NPDES PERMIT MODIFICATION
issued to

Permittee: Sikorsky Aircraft Corporation **Location Address:** 6900 Main Street
Stratford, Connecticut 06615-9129

Attention: John D. Conway

Facility ID: 138-002 **Permit ID:** CT0001716 **Permit Modification Expires:** September 25, 2011

This permit modification is issued in accordance with section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), section 22a-430-4(p)(5) of the Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, and Section 402(b) of the Clean Water Act, as amended 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer a N.P.D.E.S. permit program.

The Commissioner of Environmental Protection ("the Commissioner") has made a final determination on this permit modification and found that continuance of the existing discharges DSNs 003 and 004 will not cause pollution of the waters of the state. The Commissioner's decision is based on Application No. 201003946 received on June 11, 2010 for permit modification and the administrative record established in the processing of that application.

Sikorsky Aircraft Corporation, ("Permittee"), shall comply with all conditions of Permit No. CT0001716 issued on September 26, 2006 with the following modifications:

- "Dry weather conditions", for the purpose of monitoring under this permit, is defined as a climatic condition prior to which no precipitation has fallen and there has been no significant snowmelt on the day of sampling and for a period of at least 24 hours prior to the day of sampling. Flow measurements taken on the day of or the day after rain events or significant snowmelt shall not be used when calculating the average daily and maximum daily flows. In addition, pH monitoring results on days when it rains and the day after such rain events shall not be used to determine the monthly minimum pH.
- The attached Table B hereby replaces and supersedes the Table B contained in the existing permit.
- The attached Table C hereby replaces and supersedes the Table C contained in the existing permit.

The Commissioner hereby authorizes the Permittee to discharge in accordance with the provisions of this modification to Permit No. CT0001716, the above referenced application, and all approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with Permit No. CT0001716.

The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Clean Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified under this paragraph may also contain any other requirements of the Clean Water Act or Connecticut General Statutes or regulations adopted thereunder which are then applicable.

All other terms and conditions of Permit No. CT0001716 issued on September 26, 2006 shall continue in full force and effect.

This modification is hereby issued on February 17, 2011

Oswald Inglese
Director
Bureau of Materials Management and
Compliance Assurance

TABLE B

DISCHARGE SERIAL NUMBER: 003-1 | MONITORING LOCATION: 1

WASTEWATER DESCRIPTION: Non-Contact Cooling Water, Fire System Water, Ambient Air Condensate and Aircraft Spot Leak Test Water

MONITORING LOCATION DESCRIPTION: At the end of the pipe as it enters the receiving stream.

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING			Minimum Level Test [3]
		Average Monthly Limit	Maximum Daily Limit	Sample// Reporting Frequency [2]	Sample Type or Measurement to be Reported [4]	Instantaneous Limit or Required Range	Sample// Reporting Frequency [2]	Sample Type or Measurement to be Reported	
Aquatic Toxicity, Mysidopsis bahia	%	NA	NA	NR	NA	LC50 ≥ 92%	Quarterly	Grab	
Aquatic Toxicity, Cyprinodon variegates	%	NA	NA	NR	NA	LC50 ≥ 92%	Quarterly	Grab	
Aluminum, Total	ug/l	NA	NA	NR	NA	----	Quarterly	Grab	
Ammonia, as Nitrogen	ug/l	NA	NA	NR	NA	----	Quarterly	Grab	
Chlorine, Total Residual	ug/l	NA	NA	NR	NA	133	Quarterly	Grab	X
Copper, Total	ug/l	NA	NA	NR	NA	51.8	Quarterly	Grab	X
Flow, (Total-Day of Sampling)	gpd	NA	30,000	Quarterly	Daily Flow	NA	NR	NA	
Flow Rate, (Average Daily) [1]	gpd	10,000	NA	Daily/Monthly	See Remarks	NA	NR	NA	
Flow, Maximum During a 24 Hour Period[1]	gpd	NA	30,000	Daily/Monthly	See Remarks	NA	NR	NA	
Hours of Discharge	hr.	NA	-----	Quarterly	Total Hours	NA	NR	NA	
Lead, Total	ug/l	NA	NA	NR	NA	144	Quarterly	Grab	X
Iron, Total	ug/l	NA	NA	NR	NA	----	Quarterly	Grab	
Oil and Grease, Total	ug/l	NA	NA	NR	NA	5,000	Quarterly	Grab	
pH	S.U.	N A	NA	NR	NA	6.0 - 9.0	Quarterly	Grab	
Solids, Total Suspended	ug/l	NA	NA	NR	NA	-----	Quarterly	Grab	
Surfactants	ug/l	NA	NA	NR	NA	-----	Quarterly	Grab	
Temperature	deg F	NA	NA	NR	NA	-----	Quarterly	Instantaneous	
Zinc, Total	ug/l	NA	NA	NR	NA	971	Quarterly	Grab	X

