DYNECOL

DYNECOL, INC.

6520 GEORGIA STREET
DETROIT, MICHIGAN 48211
PHONE: (313) 571-7141
FAX: (313) 571-7190

US EPA RECORDS CENTER REGION 5
439298

February 14, 1997

TODD RITSEMA
SMITH ENVIRONMENTAL TECHNOLOGIES
2080 CARBOY RD.
MT. PROSPECT IL 60056

Dear TODD RITSEMA:

Dynecol, Inc. is pleased to provide the following quotation for managing the waste stream outlined on our Waste Approval Acknowledgment.

Based on evaluation and analysis of the representative sample, pricing is as follows:

Approval Number: 104070 Effective Date: 2/14/97

Waste Name: HYDROFLUORIC ACID

Price: [redacted] line Ex.4 Per: DRUM

Transportation: NOT INCLUDED
Minimum Disposal Charge Per Shipment: [redacted] line Ex.4
Quote Firm For: 30 DAYS Payment Terms: NET 30

This quotation is based upon information summarized in Dynecol's Waste Approval Acknowledgement (attached). Upon Dynecol's receipt of the waste shipment, any variation in waste parameters may result in a surcharge or rejection of the waste. Non-RCRA empty tankers (40 CFR 261.7 (b)) will incur a minimum $150 wash out fee.

Thank you for the opportunity to quote on your waste management requirements. If you have any questions, please call your sales representative.

Sincerely,

Christine Segatti
Customer Service Supervisor

WASTE APPROVAL ACKNOWLEDGMENT

February 14, 1997

CUSTOMER INFORMATION: SMITH ENVIRONMENTAL TECHNOLOGIES
2080 CARBOY RD.

MT. PROSPECT IL 60056

GENERATOR INFORMATION: USEPA DAYTON ELECTROPLATE
1030 VALLEY ST.

DAYTON OH 45404
OHD004278628

APPROVAL NUMBER: 104070 EXPIRATION DATE: 3/30/97

WASTE NAME: HYDROFLUORIC ACID

WASTE CODES: D002,

FINGERPRINT PARAMETERS

FLASH POINT: NONE NUMBER OF PHASES:
COLOR: RED LIQUID
ODOR: SHARP
SPECIFIC GRAVITY: TO
% ACID: TO
pH: TO <1.0

DYNECOL, INC. IS A PERMITTED HAZARDOUS WASTE FACILITY PROPERLY LICENSED TO RECEIVE THIS WASTE. NON-CONFORMING WASTE SHIPMENTS MAY RESULT IN REJECTION OF MATERIAL.

FINGERPRINT INFORMATION IS BASED UPON REPRESENTATIVE SAMPLE SUBMITTED.

PLEASE REVIEW THIS INFORMATION AND CONTACT US WITH ANY DISCREPANCIES.

SMITH TECHNOLOGY CORPORATION

Fax Cover Sheet

To: Steve

Company:

Phone:

Fax:

From: Todd L. Ritsema
Transportation & Disposal Coordinator
ERCS EPA Region V
Program Management Office

Company: SMITH TECHNOLOGY CORPORATION
Construction & Remediation Services
2080 S. Carboy Road
Mt. Prospect, Illinois 60056

Phone: 847-437-3408
ERCS Fax: 847-437-6064

Date: 2/18/97

Number of pages : 5

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR THE ENTITY TO WHOM IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THIS MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSIMULATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US VIA THE U.S. POSTAL SERVICE. WE APPRECIATE YOUR COOPERATION.

Comments:

Approvals for Hydrofluoric Acid and Hydrogen Peroxide from Dynecol

TR

DYNECOL

DYNECOL, INC.

6520 GEORGIA STREET
DETROIT, MICHIGAN 48211
PHONE: (313) 571-7141
FAX: (313) 571-7190

Dynecol, Inc.
6520 Georgia St.
Detroit, MI 48211

RE: Approval # 104070

Waste type: HF Acid

Attn: Customer Service Dept.

Due to my specific knowledge of the process which generated this waste and/or the specific generation source, this waste is not a waste regulated under 40 CFR Subpart D 261.31, "Hazardous wastes from non-specific sources" (Michigan Act 64 R 299.9213), ("F" listed wastes); 40 CFR 261.32, "Hazardous wastes from specific sources" (Michigan Act 64 299.9213), ("K" listed wastes); 40 CFR 261.33, "Discarded commercial chemical products, off specification species, container residues, and spill residues, thereof", (Michigan Act 64 R 299.9214), ("P" and "U" listed wastes).

