

Hazardous Waste Section
File Room Document Transmittal Sheet

17

Your Name: Spring Allen
EPA ID: N C D 9 8 1 4 7 1 4 6 9
Facility Name: Kyocera Engineered Ceramics, Inc.
Document Group: Inspection/Investigation (I)
Document Type: Other (O)
Description: CEIs and documents dated between October 30, 1986 and June 20, 1994
Date of Doc: 10/30/1986
Author of Doc: various

File Room Use Only

NCD981471469

Date Recieved by File Room:

Month	Day	Year

Scanner's Initials:

Date Scanned:

EPA ID: NC091811471469

DATA ENTRY PERSONNEL

Submitted by: _____ Date: _____

Entered by: _____ Date: _____

Facility Name: KWO CERA ENGINEERED CERAMICS City: Mountain Home

EVALUATION DATA: New: Change: Delete: (: Required)

Agency: S Date: Mo. 11 Day 18 Year 94

Type: CE

Control Number Data Entry Personnel									

Person: 01611 BRANCH 011 REASON 11

Coverage Areas: (E: Evaluated NE: Not Evaluated NA: Not Applic. D:Del.)

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GOR	
GPT	
GRR	
GSC	
GSO	

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COMPLIANCE SCHEDULE (TSD, GEN, TRANS.)
FEA CAS

Evaluation Comments:
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Hickman Co

DAT ENTRY PERSONNEL

Region IV CM&E Form - Side B

Submitted by: _____ Date: _____
Entered by: _____ Date: _____

EPA ID: MCD9811471969

Facility Name: KYKFEA Engineering (Chemical) City: Mountain Home

ENFORCEMENT DATA: New: 2 Change: _____ Delete: _____ (_____ : Required)

Agency: S Type: ITD Date: 01/19/94 Number (Data Entry) _____
Person: 0611 Branch: 011 Comment (72): _____

Now drafted written tickets # 94 - 188

Penalty Data
Assessed: \$ _____ Paid: \$ _____ Date Paid: _____
Settled: \$ _____

Enforcement Comments: 1: _____
(74)
2: _____

Cite violations for this enforcement action below -

VIOLATION DATA: New: _____ Change: _____ Delete: _____

#4 Agency: S Type: KPIT Date (mdy) 02/11/94 Class:
Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry) _____
Return to Compliance: Scheduled 05/19/94 Actual 06/20/94
Reg. Type: SR Reg. Description (30): 262.34 (a)(3) W/OC/HW
Comment (72): not on containers

#5 Agency: S Type: KPIT Date (mdy) 02/11/94 Class:
Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry) _____
Return to Compliance: Scheduled 05/19/94 Actual 06/20/94
Reg. Type: SR Reg. Description (30): 262.34(a)(4)
Comment (72): 265.16(a) no HW training

#6 Agency: S Type: KPIT Date (mdy) 02/11/94 Class:
Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry) _____
Return to Compliance: Scheduled 05/19/94 Actual 06/20/94
Reg. Type: SR Reg. Description (30): 262.34 / 265.16 (d)(1)
Comment (72): No Jib trolleys

Continue violation data if necessary -

F. Anderson Co.

Region IV CM&E Form - Side C Submitted by: _____ Date: _____

EPA ID: NC0981471469

Entered by: _____ Date: _____

Facility Name: KYCCERA Chemical Co. Wax City City: Mountain Home NC

VIOLATION DATA: New: Change: Delete:

7 Agency: Type: GPT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

Return to Compliance: 05/19/94 Scheduled 06/20/94 Actual

Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.52(d)

Comment (72): Name address ph. for coordinators

8 Agency: Type: GPT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

Return to Compliance: 05/19/94 Scheduled 06/20/94 Actual

Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.52(a)

Comment (72): List of equipment

9 Agency: Type: GPT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

Return to Compliance: 05/19/94 Scheduled 06/20/94 Actual

Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.16(d)(2)

Comment (72): Job description

10 Agency: Type: GPT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

Return to Compliance: 05/19/94 Scheduled 06/20/94 Actual

Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.16(d)(3)

Comment (72): Training description

11 Agency: Type: GPT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

Return to Compliance: 05/19/94 Scheduled 06/20/94 Actual

Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.31

Comment (72): operations - release in storage area

12 Agency: Type: GPT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

Return to Compliance: 05/19/94 Scheduled 06/20/94 Actual

Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.52(c)

Comment (72): describe arrangements

RCRA INSPECTION REPORT

- 1) Facility Name: Kyocera Engineered Ceramics, Inc.
ID Number: NCD 981 471 469
Type of facility: SQ6 -
Ownership: Kyocera International, Inc.
Contact: Nancy Montgomery
Phone number: 704-693-6241
Facility location (address): 100 Industrial Park Rd (Po Box 678)
City, state, zip: Mountain Home NC 28758 (Mountain Home 28758)
- 2) Survey Participants:
Nancy Montgomery Bill Baldwin Jerry Allen
- 3) Date of Inspection: June 20, 1994
- 4) Purpose of Inspection: CSE -
- 5) Facility Description: no changes in processes since
Processes: date of inspection. March 17 & 18.
Type Waste: However changeover to Safety-Kleen
Premium solvent for 50% of
Transporters: cleaning. Additionally ongoing
TSD's: investigation of "MIRACHEM"
cleaning solution. as now
Accumulation areas: RCRA.
Storage areas: Kyocera Engineered Ceramics, Inc.
in compliance with
NOV docket # 94-188

6) Waste Minimization:

50-60% reduction to date of DCOI by substitution

7) Site Deficiencies:

C A1 - Engineering changes to eliminate storage of waste and change to premium non RCRA solvent. ie no hazardous waste on site at the time of inspection

C A2 Elimination of storage ^{of hazardous} waste on site

C B Elimination of storage of hazardous waste on site

C C Elimination of storage of hazardous waste on site

C D1234 - Facility Personnel have received training through NC State - and UNC Asheville. Onsite training has also been given for additional personnel.

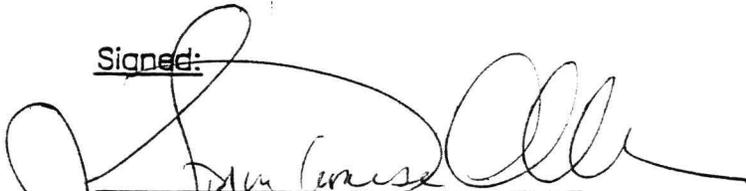
C D5 - Changes have been made in the lap pay area. parts washer equipment has been changed to a parts washer with agitator and drip rack built in. Release has been cleaned up and testing shows no contamination.

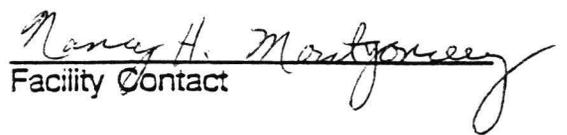
C D678 Facility has changed status to 546 - and required information is posted beside the telephone. ^{and} Rg arrangements have been made. Therefore Kycera Engineered Ceramics Inc.

8) Recommendations:

is in compliance with NCDocket # 94-188.

Signed:


Inspector/Reviewer
Date June 20, 1994


Facility Contact



KYOCERA ENGINEERED CERAMICS, INC.
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYO AFC

1/5

704-251-6452

June 17, 1994

*Received
6/21/94
[Signature]*

TO: Spring Allen
DEHNR
Hazardous Waste Section

FROM: Nancy Montgomery - KICC

SUBJECT: Soil & Concrete Analyses

Spring -

Please find enclosed our report from Pace Labs regarding soil and concrete analyses.

Please let me know if there is anything else that you require.

Regards,

Nancy Montgomery
Nancy Montgomery

Enclosures: (4) pages

Note: A copy of this memo and report will be sent to you on 6-20-94 by certified mail, return receipt requested.



June 16, 1994

Mr. Jerry Fortenberry
Kyocera Engineered Ceramics, Inc.
P.O. Box 678
Mountain Home, NC 28758

RE: PACE Project No. A40602.600
Client Reference: Soil & Concrete Analyses

Dear Mr. Fortenberry:

Enclosed is the report of laboratory analyses for samples received
June 02, 1994.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free
to contact us.

Sincerely,



Walter L. Miller
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Kyocera Engineered Ceramics, Inc.
P.O. Box 678
Mountain Home, NC 28758

June 16, 1994
PACE Project Number: A40602600

Attn: Mr. Jerry Fortenberry

Client Reference: Soil & Concrete Analyses

PACE Sample Number:		93 0218644	93 0218652
Date Collected:		06/02/94	06/02/94
Date Received:		06/02/94	06/02/94
Client Sample ID:		Soil	Concrete
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>Leachate</u>
			<u>(1)</u>

ORGANIC ANALYSIS

VOLATILE ORGANIC COMPOUNDS, LEACHATE

Vinyl Chloride	mg/L	0.10	ND	ND
1,1-Dichloroethylene	mg/L	0.05	ND	ND
Chloroform	mg/L	0.05	ND	ND
1,2-Dichloroethane	mg/L	0.05	ND	ND
2-Butane (MEK)	mg/L	0.10	ND	ND
Carbon Tetrachloride	mg/L	0.05	ND	ND
Trichloroethylene	mg/L	0.05	ND	ND
Benzene	mg/L	0.05	ND	ND
Tetrachloroethylene	mg/L	0.05	ND	ND
Chlorobenzene	mg/L	0.05	ND	ND

Analyses were performed on the Toxicity Characteristic Leaching Procedure (TCLP) extract.

These data have been reviewed and are approved for release.

Walter L. Miller

Walter L. Miller
Regional Director

Mr. Jerry Fortenberry
Page 2

FOOTNOTES
for page 1

June 16, 1994
PACE Project Number: A40602600

Client Reference: Soil & Concrete Analyses

MDL Method Detection Limit
ND Not detected at or above the MDL.
(1) All analysis performed on Toxic Characteristic Leachate.

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client Kyocera Engineering Ceramics Inc

Report To: Nancy Montgomery

Pace Client No. 701275

Address _____

Bill To: Kyocera

Pace Project Manager WLM

Phone 693-0241

P.O. # / Billing Reference _____

Pace Project No. A40602.600

Project Name / No. Soil Concrete

*Requested Due Date: 5/11

Sampled By (PRINT):
* Mark Swann *concrete sampled by Kyocera Bill Baldwin*

Sampler Signature Mark Swann Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS	
						UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA			
1	Soil ~8" (Seals Room)		Soil	21862.81	1							Just under concrete 6" under concrete "Bottom of concrete floor"
2	Concrete @ 6" down (Seals)		Soil	21863.62	2							
3												
4	Soil Leachate			21864.4						XX		
5	Concrete Leachate			21865.2						XX		
6												
7												
8												

COOLER NOS.	BAILERS	SHIPMENT METHOD		ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
OUT / DATE	RETURNED / DATE							
					<u>Nancy Montgomery</u>	<u>Mark Swann</u>	<u>6/7/94</u>	

Additional Comments
concrete sampled by Kyocera
Bill Baldwin

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

April 19, 1994

5/19/94

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF VIOLATION
Docket # 94-188

Mr. Jerry Fortenberry
Kyocera Engineered Ceramics, Inc.
100 Industrial Park Rd.
Post Office Box 678
Mountain Home, North Carolina 28758

NCD 981 471 469

Dear Mr. Fortenberry:

On December 18, 1980, the State of North Carolina, Hazardous Waste Section (Section) was authorized to operate the State Resource Conservation Recovery Act (RCRA) Hazardous Waste Program under the Solid Waste Management Act (Act), North Carolina General Statute 130A, Article 9 and rules promulgated thereto at 15A NCAC 13A (Rules) in lieu of the federal RCRA program. Kyocera Engineered Ceramics, Inc. of Mountain Home, North Carolina is classified as a generator of hazardous waste and is subject to the requirements of 40 CFR 262, codified at 15A NCAC 13A .0007, and 40 CFR 268, codified at 15A NCAC 13A .0012.

On March 17 and 18, 1994, Ms. Spring Allen, Waste Management Specialist with this office, inspected your facility for compliance with North Carolina Hazardous Waste Management Rules. During that inspection, the following violations were noted:

- A. 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided the waste is placed in containers and the generator complies with Subpart I of 40 CFR Part 265.
 1. 40 CFR 265.173(a), codified at 15A NCAC 13A .0010, states that a container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.173(a), codified at 15A NCAC 13A .0010, in that it failed to keep closed containers holding hazardous waste while in storage.

