INTERNATIONAL TECHNOLOGY CORPORATION

May 12, 1987

Kent Adams
Douglas Aircraft
19503 S. Normandie Ave.
Mail Code C6-71
Torrance, CA 90502

Subject: Waste Predisposal Sample Analysis

IT Corporation has analyzed the predisposal sample of sulfuric/nitric acid received from Torrance. Enclosed is a copy of the predisposal analysis. This waste stream is approved at IT Corporation's Vine Hill Treatment & Disposal Facility at an estimated cost of $1.88 per gallon. The price is based on the results from the predisposal sample analysis and may change due to any variation in the composition when the load is received for treatment/disposal.

Your waste has been assigned waste stream number 4819-87. This number verifies that your waste has been preapproved and must be indicated in item J on the Hazardous Waste Manifest to avoid additional analytical charges. Site notification and scheduling is required for each load. Please contact the Wilmington Sales office to schedule shipments.

The following information is for your use in completing the California Hazardous Waste Manifest that must accompany each load.

IT Corporation
Vine Hill Treatment & Disposal Facility
896 Waterbird Way
Martinez, CA 94553
(415) 372-9100
EPA #CAD000094771

We wish to thank you for giving us the opportunity to be of service. Please do not hesitate to contact us when you may require further assistance.

Sincerely,

Kateri M Mattila

Kateri M. Mattila
Customer Service Administrator

KMM/ja

cc: Ralph McCaffrey, IT Corp.
Bob Tomko, Douglas, MC 73/40
3855 Lakewood Blvd.
Long Beach, CA 90846

BOE-C6-0230825

IT CORPORATION
ANALYTICAL REPORT

WORK ORDER # M7-03-197
JOB # 4819_97
SAMPLE # 01 OF 1

Generator name: DOUGLAS AIRCRAFT COMPANY
Waste description: SULFURIC/NITRIC ACIDS
Generating Process: WASTE ACID LIQUID NOS
Volume / Frequency: 2898 GAL

TEST	RESULT	UNITS
HCVP	0	ppm
DENSITY	1040	G/L
PH	1.3	pH
NORMALITY	1.30	N
SON	30	%
CN	ND @ 5	ppm
SULFIDE	ND @ 2	ppm
FORMALDEHYDE	ND @ 5	ppm
AMMONIA	ND @ 15	ppm
FLUORIDE	3400	ppm
XS OXIDANT	NA	
FLASHPOINT	NA	DEG/C
AQUEOUS	100	%
SOLID	0	%
OIL	0	%
POLAR	ND	%
NONPOLAR	ND	%
HALOGENATED	ND	
PHENOL	ND @ 5	ppm

COMMENTS

RECERTIFICATION #86234343

RESULTS BY GC ANALYSIS

TEST	RESULT	UNITS
FORMALDEHYDE	NA	ppm
PCB	NA	mg/kg
PHENOL	NA	ppm
CRESOL	NA	ppm
HALOGENATED	NA	

RESULTS BY IC ANALYSIS

CN	NA	ppm
SULFIDE	NA	ppm
FLUORIDE	NA	ppm
PHENOL	NA	ppm

RESULTS BY ICAP ANALYSIS

TEST	RESULT	UNITS
Tl	ND @ 10	ppm
As	26	ppm
Hg	* ND @ 2	ppm
Se	ND @ 10	ppm
Pb	ND @ 10	ppm
Cd	ND @ 10	ppm
Ni	ND @ 10	ppm
Cr	*	ppm
Cr+6	* 6600	ppm
Be	ND @ 0.1	ppm
Cu	60	ppm
Fe	NA	ppm
Co	NA	ppm
Zn	67	ppm

* Hg by cold vapor

INTERNATIONAL TECHNOLOGY CORPORATION

4575 Pacheco Boulevard • Martinez, CA 94553
Telephone: (415) 228-5100

RECERTIFICATION

HAZARDOUS WASTE PREDISPOSAL EVALUATION

#862314343

Steve

A. IT USE ONLY

EVALUATION # 19256
WASTE STREAM# 4819-87
ACCT MGR
DATE SUBMITTED
CUSTOMER ID#
ANALYTICAL CHARGES
P.O./CONTRACT#
BILLING INSTRUCTIONS:

B. GENERATOR INFORMATION:

GENERATOR NAME Douglas Aircraft Co
MAILING ADDRESS 19503 S. Normandie Av.
Torrance, Ca., 90502
SITE ADDRESS Same MAIL CODE C6-77
MAIL CODE C6-13
EPA ID# CAD086510005
TECHNICAL CONTACT DC Gerber PHONE (213) 533-6677
RD. Adams 533-6755

C. CUSTOMER INFORMATION:

CUSTOMER NAME
ADDRESS
CONTACT
PHONE
TRANSPORTER
EPA ID#

D. WASTE DESCRIPTION: Mixed Acids

GENERATING PROCESS Surface Treatment of metal parts.
VOLUME 8000 GALLONS ____ CUBIC YARDS
FREQUENCY ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year
METHOD OF SHIPMENT ☒ Bulk Liquid ☐ Bulk Solid ☐ Drums
DRUM TYPE AND SIZE