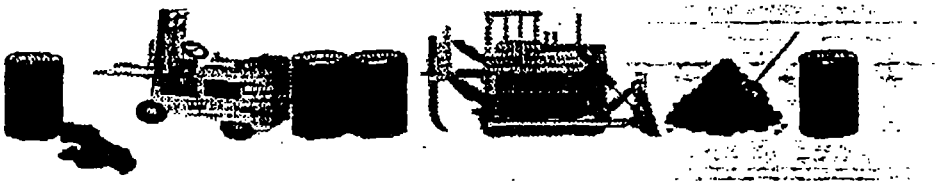
This waste will only be characterized under the provisions in 40 CFR Subpart C 261.20 through 261.24 (Act 64 R 299.9212) through the identification of the regulated characteristics that the waste exhibits.

EPA
COMPANY NAME

S.R.
AUTHORIZED SIGNATURE

2/11/97
DATE

SMITH
TECHNOLOGY CORPORATION



Fax Cover Sheet

To: Steve

Company:

Phone:

Fax:

From: Todd L. Ritsema
Transportation & Disposal Coordinator
ERCS EPA Region V
Program Management Office

Company: SMITH TECHNOLOGY CORPORATION
Construction & Remediation Services
2080 S. Carboy Road
Mt. Prospect, Illinois 60056

Phone: 847-437-3408
ERCS Fax: 847-437-6064

Date: 2-11-97

Number of pages : 3

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Comments:

B/N Liquid Approval from Dynecol.

Cert. Form for Hydro Fluoric drums, Sign and fax to Chris Segaeti at Dynecol at 313-571-7190.

TR

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPA
REGION V
EMERGENCY RESPONSE TEAM

DAYTON ELECTROPLATING SITE
PHONE NO. (937) 223-6768
FAX NO. (937) 223-6772

INCLUDING THIS PAGE THERE ARE 2 PAGES BEING TRANSMITTED.

DATE: 02-11-97

TO: Chris Segatti

COMPANY: Dynecol

PHONE: FAX: 313-571-7190

FROM: Steve Renninger U.S. EPA OSC

COMMENTS:

DYNECOL
MID 074259565

DYNECOL, INC.
6520 GEORGIA STREET
DETROIT, MICHIGAN 48211
PHONE: (313) 571-7141
FAX: (313) 571-7190

Recertification: Y (N)

WASTE APPROVAL FORM

Approval #_____ Code_____

I GENERAL INFORMATION

Customer: Smith Technology	Generator: U.S. EPA Dayton Electroplate
Address: 2080 S. Carboy Rd	Address: 1030 Valley ST
City: Mt Prospect	City: Dayton
State: IL Zip Code: 60056	State: OH Zip Code: 45404
Contact: Todd Ritsema	Contact: Steve Renninger
Phone #: 847-437-3408 Fax: 847-437-6064	Phone #: 513-223-6768 Fax: 513-223-6742
24 hour phone #:	EPA ID#: OHD 004 278 628

II WASTE DESCRIPTION

Waste Common Name: Hydrofluoric Acid

Specific Process Generating the Waste: CERCLA Clean up former Plating facility (zinc, Chrome)

WASTE COMPOSITION (must equal 100%):	ACTUAL %	MIN.	MAX.
Hydrofluoric Acid		10	40
Water		30	70
Surfactant		5	15
Inert Ingredients		5	20

CIRCLE YES (Y) OR NO (N) TO THE POLLOWING CHARACTERISTICS OR CONTAMINANTS

Carcinogen Y (N) Oxidizer Y (N) Organics Y (N) Explosives Y (N) Phenols Y (N) Hexavalent Chromium Y (N)
Radioactives Y (N) Poison Y (N) PCBs Y (N) Pesticides Y (N)

As defined in 40 CFR 268: (X) Non-wastewater ( ) Wastewater (LIQUID) SOLID SLURRY

Sample submitted to Dynecol: Y (N) Color:_____

III RCRA/ACT 64 WASTE CHARACTERIZATION

This is a hazardous waste as defined by either Michigan Act 64 or EPA 40 CFR 261: Yes ✓ No_____

If yes, list all waste codes: D002

This is a non-hazardous waste as defined by Michigan Act 136: Yes_____ No ✓

If yes, list all waste codes:

This waste contains a toxicity characteristic of 40 CFR 261.24 identified as waste codes D018 through D043:

Yes_____ No ✓* Unknown_____

If yes, list all waste codes:

* If based on generator knowledge, please read and understand certification in Section VI

IV SHIPPING INFORMATION

Waste Volume: 5 UNIT: (circle one) GALLONS POUNDS DRUMS OTHER

Shipment Frequency: (circle one) WEEK MONTH QUARTER YEAR ONE TIME ONLY

DOT Proper Shipping Name per 49 CFR 172.101:
Waste Corrosive Liquid, toxic, n.o.s.