2. 40 CFR 265.174, codified at 15A NCAC 13A .0010, states that the owner or operator must inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(1)(ii), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.174, codified at 15A NCAC 13A .0010, in that it failed to conduct weekly inspections of hazardous waste storage areas as required.

NOTE: 15A NCAC 13A .0010(i) further states that, additionally, the owner or operator shall keep records and results of required inspections for at least three years from the date of the inspection.

- B. 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, in that it failed to mark containers holding hazardous waste with an accumulation start date.

- C. 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that while being accumulated on-site, each container and tank is labeled or marked clearly with the word, "Hazardous Waste".

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, in that it failed to mark containers holding hazardous waste with the words "Hazardous Waste" to identify the contents.

- D. 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the generator complies with the requirements for owners or operators in Subparts C and D in 40 CFR Part 265, with Section 265.16, and with 40 CFR 268.7(a)(4).
1. 40 CFR 265.16(a), codified at 15A NCAC 13A .0010 states that:
 - (1) Facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this part. The owner or operator must ensure that this program includes all the elements described in the document required under paragraph (d)(3) of this section.
 - (2) This program must be directed by a person trained in hazardous waste management procedures, and must include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed.
 - (3) At a minimum, the training program must be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including where applicable:
 - (i) Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment;
 - (ii) Key parameters for automatic waste feed cut-off systems;
 - (iii) Communications or alarm systems;
 - (iv) Response to fires or explosions;
 - (v) Response to groundwater contamination incidents;

- and
(vi) Shutdown of operations.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(a), codified at 15A NCAC 13A .0010, in that it failed to provide required training to personnel with hazardous waste management duties.

2. 40 CFR 265.16(d)(1), codified at 15A NCAC 13A .0010, states that the owner or operator must maintain the following documents and records at the facility: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(d)(1), codified at 15A NCAC 13A .0010, in that it failed to provide a job title for personnel with hazardous waste management duties.

3. 40 CFR 265.16(d)(2), codified at 15A NCAC 13A .0010, states that the owner or operator must maintain the following documents and records at the facility: a written job description for each position listed under paragraph (d)(1) of this section. This description may be consistent in its degree of specificity with descriptions for other similar positions in the same company location or bargaining unit, but must include the requisite skill, education, or other qualifications, and duties of facility personnel assigned to each position.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(d)(2), codified at 15A NCAC 13A .0010, in that it failed to provide required job descriptions for personnel with hazardous waste management duties.

4. 40 CFR 265.16(d)(3), codified at 15A NCAC 13A .0010, states that the owner or operator must maintain the following documents and records at the facility: a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under paragraph (d)(1) of this section.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(d)(3), codified at 15A NCAC 13A .0010, in that it failed to provide written description of required training for personnel with hazardous waste management duties.

5. 40 CFR 265.31, codified at 15A NCAC 13A .0010, states that facilities must be maintained and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.31, codified at 15A NCAC 13A .0010, in that it failed to maintain the facility in a manner which would prevent a release of hazardous waste. Specifically, in the lapping area in the hazardous waste storage and parts washing areas there is evidence of a release of D001/D039/D019 waste petroleum naphtha on the floor.

6. 40 CFR 265.52(c), codified at 15A NCAC 13A .0010, states that the plan (contingency plan) must describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services, pursuant to Section 265.37.

Note 40 CFR 265.37 states that:

- (a) The Owner or operator must attempt to make the following arrangements, as appropriate for the type of waste handled at his facility and the potential need for the services to these organizations:

- (1) Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes;

- (2) Where more than one police and fire department might respond to an emergency, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority;
- (3) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and
- (4) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

(b) Where State or local authorities decline to enter into such arrangements, the owner or operator must document the refusal in the operating record.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(4), Codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.52(c), codified at 15A NCAC 13A .0010, in that it failed to describe arrangements with emergency responders in the facility contingency plan pursuant to 40 CFR 265.37.

7. 40 CFR 265.52(d), codified at 15A NCAC 13A .0010, states that the plan must list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator (see Section 265.55), and this list must be kept up to date. Where more than one person is listed, one must be named as primary emergency coordinator and others must be listed in the order in which they will assume responsibility as alternates.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.52(d), codified at 15A NCAC 13A .0010, in that it failed to provide names, addresses, and phone numbers for emergency coordinators in the facility's contingency plan.

8. 40 CFR 265.52(e), codified at 15A NCAC 13A .0010, states that the plan must include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment,

communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list must be kept up to date. In addition, the plan must include the location and a physical description of each item on the list, and a brief outline of its capabilities.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.52(3), codified at 15A NCAC 13A .0010, in that it failed to provide a list of emergency equipment along with its capabilities and location in the facility's contingency plan.

COMPLIANCE SCHEDULE

By May 19, 1994, you shall comply with the following requirements:

- A. Comply with 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A .0007, specifically by:
 - (1) Ensuring that containers holding hazardous waste are kept closed unless adding or removing waste as required by 40 CFR 265.173(a).
 - (2) Ensuring that required inspections are conducted and records of inspections are kept as required by 40 CFR 265.174 and 15A NCAC 13A .0010(i).
- B. Comply with 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, by ensuring that containers holding hazardous waste are marked with an accumulation start date.
- C. Comply with 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, by ensuring that the containers holding hazardous waste are marked with the words "hazardous waste" to identify their contents.
- D. Comply with 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, specifically by:
 - (1) Ensuring that facility personnel with hazardous waste management duties receive training as required by 40 CFR 265.16(a).
 - (2) Ensuring that a job title for personnel with hazardous waste management duties is provided as required by 40 CFR 265.16(d)(1).

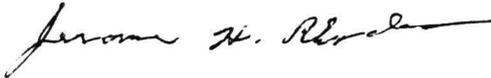
- (3) Ensuring that a job description for personnel with hazardous waste management duties is provided as required by 40 CFR 265.16(d)(2).
- (4) Ensuring that a description of both the continuing and initial training required for personnel with hazardous waste management duties is provided as required by 40 CFR 265.16(d)(3).
- (5) Ensuring that measures are taken to prevent the release of hazardous waste. Specifically ensure that the lapping area release is cleaned up and that current practices of allowing trays to drop onto the floor are stopped to prevent on going releases.
- (6) Ensuring that the contingency plan is amended to describe arrangements with emergency responders pursuant to 40 CFR 265.37 as required by 40 CFR 265.52(c).
- (7) Ensuring that the contingency plan is amended to include names, addresses, and phone numbers for emergency coordinators as required by 40 CFR 265.52(d).
- (8) Ensuring that the contingency plan is amended to include a list of emergency equipment with a brief description of its capabilities, and location as required by 40 CFR 265.52(e).

Note: Additionally 40 CFR 265.52 states that a copy of the contingency plan and all revisions to the plan must be:

- (a) Maintained at the facility; and
- (b) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

If the requirements above are not met, pursuant to N. C. General Statutes 130A-22(a) and 15A NCAC 13A .0701-.0707, an administrative penalty of up to \$25,000 per day may be assessed for violation of the hazardous waste law or regulations.

Sincerely,



Jerome H. Rhodes, Chief
Hazardous Waste Section

JHR/jsp/Kyocera

cc: Keith Masters
Spring Allen
Nann Guthrie
Central Files

6/20/94 || CSE

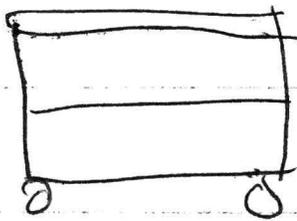
Kyocera

Phone in Japping area.

Emergency Contacts posted
beside phone.

actions to take fire/spillage

By SK Val in place w/ agitator
w/ draining rack after
draining the baskets are placed
on a ~~1~~ 1" containment cart



no liquid allowed
to floor - traps under
are handled by SK

also are investigating
use of Premium Solvent
is non RCRA Regulated

6 drums Premium Solvent on
site - same sort of catch
system built w/o Release

ER ^{guide} 500 response # 27

absorbant in place
release cleaned up

506 course



KYOCERA ENGINEERED CERAMICS, INC.
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYO AFC

May 18, 1994

Received
6-20-94
SA

Henderson County Sheriff's Department
114 2nd Avenue West
Hendersonville, NC 28739

Attention: Rocky Hyder

Dear Mr. Hyder:

As a small quantity generator of hazardous waste, we are enclosing with this letter a diagram of our facility showing the location of Safety-Kleen which we use in our lapping department. We are also enclosing our work and emergency procedures which are posted by our emergency phone and the MSDS on Safety-Kleen.

Regards,

Nancy Montgomery
EPA Coordinator

Enclosures



bcc: R. Osmun S. Cairnes
P. Cotter T. Riddle
E. Klein
D. Pollard
D. Rhodes
B. Baldwin

KYOCERA ENGINEERED CERAMICS, INC
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYO AFC

May 18, 1994

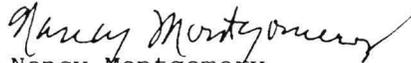
Mountain Home Fire Department
P. O. Box 264
Mountain Home, NC 28758

Attention: Chris Johnson

Dear Mr. Johnson:

As a small quantity generator of hazardous waste, we are enclosing with this letter a diagram of our facility showing the location of Safety-Kleen which we use in our lapping department. We are also enclosing our work and emergency procedures which are posted by our emergency phone and the MSDS sheets on Safety-Kleen.

Regards,


Nancy Montgomery
EPA Coordinator

Enclosures



KYOCERA ENGINEERED CERAMICS, INC.
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYO AFC

May 18, 1994

Pardee Hospital
715 Fleming Street
Hendersonville, NC 28739

Attention: Hazardous Waste Management

Dear Sir:

As a small quantity generator of hazardous waste, we are enclosing with this letter a diagram of our facility showing the location of Safety-Kleen which we use in our lapping department. We are also enclosing our work and emergency procedures which are posted by our emergency phone and the MSDS on Safety-Kleen.

Regards,


Nancy Montgomery
EPA Coordinator

Enclosures



KYOCERA ENGINEERED CERAMICS, INC
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYO AFC

May 18, 1994

U.S. Environmental Protection Agency
Hazardous Waste Division
Region #4
345 Courtland Street, N.E.
Atlanta, GA 30365

Dear Sir:

As a small quantity generator of hazardous waste, we are enclosing with this letter a diagram of our facility showing the location of Safety-Kleen which we use in our lapping department. We are also enclosing our work and emergency procedures which are posted by our emergency phone and the MSDS on Safety-Kleen.

Regards,

A handwritten signature in cursive script that reads "Nancy Montgomery".