E. SHIPPING INFORMATION:

D.O.T. PROPER SHIPPING NAME Waste Acid Liquid, NOS.
R.Q. ____ UN/NA# 1760
HAZARD CLASS Corrosive
RCRA WASTE? ☒ Yes ☐ No CODE
CA. HAZARDOUS WASTE? ☒ Yes ☐ No CODE
CA. RESTRICTED WASTE? ☒ Yes ☐ No

F. HAZARDS:

	LOW	MOD.	HIGH	YES	NO	
INHALATION	☒	☐	☐	☐	☒	PYROPHORIC
DERMAL	☐	☐	☒	☐	☒	EXPLOSIVE
ORAL	☐	☐	☒	☐	☒	SHOCK SENSITIVE
FLAMMABLE NA	☐	☐	☐	☐	☒	WATER REACTIVE
REACTIVITY	☒	☐	☐	☐	☒	OTHER

MATERIAL SAFETY DATA SHEETS ATTACHED? NO
SPECIAL HANDLING

G.

COLOR Clear brown
ODOR
☒ Mild ☐ None
☐ Strong

H. PHYSICAL STATE:

☒ Liquids 100 % Free Liquids
☐ Solids ☐ Single Layer
☐ Sludge ☐ Double Layer
☐ Powder ☐ Multi-Layer

I. pH:

☒ <2 ☐ 10-12
☐ 2-6 ☐ >12
☐ 6-8 ☐ ____ Exact
☐ 8-10

J. NORMALITY:

☐ 0.1-1.0 ☐ 4.1-5.0
☒ 1.1-2.0 ☐ 5.1-6.0
☐ 2.1-3.0 ☐ > 6.0
☐ 3.1-4.0 ☐ ____ Exact

K. SPECIFIC GRAVITY:

☐ <0.8 ☐ 1.4-1.7
☐ 0.8-1.0 ☐ > 1.7
☒ 1.0-1.2 ☐ ____ Exact
☐ 1.2-1.4

L. FLASH POINT:

☐ 100F
☐ 100-140F NA
☐ 140-200F
Method

M. CHEMICAL COMPOSITION:

Chromic Acid	0-14	%
Sulfuric Acid	0-14	%
Hydrofluoric Acid	0-1	%
Nitric Acid	0-14	%
ACID TYPES Sodium Dichromate	0-14	%
		%
BASE TYPE		%
OXIDIZER TYPE		%
WATER	80-90	%
OIL		%
TOTAL		100%

UNK	YES	NO		
☐	☐	☒	CYANIDES	PPM
☐	☐	☒	FORMALDEHYDE	PPM
☐	☐	☒	PCB	PPM
☐	☐	☒	PHENOLS	PPM
☐	☐	☒	SULFIDES	PPM
☐	☐	☒	AMMONIA	PPM
☐	☐	☒	DIOXINS	PPM
☐	☐	☒	PESTICIDE	PPM
			PESTICIDE GROUP	
☐	☐	☒	HALOGENATED ORGANICS	PPM
			OTHER	PPM

N. METALS:

	TOTAL			SOLUBLE	
Tl		PPM	Tl		PPM
As		PPM	As		PPM
Hg		PPM	Hg		PPM
Se		PPM	Se		PPM
Pb		PPM	Pb		PPM
Cd		PPM	Cd		PPM
Ni		PPM	Ni		PPM
Cr		PPM	Cr		PPM
Cr+6	0-73,000	PPM	Cr+6		PPM
V		PPM	V		PPM
Be		PPM	Be		PPM
Cu	100	PPM	Cu		PPM
Fe		PPM	Fe		PPM
Co		PPM	Co		PPM
Zn		PPM	Zn	100	PPM
OTHER					
OTHER					

O. ANALYTICAL INSTRUCTIONS: ☒ STANDARD PREDISPOSAL ☐ RUSH (subject to surcharge) ☐ REQUEST FOR ANALYSIS

SPECIFIC INSTRUCTIONS:

P. CERTIFICATION: I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE ABOVE INFORMATION AND ATTACHMENTS FULLY AND ACCURATELY CHARACTERIZE THE CHEMICAL AND PHYSICAL PROPERTIES OF THE WASTE STREAM. I UNDERSTAND THAT THIS SAMPLE IS ASSUMED BY IT CORPORATION TO BE REPRESENTATIVE OF THE WASTE STREAM AND THAT ACCEPTABILITY AND PRICE ESTIMATES BASED ON THIS SAMPLE MAY CHANGE ACCORDING TO THE COMPOSITION OF ACTUAL WASTES ANALYZED AT TRUCK RECEIVING.

NAME: Kent D. Adams SIGNATURE Kent D. Adams DATE: 10 Apr 87 PHONE (213) 533-6755

Form PD-4 (3/86) White-Data Management Green-Operations Canary-Account Manager Pink-Accounting Goldenrod-Customer Service

BOE-C6-0230827