DOT Hazard Class: 8 UN/NA Number: UN2922 Packing Group: I II III None

V COMMENTS

VI GENERATOR CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste, and I believe that the information I submitted is true, accurate and complete.

STEVEN L. RENNINGER
Generator Name (Please print or type)

2 / 4 / 97
Date

Generator Signature

OSC
Title

VII WASTE ANALYSIS

MINIMUM ANALYTICAL REQUIREMENTS FOR HAZARDOUS WASTES ARE (All Methods per SW846):

- Flash, pH, and Reactives (Detection limit of 20ppm for Cyanide and Sulfide)
- PCBs, %HOCs (Method 9020), Nickel and Thallium
- TCLP metals: Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver
- Michigan metals: Copper and Zinc

(The above items may be restricted from land disposal.)

LABORATORY ANALYSIS IS ATTACHED FOR THE ABOVE ITEMS:

Yes____ No____ Complete____ Partial____* MSDS ✓

* ____ Authorization for Dynecol to perform analysis as necessary

Purchase Order #____

VIII DYNECOL USE ONLY

Approval #:

Treatment Facility: CMF:

Approved by: Date:

Expiration date:

DYNECOL
MID 074259565

DYNECOL, INC.

(313) 571-7141

CERTIFICATION FORM

Universal Treatment Standards (UTS) / Volatile Organic Compounds (VOC)

Approval #: _____ Waste Type: Hydro fluoric Acid

Generator Name: USEPA Dayton Electroplate EPA ID#: OHD004278628

The EPA has promulgated treatment standards for characteristic wastes. Characteristic wastes which have been treated to remove the characteristic property must also be treated to remove any underlying hazardous constituents. The "Underlying Hazardous Constituents" MUST be identified for waste streams which carry one or more of the following waste codes: **D001** (Ignitibility), if not treated by RORGS or CMBST (i.e. D001 high TOC subcategory), **D002** (Corrosivity), **D003** (Reactivity), **D012-D043** (Toxicity), if not treated in a Clean Water Act (CWA), or CWA equivalent or Safe Drinking Water Act facility.

This certification form is also required for hazardous wastes from non-specific sources pertaining to spent halogenated and non-halogenated solvents (**F001-F005**). The "Regulated Hazardous Constituents" must be identified for these wastes.

Also, Dynecol must now track the volatile organic content of the waste it receives. For wastes containing less than 500 mg/kg total VOCs, generators should certify in the appropriate box. Wastes containing greater than or equal to 500 mg/kg total VOCs require that the volatile organic compounds be identified. The compounds pertaining to this requirement are marked "**VOC**" on the "Underlying Hazardous Constituents Table/Volatile Organic Compounds Table".

Dynecol, Inc. is requesting **GENERATOR** certification whether the waste material contains hazardous constituents as listed in 40 CFR 268.42 Table UTS-- Universal Treatment Standards or Volatile Organic Compounds (VOC). The generator may make these determinations based on waste analysis data and/or knowledge of the waste. These constituents are listed on the "Underlying Hazardous Constituents Table / Volatile Organic Compounds Table" included with this form.

Please specify the following:

- [x] The material DOES NOT contain Underlying Hazardous Constituents (constituents are not present or present at a concentration below the treatment standard).
- [ ] The material DOES contain Underlying Hazardous Constitents (constituents are present at a concentration above the treatment standard). Please specify these constituents on the UHC/VOC Table and attach.
- [x] The material DOES NOT contain Volatile Organic Compounds (VOC concentration is less than 500 mg/kg).
- [ ] The material DOES contain Volatile Organic Compounds (VOC concentration is greater than or equal to 500 mg/kg). Please specify these compounds on the UHC/VOC Table and attach.

I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste, and believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including a possibility of a fine and/or imprisonment.