Nancy Montgomery
EPA Coordinator

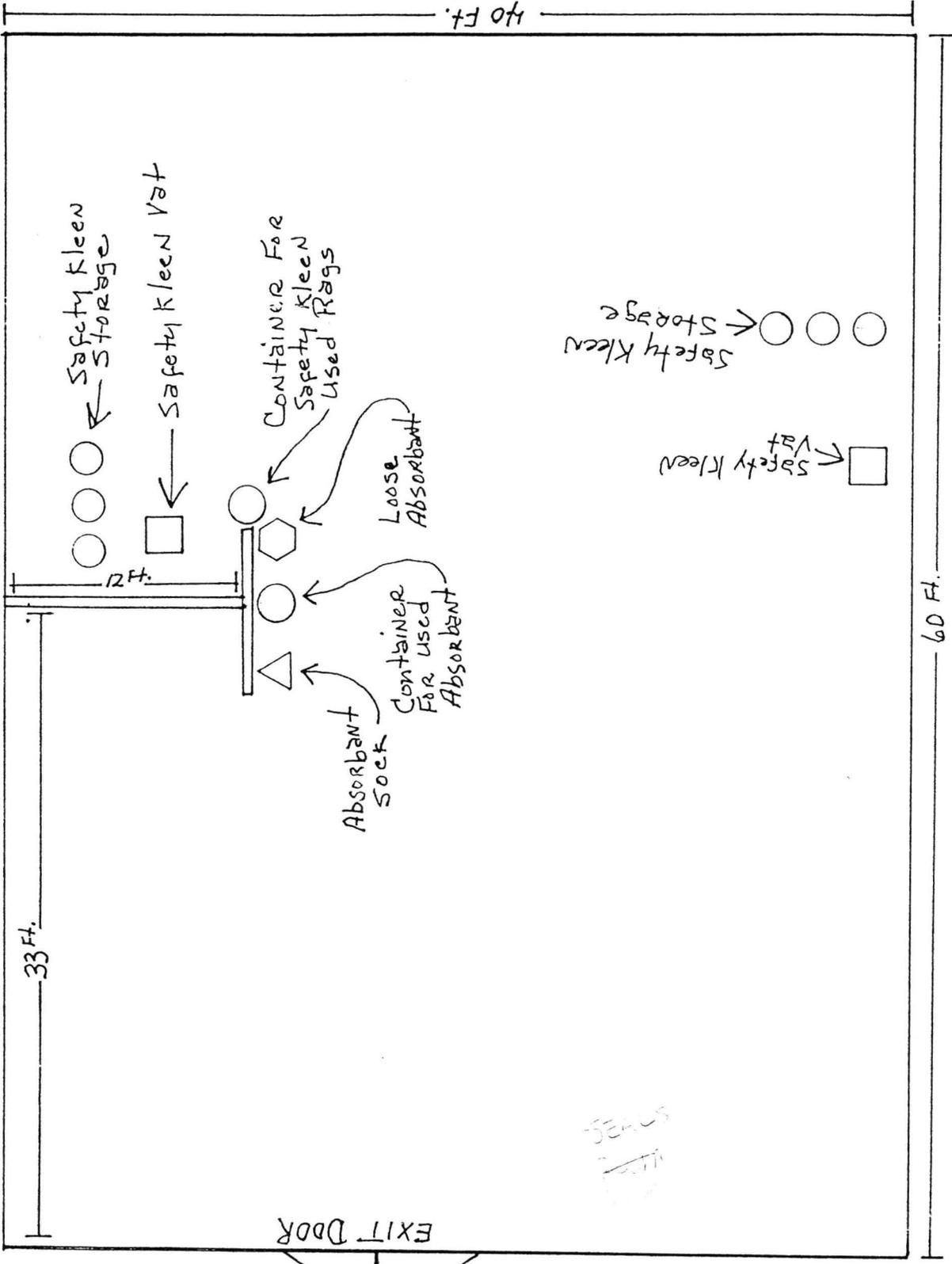
Enclosures

North

Main Hallway

05-18-94

East



40 Ft.

33 Ft.

12 Ft.

60 Ft.

EXIT DOOR

HALLWAY

Safety Kleen Storage

Safety Kleen Vat

Container For Safety Kleen Used Rags

Loose Absorbent

Container For Used Absorbent

Absorbent Sock

Safety Kleen Storage

Safety Kleen Vat

WORK PROCEDURES FOR USING
SAFETY-KLEEN

1. PLACE NEW DRUM OF SAFETY-KLEEN IN PLACE.
2. REMOVE LID FROM DRUM.
3. UNFASTEN CLEANING VAT AND LIFT FROM THE OLD USED DRUM AND PLACE ONTO THE NEW DRUM.
4. TAKE LID FROM THE NEW DRUM AND CLOSE THE OLD DRUM MAKING SURE THAT THE LID IS CLAMPED SECURELY AND SEALED PROPERLY.
5. PLACE HAZARDOUS WASTE TAG ON USED DRUM.
6. PLACE OLD DRUM IN DESIGNATED AREA FOR HAZARDOUS WASTE STORAGE.
7. PLACE ACCUMULATION LABEL ON OLD DRUM OF SAFETY-KLEEN AND FILL IN DATE STARTING THE ACCUMULATION.
8. CLEAN UP WORK AREA.

Greg Newman
Employee

5-23-94
Date

Norma A. Cole
Supervisor

5-23-94
Date

This is to certify that Greg Newman did receive training on correct work procedures for using Safety-Kleen.

WORK PROCEDURES FOR USING
SAFETY-KLEEN

1. PLACE NEW DRUM OF SAFETY-KLEEN IN PLACE.
2. REMOVE LID FROM DRUM.
3. UNFASTEN CLEANING VAT AND LIFT FROM THE OLD USED DRUM AND PLACE ONTO THE NEW DRUM.
4. TAKE LID FROM THE NEW DRUM AND CLOSE THE OLD DRUM MAKING SURE THAT THE LID IS CLAMPED SECURELY AND SEALED PROPERLY.
5. PLACE HAZARDOUS WASTE TAG ON USED DRUM.
6. PLACE OLD DRUM IN DESIGNATED AREA FOR HAZARDOUS WASTE STORAGE.
7. PLACE ACCUMULATION LABEL ON OLD DRUM OF SAFETY-KLEEN AND FILL IN DATE STARTING THE ACCUMULATION.
8. CLEAN UP WORK AREA.

John Vetter
Employee

5/23/94
Date

Norma Cole
Supervisor

5-23-94
Date

This is to certify that John Vetter did receive training on correct work procedures for using Safety-Kleen.

1st

Scott Workman
Daniel Wright
Randell Haves
Bill Lee
Charles Edens
John Victor
Greg Newman
Sally Wanicki
Jeff Anderson

Mae Leopold
Jan Dillon

2nd

Danniel Ammons
Stan Rycharak
Dean Salzman
Frank Chanes
Joey Rogers
Sam Leri
David Wanner



KYOCERA ENGINEERED CERAMICS, INC.
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYO AFC

May 16, 1994

*Received
5/19/94*

State of North Carolina
Department of Environment, Health, Natural Resources
Division of Solid Waste Management
P. O. Box 27687
Raleigh, North Carolina 27611-7687

Attention: Jerome H. Rhodes, Chief
Hazardous Waste Section

RE: Notice of Violation
Docket #94-188

Dear Mr. Rhodes:

In reference to your Letter of Violation, Docket #94-188 attached is Kyocera Industrial Ceramics Corporation's (formerly Kyocera Engineered Ceramics, Inc.) response. KICC was reclassified as a small generator of hazardous waste as of 4-26-94 and we have answered this Notice of Violation as per the requirements as specified by Spring Allen to Nancy Montgomery (per telephone conversation on 5-9-94).

We enclose with this letter the following attachments:

1. Attachment 1 - Letter from DEHNR reclassifying KECI to a small generator.
2. Attachment 2 - Sample and Analysis Data Entry Form from Pace (Sample of concrete floor was sent to Pace for analysis as per instructions from Spring Allen).
3. Attachment 3 - Work Procedures for Using Safety-Kleen and Emergency Procedures which are posted in work area and by emergency phone. (Employees have been trained).
4. Attachment 4 - Purchase Order from Bildon for the containment area which was built to prevent spills onto the floor.
5. Attachment 5 - Information on Mirachem 500
6. Attachment 6 - Diagram showing location of Safety-Kleen, etc. (Copy of diagram, Safety-Kleen MSDS and emergency information sent to hospital, fire and police departments and emergency response).



Mr. Jerome Rhodes
Page Two
May 16, 1994

We are currently in the process of finding a replacement product for Safety-Kleen and starting this week we will be testing a product called Mirachem 500 (Attachment 5).

Please let us know if there is anything else that you require.

Sincerely,

A handwritten signature in cursive script that reads "Nancy Montgomery".

Nancy Montgomery
EPA Coordinator

Attachments

cc: Spring Allen



RESPONSE TO N.O.V.

Docket #94-188

- A. (1) On March 18, 1994 employees who work with Safety-Kleen were re-instructed on the necessity of keeping lids on containers of Safety-Kleen.
- (2) Effective March 25, 1994 3-25-94 weekly inspections have been conducted with records kept in the Seals Department office. Effective May 4 daily inspections have been conducted with records kept in the Seals Department office.

B. Containers holding hazardous waste are now marked with an accumulation start date.

C. Containers holding hazardous waste are marked with the words "hazardous waste" to identify their contents.

D. (5) A containment area has been built and installed to prevent the release of hazardous waste. Employees have been re-instructed to clean up any spills immediately off the floor. (Copy of Purchase Order attached)

A sample of the concrete floor was taken from the lapping area release and sent to Pace Lab for analysis. (A copy of the invoice is attached). We are awaiting their report.

(6) Arrangements with emergency responders and phone numbers is posted by the emergency phone.

(7) Names, addresses and phone numbers for emergency coordinators is posted by the emergency phone.

(8) Emergency equipment, description and location of same is listed in the information posted by the emergency phone.

A diagram showing where Safety-Kleen is located and where the absorbent material and fire extinguisher are located has been posted and sent to the fire department, police department, hospital, and State and local emergency response teams called upon to provide emergency services.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



ATTACHMENT 1

April 26, 1994

KYOCERA ENGINEERED CERAMICS
PO BOX 678
MOUNTAIN HOME NC 28758

RE: EPA ID No.: NCD981471469

Dear Sir:

Based on information received by this office for the site identified with the above EPA ID number, the State has accepted and processed the change in RCRA classification or information for the above listed site.

Your EPA ID number is active.

Current computer record of your facility contains following information:

(X Indicates Operational Status of Your Facility)

- LARGE GENERATOR	X SMALL QNTY. GENERATOR
- TRANSPORTER	- TREATER
- STORER	- DISPOSER

Company Name:	KYOCERA ENGINEERED CERAMICS	
Owner:	KYOCERA INTERNATIONAL INC	
Owner Address:	8611 BALBOA AVE	
City, St.& ZIP:	SAN DIEGO	CA 92123
Contact:	FORTENBERRY	JERRY
Phone Number:	(704)693-0241	
Location Addr.:	100 INDUSTRIAL PARK ROAD	
City, St.& ZIP:	MOUNTAIN HOME	NC 28758

Please verify the above computer information. Please notify us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status, namely Company's Name, Ownership, Address, Contact, or Telephone.
Your EPA ID number is currently active.

Sincerely,

R.J. Edwards, Administrative Officer
Division of Solid Waste Management

P.O. Box 27687, Raleigh, North Carolina 27611-7687
An Equal Opportunity Affirmative Action Employer

Telephone 919-733-4994 FAX 919-715-3605
50% recycled/ 10% post-consumer paper

CC: SPRING ALLEN

Sample and Analysis Data Entry Form - New Sample(s)

Kyocera Engineered Ceramics, Inc
Mr. Jerry Fortenberry
P.O. Box 678
Mountain Home, NC. 28758

ATTACHMENT 2

Client No: 701275
Client Contact
Address

704-693-0241

Telephone No

Project No: A40505.502 Due Date: 5/26/94 Client P.O. No:
Project Manager: WLM Project Name: Concrete Analysis
Manager's Name: Walter L. Miller
Project Type:
QC Level: A Report Style: S
Desc:

Sample No: 93 020886.0 Collected Date: 0/00/00 Collected By: CLIENT
Lab Rec'd Date: 5/05/94 Checked-In By: EHM Priority: 4
Due Date: 5/24/94 Sample Desc: Seals Dept Concrete 1-6"
Bottle Types: GN GN
Comnt: SHELF 4 Matrix: SOLID
Analysis Abbr: Name:
TCLP Leach, Toxic Characteristic Procedure
8240-S GCMS FOR VOLATILE ORGANICS-8240

Sample No: 93 020887.8 Collected Date: 0/00/00 Collected By: CLIENT
Lab Rec'd Date: 5/05/94 Checked-In By: EHM Priority: 4
Due Date: 5/24/94 Sample Desc: Seals Dept Concrete Leachate
Bottle Types: MU
Comnt: SHELF 4 Matrix: WATER
Analysis Abbr: Name:
RCRA8-L 8 RCRA METALS - LEACHATE

WORK PROCEDURES FOR USING
SAFETY-KLEEN

1. PLACE NEW DRUM OF SAFETY-KLEEN IN PLACE.
2. REMOVE LID FROM DRUM.
3. UNFASTEN CLEANING VAT AND LIFT FROM THE OLD USED DRUM AND PLACE ONTO THE NEW DRUM.
4. TAKE LID FROM THE NEW DRUM AND CLOSE THE OLD DRUM MAKING SURE THAT THE LID IS CLAMPED SECURELY AND SEALED PROPERLY.
5. PLACE HAZARDOUS WASTE TAG ON USED DRUM.
6. PLACE OLD DRUM IN DESIGNATED AREA FOR HAZARDOUS WASTE STORAGE.
7. PLACE ACCUMULATION LABEL ON OLD DRUM OF SAFETY-KLEEN AND FILL IN DATE STARTING THE ACCUMULATION.
8. CLEAN UP WORK AREA.

