRIDGEPORT CT 06604	
COMMISSIONER OR HIS REPRESENTATIVE			

DEPARTMENT OF ENVIRONMENTAL PROTECTION

FUEL BURNING EQUIPMENT REGISTRATION #

EP-4 NEW 5-72

TOWN 015 Prem. #045 Reg. #166 Stack #04 1545
 TO: Department of Environmental Protection, Air Compliance Section, State Office Bldg., Hartford, Conn. 06115. Tel. 566-2690

STATE OF CONNECTICUT

1. APPLICATION NO. B.H.S. 4	2. STACK NO. 4
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3. FIRM The United Illuminating Company	LEGAL NAME	BUSINESS ADDRESS (No. & Street, City, Zip Code) 80 Temple Street, New Haven, 06506	PHONE 777-7981 ext. 2304
4. DIVISION Not Applicable			
5. APPLICANT M. R. McCraven		Harbor Station	
6. INSTALLATION		10 Henry Street, Bridgeport, 06604	368-3441 ext. 3-43
7. EQUIPMENT BEING REGISTERED	TYPE OF EQUIPMENT (e.g., Boiler) Gas Generator	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	<input type="checkbox"/> MFG. <input type="checkbox"/> OFFICE <input type="checkbox"/> RETAIL OR WHLSE. STORE <input type="checkbox"/> SCHOOL OR CHURCH <input type="checkbox"/> HOTEL/MOTEL <input type="checkbox"/> HOSPITAL OR LAB. <input type="checkbox"/> WAREHOUSE <input type="checkbox"/> RESIDENCE OR APTS. <input checked="" type="checkbox"/> OTHER (Specify) Elec. Utility		

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		%	%			x10 ⁵						
		Anthracite		%	%								
	OIL <input type="checkbox"/>	Kerosene		%	%								
		2		%	%								
		4		%	%								
		5		%	%								
NAT. GAS <input type="checkbox"/>					318,022	(1975) RC							
OTHER <input checked="" type="checkbox"/>	Jet "A"		0.06	0.0044	1,121,280	13,814 lb/hr	256.8				Gulf Oil	New Haven	

10. BURNER EQUIPMENT	ARE OIL HEATERS USED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	OIL TEMPERATURE BEFORE INJECTION Not Applicable °F	BURNER MANUFACTURER Pratt & Whitney Aircraft	BURNER MODEL No. FT 4A-8LB Turbo-Jet
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11. TYPE OF COAL BURNER	<input type="checkbox"/> HAND FIRED <input type="checkbox"/> UNDERFEED STOKER <input type="checkbox"/> TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE <input type="checkbox"/> SPREADER STOKER <input type="checkbox"/> STOKER WITH GAS REINJECTION <input type="checkbox"/> CYCLONE FURNACE <input type="checkbox"/> PULVERIZED COAL <input type="checkbox"/> OTHER (Specify)
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12. TYPE OF OIL BURNER	<input checked="" type="checkbox"/> PRESSURE OR GUN <input type="checkbox"/> ROTARY CUP <input type="checkbox"/> STEAM ATOMIZER <input type="checkbox"/> AIR ATOMIZER <input type="checkbox"/> TANGENTIALLY FIRED <input type="checkbox"/> OTHER (Specify)
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13. COMBUSTION	OVERFIRE AIR CONTROL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO TYPE <input type="checkbox"/> TIME SWITCHED <input type="checkbox"/> SMOKE INDICATOR <input type="checkbox"/> MANUAL <input type="checkbox"/> OTHER (Specify) TYPE OF DRAFT <input checked="" type="checkbox"/> FORCED <input type="checkbox"/> INDUCED <input type="checkbox"/> NATURAL
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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
	Sulfur Dioxide	5.28	Calculated - AP42		1000 (EST)	NONE
	Sulfur Trioxide	0.0672	Calculated - AP42		DATE SOURCE STARTED UP 1967	
	Oxides of Nitrogen	50.4	Test		EXHAUST GAS FLOW RATE (ACFM): 543,183	MAXIMUM HOURS PER YEAR (71) 543,183
				OPERATING HOURS: Not Available	843 on line	

16. STACK INFORMATION	STACK EXIT DIRECTION <input type="checkbox"/> HORIZ. <input checked="" type="checkbox"/> VERT.	STACK EXIT DIMENSIONS I.D. _____ in. OR 126 in. X 114 in.	STACK HEIGHT (Feet) 25 (EST)	IS STACK EQUIPPED WITH RAIN HAT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	SMOKE INDICATOR IN STACK <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	MAKE AND MODEL NO.	STACK LINING <input type="checkbox"/> METAL <input type="checkbox"/> REFRACTORY <input checked="" type="checkbox"/> OTHER (Specify) Accoustical Block	

17. STACK LOCATION	Name of nearest intersecting street: Henry Street & Russell Street	Distance to stack from intersection: 2150 (EST) FT.	DIRECTION TO STACK: (Circle one) N, NE, E, SE, S, SW, W, NW N
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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).	SIGNATURE <i>M.R. McCraven</i>	TITLE Director of Environmental Engineering	DATE 9/28/72
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MAIN FILE