Table B Footnotes and Remarks:

Footnotes:

[1] For this parameter the Permittee shall maintain at the facility a record of the Total Daily Flow for each day of discharge and shall report the Average Daily Flow and the Maximum Daily Flow under dry weather conditions for each month. If dry weather conditions do not occur during a given week, an asterisk shall be entered on the Discharge Monitoring Report for that week with a footnote indicating that dry weather conditions did not occur.

[2] The first entry in this column is the Sample Frequency. If this entry is not followed by a Reporting Frequency and the Sampling Frequency is more frequent than Monthly then the Reporting Frequency is Monthly. If the Sample Frequency is specified as Monthly, or less frequent, then the Reporting Frequency is the same as the Sample Frequency.

[3] Minimum Level Test refers to Section 6(A)(3) of this permit.

Remarks:

Samples may be collected over a time period necessary to gather an adequate amount for analyses.

TABLE C									
DISCHARGE SERIAL NUMBER: 004-1					MONITORING LOCATION: 1				
WASTEWATER DESCRIPTION: Non-Contact Cooling Water, Fire System Water, Ambient Air Condensate and Spill Containment Stormwater									
MONITORING LOCATION DESCRIPTION: At the end of the pipe as it enters the receiving stream.									
PARAMETER	**UNITS**	**FLOW/TIME BASED MONITORING**				**INSTANTANEOUS MONITORING**			Minimum Level Test [3]
		Average Monthly Limit	Maximum Daily Limit	Sample//Reporting Frequency [2 and 4]	Sample Type or Measurement to be Reported [5]	Instantaneous Limit or Required Range	Sample// Reporting Frequency [2 and 4]	Sample Type or Measurement to be Reported	
Aquatic Toxicity, Daphnia pulex	%	NA	NA	NR	NA	LC50 ≥ 88%	Quarterly	Grab	
Aquatic Toxicity, Pimephales promelas	%	NA	NA	NR	NA	LC50 ≥ 88%	Quarterly	Grab	
Aluminum, Total	ug/l	NA	NA	NR	NA	----	Quarterly	Grab	
Chlorine, Total Residual	ug/l	NA	NA	NR	NA	203	Quarterly	Grab	X
Copper, Total	ug/l	NA	NA	NR	NA	108	Quarterly	Grab	X
Flow, (Total-Day of Sampling)	gpd	NA	15,000	Quarterly	Daily Flow	NA	NR	NA	
Flow Rate, (Average Daily) [1]	gpd	10,000	NA	Continuously	See Remarks	NA	NR	NA	
Flow, Maximum During a 24 Hour Period[1]	gpd	NA	15,000	Continuously	See Remarks	NA	NR	NA	
Hours of Discharge	hr.	NA	-----	Quarterly	Total Hours	NA	NR	NA	
Lead, Total	ug/l	NA	NA	NR	NA	22.1	Quarterly	Grab	X
Iron, Total	ug/l	NA	NA	NR	NA	-----	Quarterly	Grab	
Oil and Grease, Total	ug/l	NA	NA	NR	NA	5,000	Quarterly	Grab	
pH	S.U.	NA	NA	NR	NA	6.0 - 9.0	Quarterly	Grab	
Solids, Total Suspended	ug/l	NA	NA	NR	NA	-----	Quarterly	Grab	
Surfactants	ug/l	NA	NA	NR	NA	-----	Quarterly	Grab	
Temperature	deg F	NA	NA	NR	NA	-----	Quarterly	Instantaneous	
Zinc, Total	ug/l	NA	NA	NR	NA	730	Quarterly	Grab	X