IN CASE OF EMERGENCY

1. EMERGENCY COORDINATOR: Larry Drake
Phone Number: Ext. 235
Home Phone Number: (704) 697-9320
Home Address: P. O. Box 505
Mountain Home, NC 28758

ALTERNATE: Ed Osteen
Phone Number: Ext. 224 or 214
Home Phone Number: (704) 693-4390
Home Address: P. O. Box 184
Hendersonville, NC 28793

ALTERNATE: Nancy Montgomery
Phone Number: Ext. 111
Home Phone Number: (704) 693-0241
Home Address: Box 366, Rt. 4, Hidden Lake Rd.
Hendersonville, NC 28758

ALTERNATE: Bill Baldwin
Phone Number: Ext. 225
Home Phone Number: (704)255-7668
Home Address: 41 Marlowe Drive
Asheville, NC 28801

In Case of Fire: Dial 9, then 911

County Rescue Squad: Dial 9, then 911

Company Doctor: Dr. W. H. Strickland
692-8410

2. LOCATION OF EMERGENCY RESPONSE EQUIPMENT:

Fire Extinguisher: Lapping area - located on wall
Absorbent Material: Lapping area- absorbent sock

For small fires: Use fire extinguisher as soon as possible.
If it cannot be put out, call 911.

For large fires: Call 911.
Call Emergency Coordinator

For spill: For small spill use mop or oil dry.
Sweep up oil dry and dispose of into
by putting into the appropriate container
which is marked "Oil Dry
Hazardous Waste
Accumulation Date:_____"

Use rags and place into appropriate container
marked "Used Safety-Kleen Rags"

The emergency coordinator directs these
procedures which the employees have
previously learned.

For Medical Emergency: Notify one of the following
Emergency Medical Response persons:

Jim McCarson, ext.222 (7:00-4:00)
Larry Pace, ext. 192 (7:00-3:30)
Call 911

PURCHASE ORDER



THIS ORDER NUMBER MUST APPEAR ON ALL PACKAGES, INVOICES AND SHIPPING PAPERS.
56963

NE
10/17

ORDER

DATE 3/30/94

SHIP TO Kyocera Engineered Ceramics, Inc.

Bildon, Inc.
3000 Asheville Hwy.
Hendersonville, NC 28739

P.O. Box 678
100 Industrial Park Rd.
Mountain Home, N.C. 28758
Phone: 704-693-0241
Fax: 704-692-1340

SHIP VIA Vendor

F.O.B.	TERMS	DELIVERY DATE	CHARGE TAX	TAX EXEMPT
KECI	Net 30	3/31/94		
QUANTITY	DESCRIPTION		PRICE	AMOUNT
1 ea	Fabricate & Install (2) Drip Pans for Safety Kleen Operation and (1) Drip Pan for Drum Storage		\$300.00ea	\$300.00
ACCTG.-CODE	<p>Confirming Order</p> <p>Bill Baldwin 51314-72411</p> <p>IMPORTANT: THIS ORDER IS SUBJECT TO THE TERMS AND CONDITIONS ON THE FRONT AND THE BACK OF THIS FORM</p>			

C3/31/94

COMPLETED

[Handwritten Signature]
AUTHORIZED SIGNATURE

Mirachem 500 CLEANER/DEGREASER

Mirachem 500 is a new, water based cleaner/degreaser that has been formulated using Mirachem's proprietary emulsifying technology coupled with non-hazardous cleaning ingredients. This unique combination provides a cleaner/degreaser that can safely remove oil, grease, carbon and other organic deposits from all types of surfaces while meeting federal, state and local air pollution and waste water regulations.

Based on the same technology of Mirachem 100, **Mirachem 500** has been developed specifically for use not only in well ventilated areas, but also in confined spaces and in janitorial applications. **Mirachem 500's** unique formulation utilizing non-hazardous ingredients, not only provides an environmentally safe product for the user that really works, but also simplifies and, in most cases, eliminates various environmental compliance reporting. As an example, **Mirachem 500:**

- Is not considered photochemically reactive as defined by Rule 102 of the Rules and Regulations of the South Coast Air Quality Management District.
- Is exempt from the permit requirements of the County of San Diego Air Pollution Control District.
- Contains no total toxic organic (TTO) compounds, which simplifies industrial waste water permitting and toxic organic management plans.
- Contains no ingredients subject to SARA Title III Section 313 Part 372 reporting requirements.
- Has an extremely low composite vapor pressure.

Safety Attributes

- Contains no acids, phosphates, alkalines, chlorides, ethylene glycol ethers or other hazardous ingredients
- pH balanced
- Non-toxic
- Biodegradable
- Non-fuming
- Water soluble
- Non-flammable
- Non-combustible
- Non-caustic
- Non-corrosive
- Authorized for use in USDA inspected facilities

Frequent Uses

- Heavy duty parts degreasing
- Ultrasonic cleaning
- Pressure washing
- Steam cleaning
- Dip tanks
- Brushing
- Spraying
- Janitorial cleaning
- Hand cleaning
- Parts washers

Applications Techniques

Mirachem 500 may be applied by spraying, dipping, steam cleaning pressure washer, ultrasonic cleaning systems, brushing, sponging or cloth. Reapply as needed to keep the surface wet or use **Mirachem 500 Gel Formula** for vertical surfaces. Allow sufficient time for **Mirachem 500** to penetrate the dirty surface, then rinse or flush with water. Hot water or, ideally, hot high-pressure rinse will provide optimum results. Where water rinsing is not possible, wipe treated surface with wet cloth or sponge, taking care to frequently rinse. When cleaning upholstery, fabrics or carpet, apply **Mirachem 500** by spray and lightly rub soiled area with towel or a soft brush. Follow by wiping area with clean wet cloth or spray rinse with water and towel dry.

Old or heavy encrustations of thick material will require adequate time for penetration. Agitation with water pressure, cloth, sponge, brush or fiber pad will speed up the process on initial clean up. Afterward, regular maintenance will require normal application and rinse procedures. **For heavy carbon removal, use Mirachem 100.**

One important factor in the time necessary for penetration is temperature. In a warm environment, the material will penetrate faster than in a cold environment. For example, **Mirachern 500** will penetrate hydrocarbon buildup faster on a warm engine than on a cold engine. Warm or cold, **Mirachern 500** will provide the same residue-free results. The only difference will be in the cleaning time required.

Cleaning Various Surfaces

Mirachem 500 may be used on nearly any surface that is compatible with water rinsing. We do suggest that the user test the product before using on finished surfaces such as paint, varnish, plastic, etc. Since these surfaces are composed of hydrocarbon base materials, **Mirachem 500** may affect them. Typically, an affected surface would be one that has been poorly prepared and/or coated with a poor quality finish. Conversely, on most of these same surfaces finished with a good quality coating, **Mirachem 500** will do an outstanding job of cleaning the hydrocarbon buildup and aid in the restoration of the original color. A test in an inconspicuous area will determine any possible adverse effect.

Dilution Ratios

Mirachem 500 may be diluted with ordinary tap water or salt water. Dilution ratios will vary greatly depending on the amount of build up, temperature and speed required to complete the job. Suggested dilution ratios of water to **Mirachem 500**:

Full strength to 3:1

Degreasing engines, parts cleaning tanks, heavy deposits if ink or press cleaning, heavy hydrocarbon deposits on floors, etc.

3:1 or 10:1

Routine equipment and facility maintenance.

20:1 or Higher

Pressure washers/steam cleaners

If product thickens with use, dilute with additional water. In immersion degreasing systems and ultrasonic cleaners, the best results are obtained in a temperature range of 80°F to 105°F. Performance is enhanced by mechanical or bubbler agitation. We suggest that a little experimentation will determine optimum dilution ratios and temperature for your degreasing needs.

Industry Applications

Military

- Aircraft airframe
- Jet and turbine engines
- Weapon systems from small arms tanks, artillery to rocket launchers
- Aircraft carrier flight decks
- Ground transportation equipment
- Assault landing equipment

Utilities

- Parts washer tanks
- Heavy equipment
- In-plant cleanup
- Transmission oil
- Power transformers, safety gear and equipment

Metal Fabrication

- Pre-painting, plating or assembly

Aircraft Maintenance

- Replacing vapor degreasing systems
- Auxiliary power units
- Aircraft airframe
- Landing gear assemblies
- Carbon removal from jet and turbine engines
- Jet fuel nozzles and injectors

Publishing

- Blankets
- Heavy equipment
- Fountain solution trays
- Floors and walls
- Ink rollers

Marine

- Engines
- Bilges
- Decks
- Fiberglass
- Sails
- Teak

Automotive

- Engines
- Engine parts
- Carburetors
- Brakes
- Driveways
- Road tar
- White walls
- Vinyl
- Upholstery
- Carpet
- Chrome wheels
- Tools

Electronics

- Photo-Resist
- Circuit Boards

HISTORY OF MIRACHEM

The Mirachem Corporation, a Tempe, Arizona based company, was founded in 1978 by James G. Edwards with the express purpose to develop and market environmentally safe cleaning products as an alternative to hazardous chemicals used in industry and at home.

The formation of Mirachem was not based upon years of research by highly qualified, highly educated chemists funded by a major chemical company. Instead, it was based upon a single conclusion reached by Edwards, a non-chemist, after many years of exposure to hazardous solvents and corrosive acids while he did what he enjoyed most, restoring old Porsches. Edwards' solution appeared simple; develop products that are safe and that work. And that's exactly what he did, but only after three long years of trial and error in his kitchen at home.

His efforts produced a line of unique water-based products, including cleaner/degreasers used to remove organic materials such as oil, grease and carbon. The other product is a rust and scale remover used to remove inorganic materials such as rust and corrosion. In addition to being effective cleaners, these products have been tested non-toxic to OSHA and EPA standards and are biodegradable, water soluble, non-flammable, non-combustible, non-caustic, non-corrosive and non-fuming.

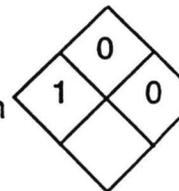
The only problem in 1978 was that no one seemed to care or understand the long range effects of using dangerous chemicals. What was good enough in the past was certainly good enough for the future. Despite the circumstances, Edwards began his one man campaign, espousing the benefits of safe cleaning alternatives while hoping that attitudes would ultimately change. Now, fifteen years later and after thousands of sales pitches, Edwards knows he was right.

Today, the general public, industry and the government have recognized what Edwards saw in 1978. Polluting the environment and exposing people to cleaning materials that are not safe cannot continue.

Mirachem still holds to its original purpose adopted in 1978 of providing safe cleaning products as an alternative to hazardous chemicals and its best spokesperson continues to be James G. Edwards. The main difference today is that everyone is finally listening.

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910-1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 MIRACHEM 500 CLEANER/DEGREASER

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name MIRACHEM CORPORATION	Emergency Telephone Number 1-800-847-3527
Address (Number, Street, City, State, and ZIP Code) 1045 SOUTH EDWARD DRIVE	Telephone Number for Information 602-966-3030
TEMPE, ARIZONA 85281	Date Prepared 9/1/93
MAILING ADDRESS: P.O. BOX 27608 TEMPE, AZ 85285-7608	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
THIS PRODUCT IS A WATER - BASED EMULSION AND IS CONSIDERED NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910-1200). NONE OF THE PRODUCT'S INGREDIENTS ARE FOUND ON ANY LIST OF HAZARDOUS, CARCINOGENIC OR BANNED CHEMICAL AGENTS OR MATERIALS GENERATED BY THEM. AGENCIES SURVEYED INCLUDE THE NATIONAL CANCER INSTITUTE, E.P.A., F.D.A., NATIONAL SCIENCE FOUNDATION, O.S.H.A. (CALIFORNIA AND FEDERAL), CONSUMER PRODUCT SAFETY COMMISSION, DEPARTMENT OF TRANSPORTATION (SAFETY INSTITUTE AND RESEARCH SPECIAL PROGRAMS ADMINISTRATION), AND NATIONAL TOXICOLOGY PROGRAM. THIS PRODUCT HAS A VOC OF 133 GMS/LITER OR 1.11 LBS/GAL. AND IS NOT CONSIDERED PHOTOCHEMICALLY REACTIVE AS DEFINED IN RULE 102 OF THE RULES AND REGULATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PRODUCT CONTAINS NO CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 PART 372 REPORTING REQUIREMENTS.				