Authorized Signature	Printed Name	Date
Steh. R	S. RENNINGER	2/5/97

ANNUAL CERTIFICATION--GENERATOR MUST RETAIN A COPY OF THIS DOCUMENT

TCCERT.DOC REVISED 10/94

UNDERLYING HAZARDOUS CONSTITUENTS TABLE / VOLATILE ORGANIC COMPOUNDS TABLE

UTSPGATS REVISED 10/96

Please specify:
- [ ] Wastewater
- [ ] Non-wastewater

Approval#_____ Generator Name: _____

CHECK ALL CONSTITUENTS PRESENT AND SPECIFY WASTEWATER OR NON-WASTEWATER

✓	CONSTITUENT
	ORGANIC CONSTITUENTS:
	A2213
	Acenaphthene
	Acenaphthylene
	Acetone (VOC)
	Acetonitrile
	Acetophenone
	2-Acetylaminofluorene
	Acrolein
	Acrylamide
	Acrylonitrile
	Aldecarb sulfone
	Aldrin
	4-Aminobiphenyl
	Aniline
	Anthracene
	Aramite
	Barban
	Bendiocarb
	Bendiocarb phenol
	Benomyl
	alpha-BHC
	beta-BHC
	delta-BHC
	gamma-BHC
	Benzal Chloride
	Benz(a) anthracene
	Benzene (VOC)
	Benzo(b) fluoranthene
	Benzo(k) fluoranthene
	Benzo(g,h,i) perylene
	Benzo(a) pyrene
	bis(2-Chloroethoxy) methane
	bis(2-Chloroethyl) ether
	bis(2-Chloroisopropyl) ether
	bis(2-Ethylhexyl) phthalate
	Bromodichloromethane (VOC)
	Bromoform(Tribromomethane)(VOC)
	Bromomethane(Methyl bromide)
	4-Bromophenyl phenyl ether
	n-Butanol(n-Butyl Alcohol)(VOC)
	Butyl benzyl phthalate
	Butylate
	2-sec-Butyl-4,6-dinitrophenol(Dinoseb)
	Carbaryl
	Carbenzadim
	Carbofuran
	Carbofuran phenol
	Carbon disulfide (VOC)
	Carbon tetrachloride (VOC)
	Carbosulfan
	Chlordane (alpha and gamma)
	p-Chloroaniline
	Chlorobenzene (VOC)
	Chlorobenzilate
	2-Chloro-1,3 butadiene
	Chlorodibromomethane (VOC)
	Chloroethane (VOC)
	Chloroform (VOC)
	p-Chloro-m-cresol
	2-Chloroethyl vinyl ether (VOC)
	Chloromethane (Methyl Chloride)
	2-Chloronaphthalene
	2-Chlorophenol

✓	CONSTITUENT
	3-Chloropropylene
	Chrysene
	m-Cresol (VOC)
	p-Cresol (VOC)
	o-Cresol (VOC)
	m-Cumenyl methylcarbamate
	Cycloate
	Cyclohexanone (VOC)
	o,p'-DDD
	p,p'-DDD
	o,p'-DDE
	p,p'-DDE
	o,p'-DDT
	p,p'-DDT
	Dibenz (a,h) anthracene
	Dibenzo (a,e) pyrene
	1,2-Dibromo-3-chloropropane
	1,2-Dibromoethane (ethylene dibromide)
	Dibromoethane
	m-Dichlorobenzene (VOC)
	o-Dichlorobenzene (VOC)
	p-Dichlorobenzene
	Dichlorodifluoromethane
	1,1-Dichloroethane
	1,2-Dichloroethane (VOC)
	1,4-Dichloroethane (VOC)*
	1,1-Dichloroethylene
	trans-1,2-Dichloroethylene(VOC)
	2,4-Dichlorophenol
	2,6-Dichlorophenol
	2,4-D
	1,2-Dichloropropane (VOC)
	cis-1,3-Dichloropropylene (VOC)
	trans-1,3-Dichloropropylene (VOC)
	Dieldrin
	Diethyl phthalate
	Diethylene glycol, dicarbamate
	p-Dimethylaminoazobenzene
	2,4-Dimethyl phenol
	Dimethyl phthalate
	Di-n-butyl phthalate
	1,4-Dinitrobenzene
	4,6-Dinitro-o-cresol
	2,4-Dinitrophenol
	2,4-Dinitrotoluene
	2,6-Dinitrotoluene
	Di-n-octyl phthalate
	Di-n-propylnitrosamine
	1,4-Dioxane
	Diphenylamine
	Diphenylnitrosamine
	1,2-Diphenylhydrazine
	Disulfoton
	Dithiocarbamates (total)
	Endosulfan I
	Endosulfan II
	Endosulfan sulfate
	Endrin
	Endrin aldehyde
	EPTC
	2-Ethoxyethanol (VOC)*
	Ethyl acetate (VOC)
	Ethyl benzene (VOC)
	Ethyl cyanide (Propanenitrile)

