UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 22 1999

Mr. Neal Maxymillian, Vice President
Maxymillian Technologies, Inc.
84 State Street
Boston, Massachusetts 02109

Dear Mr. Maxymillian

The Environmental Protection Agency (EPA) grants approval to Maxymillian Technologies, Inc. (Maxymillian) to continue the PCB disposal interim operations to treat soil at at the Fairground Avenue Stockpile Remediation Site in North Adams, Massachusetts. Operating conditions for Maxymillian shall be those demonstrated during the TSCA PCB Disposal Demonstration Test for Approval Amendment in North Adams, Massachusetts on March 25 and 26, 1999. The Massachusetts Department of Environmental Protection (MA DEP) has oversight responsibilities for the site remediation. Maxymillian shall comply with all Federal, State and local statutes and regulations. Pursuant to the PCB Disposal Demonstration Approval dated March 19, 1999, a verbal approval was granted on April 5, 1999. This approval becomes effective retroactively to April 5, 1999 and terminates May 8, 1999.

Maxymillian has submitted analytical data (Enclosure) which confirms that the Maxymillian Indirect Thermal Desorption System (IDS) complies with the requirements for PCB incineration, 99.9999% destruction and removal efficiency and satisfies the dioxin and furan emission criteria required by the company's nationwide PCB Disposal Approval. The emission results and treated soil results (< 2 ppm PCB required) are summarized below.

	Run 1	Run 2	Run 3
PCB DREs, %	99.9999996	99.9999999	not applicable
Total PCDD/PCDF TEQ Concentration, ng/dscm @ 7% O_2	0.00318	0.00376	not applicable
Treated Soil, mg PCB/Kg Soil	0.277	0.489	1.18

CONCURRENCES

SYMBOL	7404	7404						
SURNAME	Dodohara	Bay						
DATE	4/19/99	4/22/99						

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If you have any questions, please call me at (202) 260-3933. All technical questions pertaining to this approval should be directed to Mr. Hiroshi Dodohara at (202) 260-3959.

Sincerely,

Tony Baney, Chief
Fibers and Organics Branch

cc: Kim Tisa, Region I
Cathy Wanat, MA DEP

Maxymillian PCB Disposal Demonstration, North Adams, MA
March 25-26, 1999
Demonstration Results

STACK EMISSIONS

PCB Emissions

	Run 1	Run 2
Total PCBs per sample, µg	1,300	0.230
PCB Concentration, µg/dscm	0.40	0.0732
PCB Feed Rate, g/min	588.4	474.6
PCB Emissions Rate, g/min	2.288E-06	3.8976E-07
PCB DREs, %	99.9999996	99.9999999
PCB Emission Rate. gm/sec	3.8128E-08	6.4960E-09

Dioxin/Furan Emissions

	Run 1	Run 2
Total PCDD/PCDF TEQ Conc. ng/dscm @ 7% O_2	0.00318	0.00376

SOIL ANALYSIS

PCBs in Soil, Analytical Results, mg/Kg

	Run 1	Run 2	Run 3
Untreated Soil	4,180	3,080	3,080
Treated Soil	0.277	0.489	1.18

Volatile Organics Soil Analytical Results, mg/Kg

Untreated Soil

VOLATILE ORGANIC COMPOUNDS DETECTED, mg/Kg

	Run 1	Run 2	Run 3
n-Butylbenzene	0.388	ND	ND
sec-Butylbenzene	0.311	ND	0.114
tert-Butylbenzene	0.127	ND	ND
cis-1,2-Dichloroethene	1.54	1.87	3.76
Ethylbenzene	0.10	ND	ND
Hexachlorobutadiene	2.38	ND	ND
p-Isopropyltoluene	0.267	ND	ND
Napthalene	ND	0.153	0.109
Tetrachloroethene (PCE)	1.47	1.28	2.61
Trichloroethene	10.2	14.2	14.0

VOLATILE ORGANIC COMPOUNDS NOT DETECTED IN UNTREATED SOIL SAMPLES
(detection limit is 0.1 mg/Kg unless otherwise noted)

Acetone (detection limit, DL = 1.5)
Acrolein (DL = 1.0)
Acrylonitrile (DL = 1.0)
Benzene
Bromobenzene
Bromoform
Bromomethane (Methyl Bromide)
2-Butanone (MEK) (DL = 1.0)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloromethane (Methyl Chloride)
Chlorodibromomethane
2-Chloroethy; vinyl ether
Chloroform
2-Chlorotoluene
4-Chlorotoluene
Dibromomethane
1,2-Dibromomethane (Ethylene Dibromide)*
1,2-Dibromo-3-chloropropane
Dichlorodiflouromethane (Freon 12)*
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,1-Dichloroethane
1,2-Dichloroethane (EDC)
1,1-Dichloroethene
trans-1,2-Dichloroethene
2,2-Dichloropropane
1,3-Dichloropropane
1,1-Dichloropropene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
2-Hexanone (MBK) (DL = 1.0)
Hexachlorobutadiene (DL = 1.0)
Iodomethane
Isopropylbenzene
Methyl-t-butyl ether (MtBE)
Methylene Chloride (DL = 1.0)
4-Methyl-2-pentanone (MIBK) (DL = 1.0)
n-Propylbenzene
Styrene
1,1,2,2-Tetrachloroethane
1,2,4-Trichlorobenzene
1,2,3-Trichlorobenzene
1,1,1-Trichloroethane (TCA)
1,1,2-Trichloroethane
Trichlorethene (TCE)
Trichlorofluoromethane
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Toluene
Vinyl Acetate (DL = 1.0)
Vinyl Chloride
m/p-Xylene
o-Xylene

Treated Soil

Treated soil contained no detectable quantity of those volatile organic compounds listed above for all three runs, at detection limits noted above.