TYPICAL pH OF THE PRODUCT IS 8.9 - 9.3

Section III — Physical/Chemical Characteristics

Boiling Point	210°F	Specific Gravity (H ₂ O = 1) 25°C	.997
Vapor Pressure (mm Hg.) @ 20°C	Composite .006	Melting Point	N/A
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	>1

Solubility in Water
 COMPLETE EMULSIFICATION IN FRESH AND SALT WATER

Appearance and Odor
 CLEAR TRANSPARENT LIQUID WITH MILD TANGERINE ODOR

Section IV.— Fire and Explosion Hazard Data

Flash Point (Method Used) AUTO IGNITION POINT	NONE TO 212°F (PMCC ASTM D93) - NONE TO 500°F	Flammable Limits NON-COMBUSTIBLE	NON-FLAMMABLE LEL N/A	UEL N/A
--	--	-------------------------------------	-----------------------------	------------

Extinguishing Media
 N/A

Special Fire Fighting Procedures
 N/A

Unusual Fire and Explosion Hazards
 N/A

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	XX	OXIDIZING AND REDUCING AGENTS
Incompatibility (Materials to Avoid)		STRONG ACIDS AND ALKALIES DEMULSIFY PRODUCT	
Hazardous Decomposition or By-products		THERMAL DECOMPOSITION MAY PRODUCE CO ₂	

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XX	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? NON-HAZARDOUS	Skin? NON-HAZARDOUS	Ingestion? NON-HAZARDOUS
--------------------	------------------------------	------------------------	-----------------------------

Health Hazards (Acute and Chronic)
ACUTE—NO KNOWN HAZARD. CHRONIC—NOT YET DETERMINED, HOWEVER, NO KNOWN HAZARDS TO DATE

Carcinogenicity: NONE	NTP? NO	IARC Monographs? NONE	OSHA Regulated? NO
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Signs and Symptoms of Exposure
NO SIGNS OR SYMPTOMS FROM NORMAL EXPOSURE. PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION OR DRYNESS TO SENSITIVE SKIN OR MILD EYE IRRITATION IF SPLASHED IN EYE AND NOT RINSED WITH WATER.

Medical Conditions
Generally Aggravated by Exposure NONE KNOWN

Emergency and First Aid Procedures
IF SPLASHED IN EYES. IMMEDIATELY FLUSH WITH WATER AND CONSULT PHYSICIAN IF NEEDED

Section VII — Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled
FLUSH WITH WATER INTO CONTAINING AREA

Waste Disposal Method
FLUSH TO SEWER WHERE APPLICABLE WITHIN FEDERAL, STATE OR LOCAL WASTE DISPOSAL REQUIREMENTS

Precautions to Be Taken in Handling and Storing
USE WITH ADEQUATE VENTILATION. PROTECT FROM FREEZING

Other Precautions
KEEP OUT OF REACH OF CHILDREN

Section VIII — Control Measures

Respiratory Protection (Specific Type) NO SPECIAL REQUIREMENTS. IF PRODUCT IS SPRAYED OR VAPORIZED A NIOSH CERTIFIED SELF-CONTAINED RESPIRATOR IS RECOMMENDED (BUT NOT REQUIRED)

Ventilation	Local Exhaust	NO SPECIAL REQUIREMENT USE WITH ADEQUATE VENTILATION	Special	NONE
	Mechanical (General)	NONE	Other	NONE

Protective Gloves	NO SPECIAL REQUIREMENT WATER RINSE FROM SKIN AFTER CONTACT	Eye Protection	AVOID EYE CONTACT WHERE SPLASHING MAY OCCUR
-------------------	--	----------------	---

Other Protective Clothing or Equipment
NOT REQUIRED

Work/Hygenic Practices ALTHOUGH NOT REQUIRED, WE RECOMMEND AS GOOD HYGENIC PRACTICE THE USE OF PREVENTIVE MEASURES SUCH AS RUBBER GLOVES FOR SENSITIVE SKIN AND ANTI-SPLASH EYE WEAR WHERE POSSIBLE TO SPLASH OR SPRAY INTO THE EYES.

Equipment

Distributors for Parts Cleaning Systems

- Heated Drum Mounted Stainless Tanks
- Free Standing Tank Models
- From 5 gal to 120 gallons with Dual Action Cleaning Systems

Ultrasonics

- 25 to 60 khz Frequency Ranges
- 2.5 gallons to 70 gallons Standard
- Custom and Automated Systems

Proportioning Systems

- Drum and Wall Mounted
- Single and Variable Dilution Units
- Battery Powered Programmable Systems
- Dilutions from 1 to 1 - 400 to 1

Ultrafiltration Systems

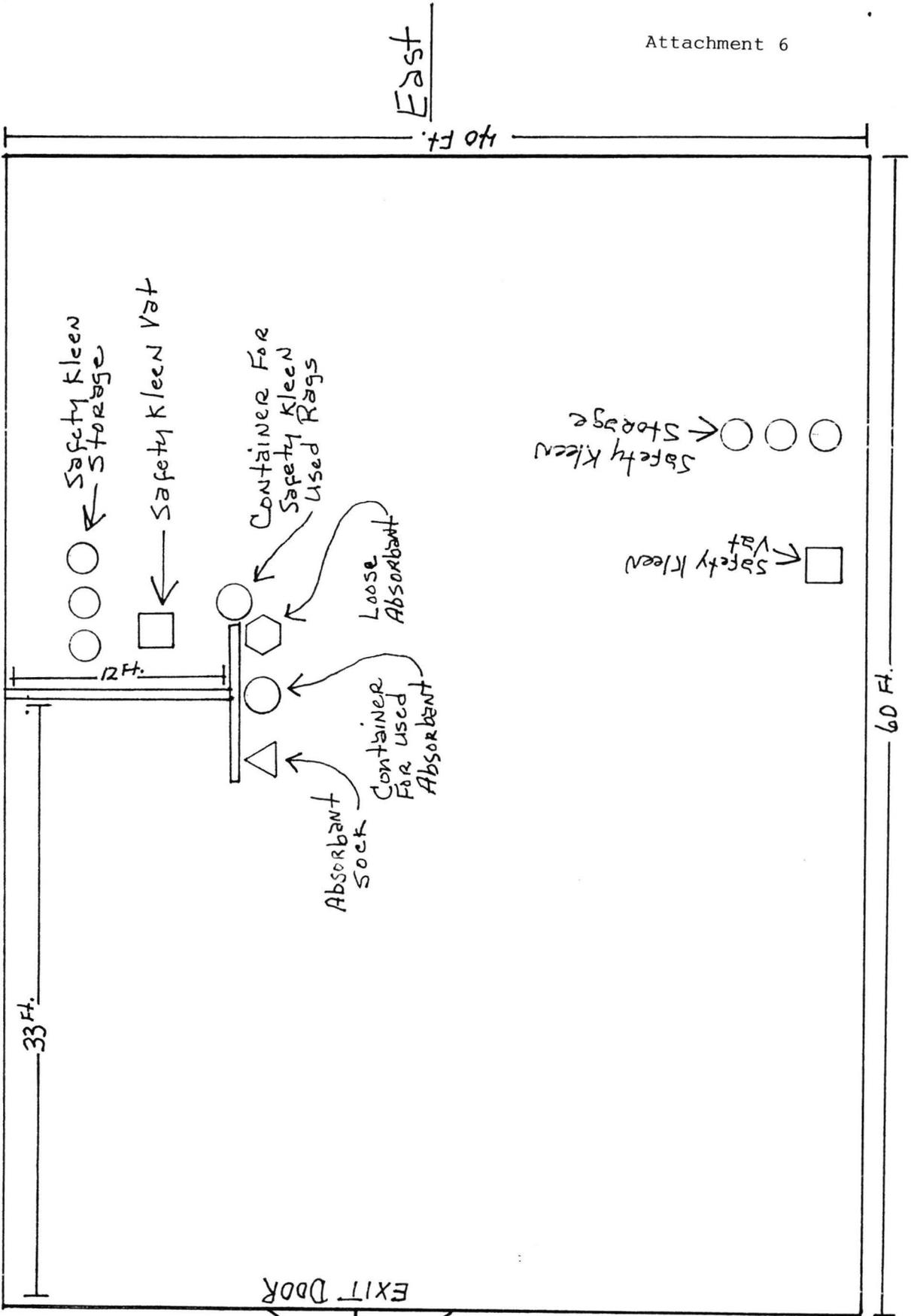
- Portable and Stationary Units
- 50 gallon/day to 3000 gallon/day

*Specific waste streams require equipment that meets local regulatory compliance.
—Our goal is zero discharge —*

05-18-94

North

Main Hallway



East

40 Ft.

60 Ft.

33 Ft.

12 Ft.

EXIT DOOR

Hallway

Safety Kleen Storage

Safety Kleen Vat

Container For Safety Kleen Used Rags

Loose Absorbent

Container For Used Absorbent

Absorbent Sock

Safety Kleen Vat

Safety Kleen Storage



KYOCERA ENGINEERED CERAMICS, INC.

100 INDUSTRIAL PARK ROAD
P.O. BOX 678
MOUNTAIN HOME, NC 28758
704/693-0241

INVOICE NO. 11911

INVOICE DATE 5-18-94

SHIPPED TO Ms. Spring Allen
N.C. Department of Environ.
Health & Natural Resources
Hazardous Waste Section
59 Woodfin Place
Asheville, NC 28801

SOLD TO N/A

OUR ORDER NO. N/A	VENDOR REJECT NO. N/A	SHIPPED VIA Fed. Exp. Letter	PPD. OR COLL. X
----------------------	--------------------------	---------------------------------	--------------------

QUANTITY	DESCRIPTION
	Shipping documentation per the request of N. Montgomery cc: E. Bowen B. Waldrup N. Montgomery



KYOCERA ENGINEERED CERAMICS, INC.
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYOAFK

1/5

704-251-6452

May 11, 1994

TO: Spring Allen
N.C. Department of Environment, Health and
Natural Resources

FROM: Nancy Montgomery

SUBJECT: New Product to Replace Safety-Kleen

Spring -

Please review the enclosed MSDS on Mirachem 500 which we are considering replacing for the currently used Safety-Kleen. We had a demonstration of the product and it did an excellent job of cleaning our product. Please let me know if you see any problem with our using this product.

Thank you for your attention to this matter.

Enclosures

Reviewed 5-11-94 SA
*Non RCRA Regulated
when waste
in ceramic product
formation. Tommy
Knowledge
w/ no heavy metal
etc. in
formulation.*

MIRACHEM

2/5

Mirachem 500 CLEANER/DEGREASER

Mirachem 500 is a new, water based cleaner/degreaser that has been formulated using Mirachem's proprietary emulsifying technology coupled with non-hazardous cleaning ingredients. This unique combination provides a cleaner/degreaser that can safely remove oil, grease, carbon and other organic deposits from all types of surfaces while meeting federal, state and local air pollution and waste water regulations.

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- Is not considered photochemically reactive as defined by Rule 102 of the Rules and Regulations of the South Coast Air Quality Management District.
- Is exempt from the permit requirements of the County of San Diego Air Pollution Control District.
- Contains no total toxic organic (TTO) compounds, which simplifies industrial waste water permitting and toxic organic management plans.
- Contains no ingredients subject to SARA Title III Section 313 Part 372 reporting requirements.
- Has an extremely low composite vapor pressure.

Safety Attributes

- | | |
|---|--|
| <ul style="list-style-type: none"> • Contains no acids, phosphates, alkalines, chlorides, ethylene glycol ethers or other hazardous ingredients • pH balanced • Non-toxic • Biodegradable • Non-fuming | <ul style="list-style-type: none"> • Water soluble • Non-flammable • Non-combustible • Non-caustic • Non-corrosive • Authorized for use in USDA inspected facilities |
|---|--|

Frequent Uses

- | | |
|---|---|
| <ul style="list-style-type: none"> • Heavy duty parts degreasing • Ultrasonic cleaning • Pressure washing • Steam cleaning • Dip tanks | <ul style="list-style-type: none"> • Brushing • Spraying • Janitorial cleaning • Hand cleaning • Parts washers |
|---|---|

Applications Techniques

Mirachem 500 may be applied by spraying, dipping, steam cleaning pressure washer, ultrasonic cleaning systems, brushing, sponging or cloth. Reapply as needed to keep the surface wet or use **Mirachem 500 Gel Formula** for vertical surfaces. Allow sufficient time for **Mirachem 500** to penetrate the dirty surface, then rinse or flush with water. Hot water or, ideally, hot high-pressure rinse will provide optimum results. Where water rinsing is not possible, wipe treated surface with wet cloth or sponge, taking care to frequently rinse. When cleaning upholstery, fabrics or carpet, apply **Mirachem 500** by spray and lightly rub soiled area with towel or a soft brush. Follow by wiping area with clean wet cloth or spray rinse with water and towel dry.