Table C Footnotes and Remarks:

Footnotes:

[1] For this parameter the Permittee shall maintain at the facility a record of the Total Daily Flow for each day of discharge and shall report the Average Daily Flow and the Maximum Daily Flow under dry weather conditions for each month. If dry weather conditions do not occur during a given week, an asterisk shall be entered on the Discharge Monitoring Report for that week with a footnote indicating that dry weather conditions did not occur.

[2] The first entry in this column is the Sample Frequency. If this entry is not followed by a Reporting Frequency and the Sampling Frequency is more frequent than Monthly then the Reporting Frequency is Monthly. If the Sample Frequency is specified as Monthly, or less frequent, then the Reporting Frequency is the same as the Sample Frequency.

[3] Minimum Level Test refers to Section 6(A)(3) of this permit.

[4] Samples shall be taken during dry weather conditions.

Remarks:

Samples may be collected over a time period necessary to gather an adequate amount for analyses.

WASTEWATER DISCHARGE PERMIT: DATA TRACKING AND TECHNICAL FACT SHEET

Permittee: Sikorsky Aircraft Corporation

PERMIT, ADDRESS, AND FACILITY DATA

PERMIT #: CT0001716 APPLICATION #: 201003946 FACILITY ID: 138-002

Mailing Address:						Location Address:					
Street:	6900 Main Street					Street:	6900 Main Street				
City:	Stratford	ST:	CT	Zip:	06615	City:	Stratford	ST:	CT	Zip:	06615
Contact Name:	Erin Scinto					DMR Contact	Erin Scinto				
Phone No.:	(203) 386-3763					Phone No.:	(203) 386-3763				

PERMIT INFORMATION

DURATION 5 YEAR _X_ 10 YEAR ___ 30 YEAR ___

TYPE New _ Reissuance __ Modification _**X**_

CATEGORIZATION POINT (X) NON-POINT () GIS #:

NPDES (X) PRETREAT () GROUND WATER(UIC) ( ) GROUND WATER (OTHER) ( )

NPDES MAJOR**(MA)** ___
NPDES SIGNIFICANT MINOR or PRETREAT SIU **(SI)** ___
NPDES or PRETREATMENT MINOR **(MI)** _X_
PRETREAT SIGNIFICANT INDUS USER**(SIU)** ___
PRETREAT CATEGORICAL **(CIU)** ___

POLLUTION PREVENTION MANDATE _ ENVIRONMENTAL EQUITY ISSUE ___

SOLVENT MANAGEMENT PLAN
Is the facility operating under an approved solvent management plan (SMP)? Yes___ No_X_
If yes, indicate date issued

COMPLIANCE SCHEDULE YES__ NO _X_

POLLUTION PREVENTION ___ TREATMENT REQUIREMENT__ WATER CONSERVATION__

WATER QUALITY REQUIREMENT __ REMEDIATION __ OTHER __

RECENT ENFORCEMENT HISTORY
Is the Permittee subject to a pending enforcement action? Yes ___ No _X_

OWNERSHIP CODE

Private _X_ Federal __ State __ Municipal (town only) __ Other public __

DEP STAFF ENGINEER Stephen Edwards

PERMIT FEES

This modification does not change the annual fees.

