

REGISTRATION CERTIFICATE
EPAC-10 REV. 7-73



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



STACK NO. 02131000243

EQUIPMENT CLASSIFICATION			REGISTRATION NO.
<input checked="" type="checkbox"/> FUEL BURNING	<input type="checkbox"/> INCINERATOR	<input type="checkbox"/> PROCESS MFG.	02130054
FIRM NAME			DATE ISSUED
HAMILTON STANDARD			12/05/73
LOCATION OF EQUIPMENT (No. & Street, Town, Zip)			
WINDSOR LOCKS CT 06096			
COMMISSIONER OR HIS REPRESENTATIVE			

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NAME CHANGED TO:

Hamilton Sundstrand Corporation, a part
of Collins Aerospace, a RTX Corp. Business
1 Hamilton Road, Windsor Locks, CT 06096

Engineer: 927.0. Date: 7/17/2023

FUEL BURNING EQUIPMENT REGISTRATION

EP-4 NE 5-72

STATE OF CONNECTICUT

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

213-0054 21302

1. APPLICATION NO. H51-43
2. STACK NO. 520

3. FIRM	LEGAL NAME United Aircraft Corporation	BUSINESS ADDRESS (No. & Street, City, Zip Code)	PHONE
4. DIVISION	Hamilton Standard	400 Main Street, East Hartford, Ct. 06108	565-4321
5. APPLICANT	Richard Ryan, Plant Engineer	Windsor Locks, Ct. 06096	623-1621
6. INSTALLATION		Hamilton Standard, Windsor Locks, Ct. 06096	623-1621
7. EQUIPMENT BEING REGISTERED	TYPE OF EQUIPMENT (e.g., Boiler) STEAM 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
 MFG. OFFICE RETAIL OR WHLSE. STORE SCHOOL OR CHURCH HOTEL/MOTEL HOSPITAL OR LAB. WAREHOUSE RESIDENCE OR APARTMENT OTHER (Specify)

9. TYPES OF FUELS USED	FUEL	GRADES (x)	SULFUR CONTENT	ASH CONTENT	ANNUAL USAGE (Tons, Gals. or Cu-Ft)	MAXIMUM FIRING RATE (Lbs., Gals. or Cu-Ft/hr.)	SEASONAL (BTU/hr.)	SEASONAL		FUEL SUPPLIER		
								Month	to Month	Name	City or Town	
<input type="checkbox"/>	COAL	Bituminous	. %	. %								
		Anthracite	. %	. %								
	OIL <input checked="" type="checkbox"/>	Kerosene	. %	. %								
		2	. %	. %								
4		. %	. %									
		5	. %	. %								
		6	.48 %	.01 %	1,411,600	3200	61x10 ⁶			WYATT, INC.	NEW HAVEN	
	NAT. GAS											
	OTHER											

10. BURNER EQUIPMENT
 ARE OIL HEATERS USED? YES NO
 OIL TEMPERATURE BEFORE INJECTION: 180 °F
 BURNER MANUFACTURER: TODD
 BURNER MODEL No.: VEE CEE

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)

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)
 TYPE OF DRAFT: FORCED INDUCED NATURAL

14. POLLUTANTS EMITTED	MATERIAL	RATE OF EMISSIONS (Lb. (Tons)/Yr.)	METHOD USED TO DETERMINE EMISSIONS	15. EQUIPMENT INFORMATION	BREACHING GAS TEMPERATURE (°F)		No. OF IDENTICAL UNITS
					450	- - -	
	CO	56			DATE SOURCE STARTED UP: 1952		
	HYDROCARBONS	5,400	EPA TABLE 10		EXHAUST GAS AC/FH FLOW RATE (NORMAL)		
	NOx	147,000	1972 FACTORS		0.97 x 10 ⁶		1.38 x 10 ⁶
	SOx	106,000			OPERATING HOURS: HOURS PER DAY		
	PARTICULATES	11,300			24		6700