Old or heavy encrustations of thick material will require adequate time for penetration. Agitation with water pressure, cloth, sponge, brush or fiber pad will speed up the process on initial clean up. Afterward, regular maintenance will require normal application and rinse procedures. **For heavy carbon removal, use Mirachem 100.**

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One important factor in the time necessary for penetration is temperature. In a warm environment, the material will penetrate faster than in a cold environment. For example, **Mirachern 500** will penetrate hydrocarbon buildup faster on a warm engine than on a cold engine. Warm or cold, **Mirachern 500** will provide the same residue-free results. The only difference will be in the cleaning time required.

Cleaning Various Surfaces

Mirachern 500 may be used on nearly any surface that is comparable with water rinsing. We do suggest that the user test the product before using on finished surfaces such as paint, varnish, plastic, etc. Since these surfaces are composed of hydrocarbon base materials, **Mirachern 500** may affect them. Typically, an affected surface would be one that has been poorly prepared and/or coated with a poor quality finish. Conversely, on most of these same surfaces finished with a good quality coating, **Mirachern 500** will do an outstanding job of cleaning the hydrocarbon buildup and aid in the restoration of the original color. A test in an inconspicuous area will determine any possible adverse effect.

Dilution Ratios

Mirachern 500 may be diluted with ordinary tap water or salt water. Dilution ratios will vary greatly depending on the amount of build up, temperature and speed required to complete the job. Suggested dilution ratios of water to **Mirachern 500**:

Full strength to 3:1

Degreasing engines, parts cleaning tanks, heavy deposits if ink or press cleaning, heavy hydrocarbon deposits on floors, etc.

3:1 or 10:1

Routine equipment and facility maintenance.

20:1 or Higher

Pressure washers/steam cleaners

If product thickens with use, dilute with additional water. In immersion degreasing systems and ultrasonic cleaners, the best results are obtained in a temperature range of 80°F to 105°F. Performance is enhanced by mechanical or bubbler agitation. We suggest that a little experimentation will determine optimum dilution ratios and temperature for your degreasing needs.

Industry Applications

Military

- Aircraft airframe
- Jet and turbine engines
- Weapon systems from small arms tanks, artillery to rocket launchers
- Aircraft carrier flight decks
- Ground transportation equipment
- Assault landing equipment

Utilities

- Parts washer tanks
- Heavy equipment
- In-plant cleanup
- Transmission oil
- Power transformers, safety gear and equipment

Metal Fabrication

- Pre-painting, plating or assembly

Aircraft Maintenance

- Replacing vapor degreasing systems
- Auxiliary power units
- Aircraft airframe
- Landing gear assemblies
- Carbon removal from jet and turbine engines
- Jet fuel nozzles and injectors

Publishing

- Blankets
- Heavy equipment
- Fountain solution trays
- Floors and walls
- Ink rollers

Marine

- Engines
- Bilges
- Decks
- Fiberglass
- Sails

Automotive

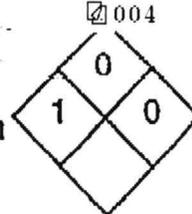
- Engines
- Engine parts
- Carburetors
- Brakes
- Driveways
- Road tar
- White walls
- Vinyl
- Upholstery
- Carpet
- Chrome wheels
- Tools

Electronics

- Photo-Resist
- Circuit Boards

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910-1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)

MIRACHEM 500 CLEANER/DEGREASER

Note: Blank spaces are not permitted. If any item is not applicable, or no
 information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name MIRACHEM CORPORATION	Emergency Telephone Number 1-800-847-3527
Address (Number, Street, City, State, and ZIP Code) 1045 SOUTH EDWARD DRIVE	Telephone Number for Information 602-966-3030
TEMPE, ARIZONA 85281	Date Prepared 9/1/93
MAILING ADDRESS: P.O. BOX 27608 TEMPE, AZ 85285-7608	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
THIS PRODUCT IS A WATER - BASED EMULSION AND IS CONSIDERED NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910-1200). NONE OF THE PRODUCT'S INGREDIENTS ARE FOUND ON ANY LIST OF HAZARDOUS, CARCINOGENIC OR BANNED CHEMICAL AGENTS OR MATERIALS GENERATED BY THEM. AGENCIES SURVEYED INCLUDE THE NATIONAL CANCER INSTITUTE, E.P.A., F.D.A., NATIONAL SCIENCE FOUNDATION, O.S.H.A. (CALIFORNIA AND FEDERAL), CONSUMER PRODUCT SAFETY COMMISSION, DEPARTMENT OF TRANSPORTATION (SAFETY INSTITUTE AND RESEARCH SPECIAL PROGRAMS ADMINISTRATION), AND NATIONAL TOXICOLOGY PROGRAM. THIS PRODUCT HAS A VOC OF 133 GMS/LITER OR 1.11 LBS/GAL. AND IS NOT CONSIDERED PHOTOCHEMICALLY REACTIVE AS DEFINED IN RULE 102 OF THE RULES AND REGULATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PRODUCT CONTAINS NO CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 PART 372 REPORTING REQUIREMENTS.				
TYPICAL pH OF THE PRODUCT IS 8.9 - 9.3				

Section III — Physical/Chemical Characteristics

Boiling Point	210°F	Specific Gravity (H ₂ O = 1) 25°C	.997
Vapor Pressure (mm Hg.) @ 20°C	Composite .006	Melting Point	N/A
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	>1

Solubility in Water

COMPLETE EMULSIFICATION IN FRESH AND SALT WATER

Appearance and Odor

CLEAR TRANSPARENT LIQUID WITH MILD TANGERINE ODOR

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) NONE TO 212°F (PMCC ASTM D93)	Flammable Limits NON-FLAMMABLE	LEL	UEL
AUTO IGNITION POINT - NONE TO 500°F	NON-COMBUSTIBLE	N/A	N/A

Extinguishing Media

N/A

Special Fire Fighting Procedures

N/A

Unusual Fire and Explosion Hazards

N/A

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid	S/S
	Stable		
OXIDIZING AND REDUCING AGENTS			
Incompatibility (Materials to Avoid) STRONG ACIDS AND ALKALIES DEMULSIFY PRODUCT			
Hazardous Decomposition or By-products THERMAL DECOMPOSITION MAY PRODUCE CO ₂			
Hazardous Polymerization	May Occur	Conditions to Avoid	
	Will Not Occur		

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	NON-HAZARDOUS	NON-HAZARDOUS	NON-HAZARDOUS
Health Hazards (Acute and Chronic) ACUTE—NO KNOWN HAZARD. CHRONIC—NOT YET DETERMINED, HOWEVER, NO KNOWN HAZARDS TO DATE			

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
NONE	NO	NONE	NO

Signs and Symptoms of Exposure
NO SIGNS OR SYMPTOMS FROM NORMAL EXPOSURE. PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION
OR DRYNESS TO SENSITIVE SKIN OR MILD EYE IRRITATION IF SPLASHED IN EYE AND NOT RINSED WITH WATER.

Medical Conditions
Generally Aggravated by Exposure NONE KNOWN

Emergency and First Aid Procedures
IF SPLASHED IN EYES, IMMEDIATELY FLUSH WITH WATER AND CONSULT PHYSICIAN IF NEEDED

Section VII — Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled
FLUSH WITH WATER INTO CONTAINING AREA

Waste Disposal Method
FLUSH TO SEWER WHERE APPLICABLE WITHIN FEDERAL, STATE OR LOCAL WASTE DISPOSAL REQUIREMENTS

Precautions to Be Taken in Handling and Storing
USE WITH ADEQUATE VENTILATION. PROTECT FROM FREEZING

Other Precautions
KEEP OUT OF REACH OF CHILDREN

Section VIII — Control Measures

Respiratory Protection (Specific Type) NO SPECIAL REQUIREMENTS. IF PRODUCT IS SPRAYED OR VAPORIZED A NIOSH CERTIFIED SELF-CONTAINED RESPIRATOR IS RECOMMENDED (BUT NOT REQUIRED)

Ventilation	Local Exhaust	Special
	Mechanical (General)	
	NO SPECIAL REQUIREMENT USE WITH ADEQUATE VENTILATION	NONE
	NONE	NONE

Protective Gloves NO SPECIAL REQUIREMENT WATER RINSE FROM SKIN AFTER CONTACT

Eye Protection
AVOID EYE CONTACT WHERE SPLASHING MAY OCCUR

Other Protective Clothing or Equipment
NOT REQUIRED

Work/Hygenic Practices ALTHOUGH NOT REQUIRED, WE RECOMMEND AS GOOD HYGENIC PRACTICE THE USE OF PREVENTIVE MEASURES SUCH AS RUBBER GLOVES FOR SENSITIVE SKIN AND ANTI-SPLASH EYE WEAR WHERE



Myers Petrochemical Inc.

Tel: 704-593-0137
Fax: 704-593-0237

14501 Raynham Dr.
Charlotte, NC 28262

May 9, 1994

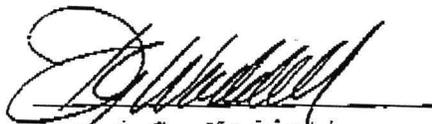
Kyocera Engineered Ceramics
P.O. Box 678
Mountain Home, NC28758

Attention: Mr. Robert W. Fischer, Process Engineer.

**** QUOTATION ****

ITEM	QTY	SIZE	DESCRIPTION	PRICE
A	1	20 Gal	MIRACHEM PW-20 Parts Washer Includes: Circulating pump & wand. Integral heater. Serviceable double filter	\$ 649.00 ea
B	1	55 Gal	MIRACHEM 500 Cleaner/Degreaser	\$ 529.00 ea
C	2	5 Gal	MIRACHEM 500 Cleaner/Degreaser For: Parts washer 30 day test.	\$ 66.00 ea

Delivery: Item A, One week ARC
Item B,C, Ex-stock
F.O.B. : Cleveland Ohio
Payment : Net 30 days


David G. Waddell
Technical Manager



KYOCERA ENGINEERED CERAMICS, INC.
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYOAF

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***** U R G E N T *****

May 3, 1994

TO: Jim Edwards
Linda Mann
CC: Linda Culpepper
Spring Allen

FROM: Nancy Montgomery *NM*
Kyocera Industrial Ceramics Corp.

SUBJECT: Notice of Violation
Docket #94-188

Per my conversation yesterday 4/2/94 with Linda Culpepper I would like to confirm the following:

1. Is Kyocera Engineered Ceramics now reclassified as a small generator of hazardous waste? (See enclosure 1)

If so, please send us a letter by fax today confirming the reclassification.
2. Enclosed is the 4-19-94 Notice of Violation letter received from Jerome Rhodes. If KECI is reclassified now to a small generator which items need to be complied in accordance with being a small generator? Please indicate by putting an X in front of each item on pages 7 and 8 of the enclosed letter.

We want to be in complete compliance with the State, therefore we need to have the above matters resolved quickly.

Effective 4-18-94 a merger took place and Kyocera Engineered Ceramics, Inc. is now called Kyocera Industrial Ceramics Corporation. Please note this change on the reclassification letter and all future correspondence.

Thank you for your attention to these matters. Our fax number is (704) 692-1340.

Enclosures:

1. Letter to Carol Walker requesting reclassification, 4/7/94
2. Letter from Jerome Rhodes, 4/19/94



Certified Mail No. P267 333 248
Return Receipt Requested

KYOCERA ENGINEERED CERAMICS, INC
100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758
704/693-0241: General
704/693-8244: Sales
704/692-1340: Fax
TLX (ITT) 4971474 KYOAFK

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April 7, 1994

Ms. Carol Walker
EPA
Hazardous Waste Section
P. O. Box 27687
Raleigh, NC 27622-7687

RE: Notification of Regulated Waste Activity

Dear Ms. Walker:

Please review the enclosed form and change our status from large to small generator as Safety Kleen is less than 2200 lbs./month (see attached manifest log). We exceeded 2200 lbs. only one month in 1993 due to a plant-wide chemical clean-up campaign. We don't anticipate exceeding 2200 lbs./month in 1994.

Please advise if there is anything else that we can help you with.