FOR NPDES DISCHARGES

Drainage basin Code: 6000 Present/Future Water Quality Standard: SC/SB

NATURE OF BUSINESS GENERATING DISCHARGE

Sikorsky Aircraft Corporation manufactures, assembles and maintains helicopters and their spare parts.

PROCESS AND TREATMENT DESCRIPTION (by DSN)

DSN 003 is made up of an average daily flow of 10,000 gpd with a maximum daily flow of 30,000 gpd of non-contact cooling water, fire system water, ambient air condensate and aircraft spot leak test water.

DSN 004 has an average daily flow of 5,000 gpd with a maximum daily flow of 15,000 gpd of non-contact cooling water, fire system water, ambient air condensate and spill containment stormwater.

RESOURCES USED TO DRAFT PERMIT

__ Federal Effluent Limitation Guideline 40CFR

__ Performance Standards

__ Federal Development Document

__ Treatability Manual

_X_ Department File Information

_X_ Connecticut Water Quality Standards

__ Anti-degradation Policy

_X_ Coastal Management Consistency Review Form

__ Other - Explain

BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

__ Case by Case Determination using Best Professional Judgment (See Other Comments)
DSN 003 - oil & grease and pH

DSN 004 - oil & grease and pH

__ In order to meet in-stream water quality (See General Comments)
DSN 003 - aquatic toxicity, chlorine (total residual), copper, lead and zinc
DSN 004 - aquatic toxicity, chlorine (total residual), copper, lead, and zinc

GENERAL COMMENTS

The need for inclusion of water quality based discharge limitations in this permit was evaluated consistent with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d). Each parameter was evaluated for consistency with the available aquatic life criteria (acute and chronic) and human health (fish consumption only) criteria, considering the zone of influence allocated to the facility where appropriate. The statistical procedures outlined in the EPA Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001) were employed to calculate the need for such limits. Comparison of monitoring data and its inherent variability with the calculated water quality based limits indicates a statistical probability of exceedance of such limits. Therefore, water quality based limits were included in the permit at this time.

OTHER COMMENTS

Since the permit was reissued on September 26, 2006, Sikorsky Aircraft had significantly lowered the flow of DSNs 003 and 004. This modification lowers the average daily flow of DSN 003 from 25,000 gpd to 10,000 gpd with the maximum daily flow lowered from 65,000 gpd to 30,000 gpd and the average daily flow of DSN 004 from 10,000 gpd to 5,000 gpd with the maximum daily flow lowered from 86,000 gpd to 15,000 gpd. Water quality based limits for these discharges were recalculated using the previous methodology with the new flow limits. In addition, the reduced flow made it difficult for Sikorsky to collect representative daily composite samples of the discharges. For this reason the sample type for these discharges was changed to grab sample.

This modification also changes the definition of dry weather as it relates to sample for this permit. The previous definition allowed up to 0.1 inches of precipitation. However, as a result of the flow reductions this resulted in samples that consisted primarily of stormwater and did not represent the day to day discharge from the facility. Therefore the definition of dry weather conditions has been changed to: "Dry weather conditions", for the purpose of monitoring under this permit, is defined as a climatic condition prior to which no precipitation has fallen and there has been no significant snowmelt on the day of sampling and for a period of at least 24 hours prior to the day of sampling. Flow measurements taken on the day of or the day after rain events or significant snowmelt shall not be used when calculating the average daily and maximum daily flows. In addition, pH monitoring results on days when it rains and the day after such rain events shall not be used to determine the monthly minimum pH.

The limits for oil and grease for DSNs 003 and 004 were based on best professional judgment. These are the limits contained in the permit when it was reissued in 2006 and are consistent with the limits contained in other permits for similar discharges.

This modification was requested in partial response to NOV No. WR IN 10 012 for violations of DSNs 003, 004 and 007.