✓	CONSTITUENT
	Ethyl ether (VOC)
	Ethyl methacrylate
	Ethylene oxide
	Famphur
	Fluoranthene
	Fluorene
	Heptachlor
	Heptachlor epoxide
	Hexachlorobenzene
	Hexachlorobutadiene
	Hexachlorocyclopentadiene
	Hexachlorodibenzo-furans
	Hexachlorodibenzo-p-dioxins
	Hexachloroethane
	Hexachloropropylene
	Indeno (1,2,3-c,d) pyrene
	Iodomethane
	Isobutanol (VOC)
	Isodrin
	Isolan
	Isosafrole
	Kepone
	Methacrylonitrile
	Methanol (VOC)
	Methoxylene
	Methiocarb
	Methomyl
	Methoxychlor
	3-Methylcholanthrene
	4,4-Methylene bis(2-chloroaniline)
	Methylene chloride (VOC)
	Methyl ethyl ketone (VOC)
	Methyl isobutyl ketone(VOC)
	Methyl methacrylate
	Methyl methansulfonate
	Methyl parathion
	Metolcarb
	Mexacarbate
	Molinate
	2 Naphthylamine
	Naphthalene
	o-Nitroaniline
	p-Nitroaniline
	Nitrobenzene (VOC)
	5-Nitro-o-toluidine
	o-Nitrophenol
	p-Nitrophenol
	2-Nitropropane (VOC)*
	N-Nitroso-di-n-butylamine
	N-Nitrosodiethylamine
	N-Nitrosomethylethylamine
	N-Nitrosomorpholine
	N-Nitrosopiperidine
	N-Nitrosopyrrolidine
	Oxamyl
	Parathion
	Total PCB's
	Pebulate
	Pentachlorobenzene
	Pentachlorodibenzo furans
	Pentachlorodibenzo-p-dioxins
	Pentachloroethane
	Pentachloronitrobenzene
	Pentachlorophenol

✓	CONSTITUENT
	Phenacetin
	Phenanthrene
	Phenol
	o-Phenylenediamine
	Phorate
	Phthalic acid
	Phthalic anhydride
	Physostigmine
	Physostigmine salicylate
	Promecarb
	Pronamide
	Propham
	Propoxur
	Prosulfocarb
	Pyrene
	Pyridine (VOC)
	Safrole
	1,2,4,5-Tetrachlorobenzene
	Tetrachlorodibenzo-furans
	Tetrachlorodibenzo-p-dioxins
	1,1,1,2-Tetrachloroethane
	1,1,2,2-Tetrachloroethane (VOC)
	Tetrachloroethylene (VOC)
	2,3,4,6-Tetrachlorophenol
	Thiodicarb
	Thiophanate-methyl
	Tirpate
	Toluene (VOC)
	Toxaphene
	Triallate
	1,2,4-Trichlorobenzene
	1,1,1-Trichloroethane (VOC)
	1,1,2-Trichloroethane (VOC)
	Trichloroethylene
	Trichlorofluoromethane(VOC)
	2,4,5-Trichlorophenol
	2,4,6-Trichlorophenol
	2,4,5-T
	2,4,5-TP (Silvex)
	1,2,3 Trichloropropane
	1,1,2-Trichloro-1,2,2-trifluoroethane (VOC)
	Triethylamine
	tris(2,3-Dibromopropyl) phosphate
	Vernolate
	Vinyl chloride
	Xylene-sum of mixed isomers (VOC)
	METALS AND INORGANICS:
	Antimony
	Arsenic
	Barium
	Beryllium
	Cadmium
	Chromium (Total)
	Cyanide (Total)
	Cyanide (Amenable)
	Fluoride**
	Lead
	Mercury (retort residues)
	Mercury (all others)
	Nickel
	Selenium
	Silver
	Sulfide
	Thallium
	Vanadium**
	Zinc**

* - 1,4-Dichloroethane, 2-Ethoxyethanol and 2-Nitropropane are for VOC Certification and are not Underlying Hazardous Constituents

** - Zinc, Vanadium and Fluoride are not Underlying Hazardous Constituents requiring treatment in Characteristic wastes.