16. STACK INFORMATION
 STACK EXIT DIRECTION: HORIZ. VERT.
 STACK EXIT DIMENSIONS: I.D. 66 in. OR in. X in.
 STACK HEIGHT (Feet): 57
 IS STACK EQUIPPED WITH RAIN HAT? YES NO
 SMOKE INDICATOR IN STACK: YES NO
 MAKE AND MODEL NO.: PREFERRED INST. JC30F2D
 STACK LINING: METAL REFRACTORY OTHER (Specify)

17. STACK LOCATION
 Name of nearest intersecting street: ROUTE 20 & HAMILTON ROAD
 Distance to stack from intersection: 3700 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: E.V. Marshall
 TITLE: Division Executive Vice President
 DATE: 7-29

MAIN FILE

PLEASE DO NOT WRITE IN THIS SPACE

DATE RCVD FROM APPLICANT. 1/1/72 276-72

DATE REVIEWED 1/1/72 BY _____

DATE COPY SENT TO LOCAL AGENCY 1/1/72 BY _____

REGISTRATION NUMBER 213-54

PREMISE NO. 213-02

STACK NO. 43

STATE GRID CO-ORDINATES
 X 616,350
 Y 398,050
 Z = 160

REGISTRATION CARD SENT 2 = 160 STORED ON COMPUTER

DATE 1/1/72 BY _____

State map of
 checked 305' 00"
 052-054

X = 616,350
 Y = 398,050
 Z = 160
 (From Plot Plan)

EMERGENCY STANDBY PLANS

PLAN REQUIRED YES NO

DATE PLAN - MANUAL SENT TO APPLICANT 1/1/72 BY _____

DATE FORM RETURNED 1/1/72 BY _____

DATE PLAN APPROVED 1/1/72

MAP NO. X

ACQR NO. 42

HEALTH 0425 1540

SIC NO. _____ ft X 10

PROCESS NO. _____

SCC NO. _____

Pollution Control
 Primary
 Secondary



79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

Mr. Robert F. Leduc
Hamilton Sundstrand
1 Hamilton Road
MS 1-F-S23
Windsor Locks, CT 06096

RE: Modification of Registration Nos. 213-0052 through 213-0054 for three boilers located at Hamilton Sundstrand, 1 Hamilton Road in Windsor Locks, CT

Dear Mr. Leduc:


The Commissioner of the Department of Energy and Environmental Protection (DEEP) may modify any license at the request of the licensee in accordance with Section 22a-3a-5(d) of the Regulations of Connecticut State Agencies (RCSA), and any other applicable law. Any modification at the request of the licensee shall comply with the requirements of RCSA Section 22a-3a-5(a).

As requested and supported in your letter dated October 5, 2012, the DEEP Bureau of Air Management Registrations for the above mentioned equipment are hereby modified unless within 30 days of issuance of this notice a request for hearing is filed. Such request shall conform with the provisions of RCSA Subsection 22a-3a-6(i). These registrations have been modified by removing the option to burn No. 6 fuel oil. The three boilers are only allowed to burn natural gas. The DEEP will update its emissions inventory to reflect this modification.

This letter in no way grants immunity from legal action resulting from the failure of this source to remain in compliance with existing air pollution regulations, nor does it provide an exemption from compliance with future Federal, State or local laws.

If you have any questions concerning this notice, please contact Mr. Louis J. Corsino III of my staff at (860) 424-3539.

11/5/12
Date


Macky McCleary
Deputy Commissioner

MM: ljc

cc: Mr. John Petrik, Hamilton Sundstrand
Chris Mulcahy, Air Engineering
Robert Girard, Air Enforcement

Certified Mail

1 Hamilton Rd
MS 1-F-S23
Windsor Locks, CT 06096
860-654-3107
john.petrik@utas.utc.com



UTC Aerospace Systems

October 5, 2012

Mr. Richard Pirolli
Assistant Director
Bureau of Air Management
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