Sincerely,

Jerry Fortenberry

JF:nm

Enclosures:

- Notification of Regulated Waste Activity Form
- Hazardous Waste Manifest Log

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved OMB No. 2050-0028 Expires 6-30-92 GSA No. 0246-EPA-07

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only)

3/3

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

A. First Notification B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number

NC0981471469

II. Name of Installation (include company and specific site name)

KYOCERA ENGINEERED CERAMICS

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

100 INDUSTRIAL PARK RD

Street (continued)

City or Town

State ZIP Code

MOUNTAIN HOME

NC 28758 -

County Code

County Name

HENDERSON

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

PO BOX 678

City or Town

State ZIP Code

MOUNTAIN HOME

NC 28758 -

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

(first)

FORTENBERG

JERRY

Job Title

Phone Number (area code and number)

SUPERVISOR

704-693-0241

VI. Installation Contact Address (See instructions)

A. Contact Address Location Mailing

B. Street or P.O. Box

City or Town

State ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

KYOCERA INTERNATIONAL INC

Street, P.O. Box, or Route Number

8611 BALBOA AVE

City or Town

State ZIP Code

SAN DIEGO

CA 92123-1580

Phone Number (area code and number)

B. Land Type

C. Owner Type

D. Change of Owner Indicator

(Date Changed) Month Day Year

619-576-2600

P

P

Yes No

Month Day Year

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only.

SIC CODE NUMBER

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

B. Used Oil Fuel Activities

- 1. Generator (See instructions)
 - a. Greater than 1000kg/mo (2,200 lbs.)
 - b. 100 to 1000 kg/mo (220 - 2,200 lbs.)
 - c. Less than 100 kg/mo (220 lbs.)
- 2. Transporter (Indicate Mode in boxes 1-5 below)
 - a. For own waste only
 - b. For commercial purposes
- Mode of Transportation
 - 1. Air
 - 2. Rail
 - 3. Highway
 - 4. Water
 - 5. Other - specify
- 3. Treater, Store, Disposal Installation (Note: A permit is required for this activity; see instructions)
- 4. Hazardous Waste Fuel
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Boiler and/or Industrial Furnace
- Indicate Type of Combustion Device(s)
 - 1. Smelter/Referral
 - 2. Small Quantity Exemption
 - 3. Utility Boiler
 - 4. Industrial Boiler
 - 5. Industrial Furnace
- 5. Underground Injection Control

- 1. Off-Specification Used Oil Fuel
 - a. Generator Marketing to Burner
 - b. Other Marketer
 - c. Burner - indicate device(s) - Type of Combustion Device
 - 1. Utility Boiler
 - 2. Industrial Boiler
 - 3. Industrial Furnace
- 2. Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification

SAFETY KLEEN TRANSPORTS

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic (D004)	(List specific EPA hazardous waste number(s) for the toxicity characteristic characteristic)																
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)

1 D001	2 D018	3 D039	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State other wastes requiring a handler to have an I.D. number. See instructions.)

1	2	3	4	5	6
---	---	---	---	---	---

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature <i>[Signature]</i>	Name and Official Title (type or print)	Date Signed
---------------------------------	---	-------------

XI. Comments

PLEASE SEE ATTACHMENT AND LETTER

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

State of North Carolina
 Department of Environment,
 Health and Natural Resources
 Division of Solid Waste Management

James B. Hunt, Jr., Governor
 Jonathan B. Howes, Secretary
 William L. Meyer, Director



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April 19, 1994

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF VIOLATION
 Docket # 94-188

Mr. Jerry Fortenberry
 Kyocera Engineered Ceramics, Inc.
 100 Industrial Park Rd.
 Post Office Box 678
 Mountain Home, North Carolina 28758

NCD 981 471 469

Dear Mr. Fortenberry:

On December 18, 1980, the State of North Carolina, Hazardous Waste Section (Section) was authorized to operate the State Resource Conservation Recovery Act (RCRA) Hazardous Waste Program under the Solid Waste Management Act (Act), North Carolina General Statute 130A, Article 9 and rules promulgated thereto at 15A NCAC 13A (Rules) in lieu of the federal RCRA program. Kyocera Engineered Ceramics, Inc. of Mountain Home, North Carolina is classified as a generator of hazardous waste and is subject to the requirements of 40 CFR 262, codified at 15A NCAC 13A .0007, and 40 CFR 268, codified at 15A NCAC 13A .0012.

On March 17 and 18, 1994, Ms. Spring Allen, Waste Management Specialist with this office, inspected your facility for compliance with North Carolina Hazardous Waste Management Rules. During that inspection, the following violations were noted:

- A. 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided the waste is placed in containers and the generator complies with Subpart I of 40 CFR Part 265.
1. 40 CFR 265.173(a), codified at 15A NCAC 13A .0010, states that a container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 2

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.173(a), codified at 15A NCAC 13A .0010, in that it failed to keep closed containers holding hazardous waste while in storage.

2. 40 CFR 265.174, codified at 15A NCAC 13A .0010, states that the owner or operator must inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(1)(ii), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.174, codified at 15A NCAC 13A .0010, in that it failed to conduct weekly inspections of hazardous waste storage areas as required.

NOTE: 15A NCAC 13A .0010(i) further states that, additionally, the owner or operator shall keep records and results of required inspections for at least three years from the date of the inspection.

- B. 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, in that it failed to mark containers holding hazardous waste with an accumulation start date.

- C. 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that while being accumulated on-site, each container and tank is labeled or marked clearly with the word, "Hazardous Waste".

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 3

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, in that it failed to mark containers holding hazardous waste with the words "Hazardous Waste" to identify the contents.

- D. 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the generator complies with the requirements for owners or operators in Subparts C and D in 40 CFR Part 265, with Section 265.16, and with 40 CFR 268.7(a)(4).

1. 40 CFR 265.16(a), codified at 15A NCAC 13A .0010 states that:

- (1) Facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this part. The owner or operator must ensure that this program includes all the elements described in the document required under paragraph (d)(3) of this section.
- (2) This program must be directed by a person trained in hazardous waste management procedures, and must include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed.
- (3) At a minimum, the training program must be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including where applicable:
 - (i) Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment;
 - (ii) Key parameters for automatic waste feed cut-off systems;
 - (iii) Communications or alarm systems;
 - (iv) Response to fires or explosions;
 - (v) Response to groundwater contamination incidents;

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 4

- and
(vi) Shutdown of operations.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(a), codified at 15A NCAC 13A .0010, in that it failed to provide required training to personnel with hazardous waste management duties.

2. 40 CFR 265.16(d)(1), codified at 15A NCAC 13A .0010, states that the owner or operator must maintain the following documents and records at the facility: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(d)(1), codified at 15A NCAC 13A .0010, in that it failed to provide a job title for personnel with hazardous waste management duties.

3. 40 CFR 265.16(d)(2), codified at 15A NCAC 13A .0010, states that the owner or operator must maintain the following documents and records at the facility: a written job description for each position listed under paragraph (d)(1) of this section. This description may be consistent in its degree of specificity with descriptions for other similar positions in the same company location or bargaining unit, but must include the requisite skill, education, or other qualifications, and duties of facility personnel assigned to each position.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(d)(2), codified at 15A NCAC 13A .0010, in that it failed to provide required job descriptions for personnel with hazardous waste management duties.

4. 40 CFR 265.16(d)(3), codified at 15A NCAC 13A .0010, states that the owner or operator must maintain the following documents and records at the facility: a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under paragraph (d)(1) of this section.

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 5

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.16(d)(3), codified at 15A NCAC 13A .0010, in that it failed to provide written description of required training for personnel with hazardous waste management duties.

5. 40 CFR 265.31, codified at 15A NCAC 13A .0010, states that facilities must be maintained and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.31, codified at 15A NCAC 13A .0010, in that it failed to maintain the facility in a manner which would prevent a release of hazardous waste. Specifically, in the lapping area in the hazardous waste storage and parts washing areas there is evidence of a release of D001/D039/D019 waste petroleum naphtha on the floor.

6. 40 CFR 265.52(c), codified at 15A NCAC 13A .0010, states that the plan (contingency plan) must describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services, pursuant to Section 265.37.

Note 40 CFR 265.37 states that:

- (a) The Owner or operator must attempt to make the following arrangements, as appropriate for the type of waste handled at his facility and the potential need for the services to these organizations:
- (1) Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes;

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 6

- (2) Where more than one police and fire department might respond to an emergency, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority;
- (3) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and
- (4) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

(b) Where State or local authorities decline to enter into such arrangements, the owner or operator must document the refusal in the operating record.

Kyocera Engineered Ceramics Inc. is in violation of 40 CFR 262.34(a)(4), Codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.52(c), codified at 15A NCAC 13A .0010, in that it failed to describe arrangements with emergency responders in the facility contingency plan pursuant to 40 CFR 265.37.

7. 40 CFR 265.52(d), codified at 15A NCAC 13A .0010, states that the plan must list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator (see Section 265.55), and this list must be kept up to date. Where more than one person is listed, one must be named as primary emergency coordinator and others must be listed in the order in which they will assume responsibility as alternates.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.52(d), codified at 15A NCAC 13A .0010, in that it failed to provide names, addresses, and phone numbers for emergency coordinators in the facility's contingency plan.

8. 40 CFR 265.52(e), codified at 15A NCAC 13A .0010, states that the plan must include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment,

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 7

communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list must be kept up to date. In addition, the plan must include the location and a physical description of each item on the list, and a brief outline of its capabilities.

Kyocera Engineered Ceramics, Inc. is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, and referenced at 40 CFR 265.52(3), codified at 15A NCAC 13A .0010, in that it failed to provide a list of emergency equipment along with its capabilities and location in the facility's contingency plan.

COMPLIANCE SCHEDULE

By May 19, 1994, you shall comply with the following requirements:

- A. Comply with 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A .0007, specifically by:
 - (1) Ensuring that containers holding hazardous waste are kept closed unless adding or removing waste as required by 40 CFR 265.173(a).
 - (2) Ensuring that required inspections are conducted and records of inspections are kept as required by 40 CFR 265.174 and 15A NCAC 13A .0010(i).
- B. Comply with 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, by ensuring that containers holding hazardous waste are marked with an accumulation start date.
- C. Comply with 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, by ensuring that the containers holding hazardous waste are marked with the words "hazardous waste" to identify their contents.
- D. Comply with 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, specifically by:
 - (1) Ensuring that facility personnel with hazardous waste management duties receive training as required by 40 CFR 265.16(a).
 - (2) Ensuring that a job title for personnel with hazardous waste management duties is provided as required by 40 CFR 265.16(d)(1).

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 8

- (3) Ensuring that a job description for personnel with hazardous waste management duties is provided as required by 40 CFR 265.16(d)(2).
- (4) Ensuring that a description of both the continuing and initial training required for personnel with hazardous waste management duties is provided as required by 40 CFR 265.16(d)(3).
- (5) Ensuring that measures are taken to prevent the release of hazardous waste. Specifically ensure that the lapping area release is cleaned up and that current practices of allowing trays to drop onto the floor are stopped to prevent on going releases.
- (6) Ensuring that the contingency plan is amended to describe arrangements with emergency responders pursuant to 40 CFR 265.37 as required by 40 CFR 265.52(c).
- (7) Ensuring that the contingency plan is amended to include names, addresses, and phone numbers for emergency coordinators as required by 40 CFR 265.52(d).
- (8) Ensuring that the contingency plan is amended to include a list of emergency equipment with a brief description of its capabilities, and location as required by 40 CFR 265.52(e).

Note: Additionally 40 CFR 265.52 states that a copy of the contingency plan and all revisions to the plan must be:

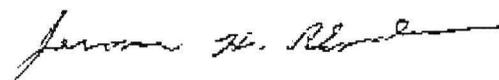
- (a) Maintained at the facility; and
- (b) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

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Kyocera Engineered Ceramics, Inc.
April 19, 1994
Page 9

If the requirements above are not met, pursuant to N. C. General Statutes 130A-22(a) and 15A NCAC 13A .0701-.0707, an administrative penalty of up to \$25,000 per day may be assessed for violation of the hazardous waste law or regulations.

Sincerely,



Jerome H. Rhodes, Chief
Hazardous Waste Section

JHR/jsp/Kyocera

cc: Keith Masters
Spring Allen
Nann Guthrie
Central Files



100 Industrial Park Road
P.O. Box 678
Mountain Home, NC 28758-0678
(704) 693-0241 : General
(704) 693-8244 : Industrial Sales
(704) 693-6596 : Cutting Tool Sales
(704) 692-1340 : Fax

FACSIMILE COVER SHEET

TO: Spring Allen
Company: JEPA
Phone: _____
Fax: 704-251-6452
Date: 4/29/94

FROM: Tim Riddle
Department: Purchasing
Phone: _____
Pages Including Cover Page: 3

MESSAGE / COMMENTS: Following is MSDS on proposed replacement for Safety Kleen. Please let us know if it looks acceptable.