BUREAU OF AIR MANAGEMENT
NEW SOURCE REVIEW / TITLE V
OCT 05 2012

SUBJECT: Hamilton Sundstrand
Boiler Registrations 213-0052, -0053, -0054
Request for Modification

Dear Mr. Pirolli,

The purpose for this letter is to request the Department to revise the referenced boiler registrations. The three boilers, located in Building 1 on the Windsor Locks Campus, are dual fuel design and were capable of firing either No. 6 fuel oil or natural gas. The boilers currently are subject to NO_x Trading Order 8291, Modification 1. The trading order was necessary because NO_x emissions when firing No. 6 fuel oil exceeded the applicable limit. No. 6 fuel oil firing ceased as of December 4, 2008. The No. 6 fuel oil storage tanks have been drained and cleaned, tank heaters removed, and the supply pumps locked out.

NO_x emissions from all three boilers comply with the applicable limit when firing natural gas. Since the boilers will fire only natural gas, the trading order will no longer be required. However, in order for the trading order to be rescinded, the registrations have to be revised to eliminate No. 6 fuel oil and indicate natural gas as the only allowable fuel.

I will appreciate your prompt consideration of this request. If you have any questions regarding the information presented by this letter, please contact Mr. John Petrik, Environmental Compliance Manager, at (860) 654-3107.

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

1 Hamilton Rd
MS 1-F-S23
Windsor Locks, CT 06096
860-654-3107
john.petrik@utas.utc.com



Sincerely,

A handwritten signature in black ink, appearing to read "Robert F. Leduc".

Robert F. Leduc
President – Boeing Programs and Space

Prepared By:

A handwritten signature in black ink, appearing to read "John Petrik".

John Petrik
Manager, Environmental Compliance

Cc Louis Corsino, CT DEEP

MEMORANDUM

DATE: October 15, 2012

TO: Macky McCleary, Deputy Commissioner
Anne Gobin, Bureau Chief

FROM: Louis Corsino, APCE II
Susan Amarello, Supervising APCE
Richard Pirolli, Assistant Director
Gary Rose, Director

SUBJECT: Modification of Registration Nos. 213-0052 through 213-0054 for Hamilton Sundstrand

Hamilton Sundstrand submitted a request on October 5, 2012 requesting to modify Registration Nos. 213-0052 through 213-0054 for three boilers. Specifically, Hamilton Sundstrand is requesting to remove firing capability of No. 6 fuel oil on all boilers. The boilers will only burn natural gas. Modification of the registrations is necessary in order to have Hamilton Sundstrand's NO_x Trading Agreement closed.


Pursuant to RCSA §22a-174-3a(a)(2)(A)(iii), the change to natural gas does not trigger NSR applicability under the current regulations because potential emissions will not increase greater than 15 tons per year.

During an inspection on July 19, 2011 the inspecting engineer confirmed that the No. 6 fuel lines have been cut to the three boilers.


Modifications of registrations issued pursuant to the former RCSA §22a-174-2 have been completed in the past for Sikorsky in 2012, Cytec in 2010 and US Stratford Army Engine in 2008 pursuant to the Rules of Practice and a process derived from discussions between the Engineering and Enforcement Sections and the Attorney General's office.

A review of air program compliance was requested from the Enforcement Section and that response forms a part of this record.

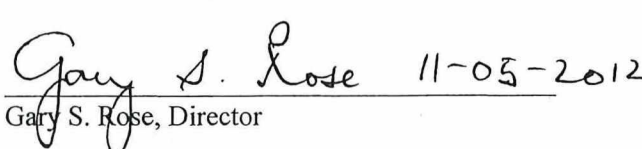
Based on the information submitted by the applicant, this evaluation and the compliance history review, it is recommended that Registration Nos. 213-0052 through 213-0054 be modified as requested.

 10/23/12
Louis J. Corsino III, APCE II

REVIEW:

 11/2/2012
Susan E. Amarello, SAPCE

 11/5/12
Richard A. Pirolli, Assistant Director

 11-05-2012
Gary S. Rose, Director