Thals

TR

5/11/94 11:38 - TC message left

Reviewed 5/11/94
OK but some concern w/ P# 4. More concentrated than 19.
Also Chen distman says P# 12.5

MATERIAL SAFETY DATA SHEET CLAM™ CLEANING COMPOUND

PAGE 2

Section VI--Health Hazard Data

Route(s) of Entry:

Inhalation: Yes Skin: No Ingestion: Unlikely

Health Hazards (Acute & Chronic): Inhalation of dust or spray mist will irritate mucous membranes. Irritating on skin. Will cause Eye damage. Moderately toxic by ingestion.

Carcinogenicity: NTP: No IARC Monographs: No

OSHA regulated: No

Signs & Symptoms of Exposure: Painful burns on skin or in eyes.

Medical Conditions generally aggravated by exposure: None known

*******Emergency and First Aid Procedures*******

Skin Contact: Wash with water, get medical attention if irritation persists.

Eye Contact: Flush with plenty of water for 15 minutes, get medical attention.

Ingestion: Drink large quantities of water followed by fruit juice or diluted vinegar. Do not induce vomiting.

Section VII Precautions for Safe Handling and Use

Spill Steps: Recover spilled material for use. Neutralize residues with diluted acid. Flush to sewer.

Waste Disposal Method: Landfill in accordance with local, state, and federal regulations.

Storage & Handling: Store in a cool, dry area. Keep container closed when not in use. Keep out of reach of children.

Section VIII--Control Measures

Respiratory Protection: None required with adequate ventilation

Ventilation: Local Exhaust: Adequate

Special: N/A

Mechanical: N/A

Other: N/A

Protective Gloves: Rubber

Eye Protection: Glasses

Other protective Equip/clothing: Impervious boots & clothing as required to prevent physical contact.

Work/Hygenic Practices: Keep container closed when not in use.

We believe all information given is accurate. It is offered in good faith, but without guarantee. Since conditions are beyond our control, user assumes all responsibility and risk.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



April 26, 1994

KYOCERA ENGINEERED CERAMICS
PO BOX 678
MOUNTAIN HOME NC 28758

RE: EPA ID No.: NCD981471469

Dear Sir:

Based on information received by this office for the site identified with the above EPA ID number, the State has accepted and processed the change in RCRA classification or information for the above listed site.

Your EPA ID number is active.

Current computer record of your facility contains following information:

(X Indicates Operational Status of Your Facility)

- | | |
|-------------------|-------------------------|
| - LARGE GENERATOR | X SMALL QNTY. GENERATOR |
| - TRANSPORTER | - TREATER |
| - STORER | - DISPOSER |

Company Name:	KYOCERA ENGINEERED CERAMICS	
Owner:	KYOCERA INTERNATIONAL INC	
Owner Address:	8611 BALBOA AVE	
City, St.& ZIP:	SAN DIEGO	CA 92123
Contact:	FORTENBERRY	JERRY
Phone Number:	(704)693-0241	
Location Addr.:	100 INDUSTRIAL PARK ROAD	
City, St.& ZIP:	MOUNTAIN HOME	NC 28758

Please verify the above computer information. Please notify us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status, namely Company's Name, Ownership, Address, Contact, or Telephone.
Your EPA ID number is currently active.

Sincerely,

R.J. Edwards, Administrative Officer
Division of Solid Waste Management

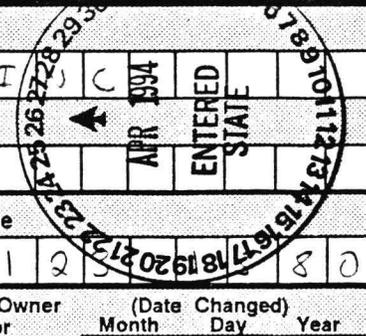
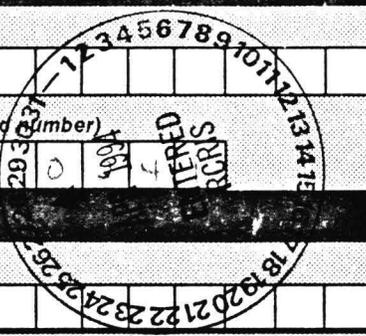
P.O. Box 27687, Raleigh, North Carolina 27611-7687
An Equal Opportunity Affirmative Action Employer

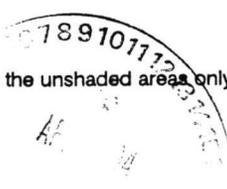
Telephone 919-799-4996 FAX 919-715-3605
50% recycled/ 10% post-consumer paper

CC: SPRING ALLEN

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).	<h2 style="margin: 0;">Notification of Regulated Waste Activity</h2> <p>United States Environmental Protection Agency</p>	Date Received (For Official Use Only) <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 5px auto;"> APR 1994 </div>
I. Installation's EPA ID Number (Mark 'X' in the appropriate box)		
<input type="checkbox"/> A. First Notification	<input checked="" type="checkbox"/> B. Subsequent Notification (complete item C)	C. Installation's EPA ID Number N C D 9 8 1 4 7 7 4 6 9
II. Name of Installation (Include company and specific site name)		
K Y D C E R A I N T E R N A T I O N A L C H E M I C A L S		
III. Location of Installation (Physical address not P.O. Box or Route Number)		
Street		
1 0 0 I N D U S T R I A L P A R K R D		
Street (continued)		
City or Town		State ZIP Code
M O U N T A I N H O M E		N C 2 8 7 5 8 -
County Code	County Name	
	H E N D E R S O N	
IV. Installation Mailing Address (See instructions)		
Street or P.O. Box		
P O B O X 6 7 3		
City or Town		State ZIP Code
M O U N T A I N H O M E		N C 2 8 7 5 8 -
V. Installation Contact (Person to be contacted regarding waste activities at site)		
Name (last)		(first)
F O R T E N B E R K Y		J E R R Y
Job Title		Phone Number (area code and number)
S U P E R V I S O R		7 0 4 - 6 9 3 0 4 0 0 4
VI. Installation Contact Address (See instructions)		
A. Contact Address Location	Mailing	B. Street or P.O. Box
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
City or Town		State ZIP Code
VII. Ownership (See instructions)		
A. Name of Installation's Legal Owner		
K Y D C E R A I N T E R N A T I O N A L I N C		
Street, P.O. Box, or Route Number		
8 6 1 1 B A L B O A A V E		
City or Town		State ZIP Code
S A N D I E G O		C A 9 2 1 2
Phone Number (area code and number)		B. Land Type C. Owner Type D. Change of Owner Indicator (Date Changed)
6 1 9 - 5 7 6 - 2 6 0 0		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>





SIC CODE NUMBER _____

ID - For Official Use Only											

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions.)

A. Hazardous Waste Activity		B. Used Oil Fuel Activities
<p>1. Generator (See Instructions)</p> <p><input checked="" type="checkbox"/> a. Greater than 1000kg/mo (2,200 lbs.)</p> <p><input checked="" type="checkbox"/> b. 100 to 1000 kg/mo (220 - 2,200 lbs.)</p> <p><input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.)</p> <p>2. Transporter (Indicate Mode in boxes 1-5 below)</p> <p><input type="checkbox"/> a. For own waste only</p> <p><input type="checkbox"/> b. For commercial purposes</p> <p>Mode of Transportation</p> <p><input type="checkbox"/> 1. Air</p> <p><input type="checkbox"/> 2. Rail</p> <p><input type="checkbox"/> 3. Highway</p> <p><input type="checkbox"/> 4. Water</p> <p><input type="checkbox"/> 5. Other - specify</p> <p><input type="checkbox"/> SAFETY KLEFF/TXN/PORTS</p>	<p><input type="checkbox"/> 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions.</p> <p>4. Hazardous Waste Fuel</p> <p><input type="checkbox"/> a. Generator Marketing to Burner</p> <p><input type="checkbox"/> b. Other Marketers</p> <p><input type="checkbox"/> c. Boiler and/or Industrial Furnace</p> <p><input type="checkbox"/> 1. Smelter Deferral</p> <p><input type="checkbox"/> 2. Small Quantity Exemption</p> <p>Indicate Type of Combustion Device(s)</p> <p><input type="checkbox"/> 1. Utility Boiler</p> <p><input type="checkbox"/> 2. Industrial Boiler</p> <p><input type="checkbox"/> 3. Industrial Furnace</p> <p><input type="checkbox"/> 5. Underground Injection Control</p>	<p>1. Off-Specification Used Oil Fuel</p> <p><input checked="" type="checkbox"/> a. Generator Marketing to Burner</p> <p><input type="checkbox"/> b. Other Marketer</p> <p><input type="checkbox"/> c. Burner - indicate device(s) - Type of Combustion Device</p> <p><input type="checkbox"/> 1. Utility Boiler</p> <p><input type="checkbox"/> 2. Industrial Boiler</p> <p><input type="checkbox"/> 3. Industrial Furnace</p> <p><input type="checkbox"/> 2. Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification</p>

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic (D000)	(List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s))			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)

1 D001	2 D018	3 D039	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number. See instructions.)

1	2	3	4	5	6
---	---	---	---	---	---

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature <i>[Handwritten Signature]</i>	Name and Official Title (type or print)	Date Signed
---	---	-------------

XI. Comments

PLEASE SEE ATTACHMENT AND LETTER

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

To: Spring Allen

From: Jerry Fortbrun

Spring,

Will you fax me a blank form so I can reapply for a low generator? Also I need info on the Haz Waste class in May.

We haven't received any. If we become a low level generator again (1) will weekly inspections be required (2) do we still have to train personnel in handling?

I have several more questions. Will contact you early next week. I can be most easily contacted by

fax 692-1340 (704)

Thanks
Jerry

DATA ENTRY PERSONNEL
 Submitted by: _____ Date: _____
 Entered by: _____ Date: _____

EPA ID: **NC0981471469**

Facility Name: **KNOX CERA ENGINEERED CERAMICS** City: **Mountain Home**

EVALUATION DATA: New: Change: Delete: (: Required)

Agency: **S** Date: **Mo. 13 / Day 18 / Year 94** Type: **CEI** Control Number Data Entry Personnel: _____
 Person: **0611** BRANCH **011** REASON **11**

Coverage Areas: (E: Evaluated NE: Not Evaluated NA: Not Applic. D: Del.)

Generators GBF GER GGR GLB GMR GOR GPT GRR GSC GSO	Transporters TGR TMR TOR TRR TWD	USED OIL TUO TFO BUO MUO PUO RUO	TSD's DBF DCH DCL DCP DFR DGS DGW DIN	DLB DLF DLT DMC DMR DOR DOT	DPB DPP DSI DTR DTT DWP
---	--	---	--	---	--

COMPLIANCE SCHEDULE (TSD, GEN, TRANS.)
 FEA CAS

Evaluation Comments: (72) 1: _____
 2: _____

Not drafted - written 12/18/94

VIOLATION DATA: New: Change: Delete:

#1 Agency: **S** Type: **APIT** Date (mdy) Determined: **03 / 18 / 94** Class:
 Priority: Branch: **011** Person: **0611** Seq. Number (Data Entry): _____
 Return to Compliance: Scheduled Actual
 Reg. Type: **SIR** Reg. Description (30): **26.34 (a)(1)(ii) / 26.34(a)**
 Comment (72): **open containers**

#2 Agency: **S** Type: **APIT** Date (mdy) Determined: **03 / 18 / 94** Class:
 Priority: Branch: **011** Person: **0611** Seq. Number (Data Entry): _____
 Return to Compliance: Scheduled Actual
 Reg. Type: **SIR** Reg. Description (30): **26.34 (a)(1)(ii) / 26.34(a)**
 Comment (72): **weekly inspections**

#3 Agency: **S** Type: **APIT** Date (mdy) Determined: **03 / 18 / 94** Class:
 Priority: Branch: **011** Person: **0611** Seq. Number (Data Entry): _____
 Return to Compliance: Scheduled Actual
 Reg. Type: **SIR** Reg. Description (30): **26.34 (a)(2)**
 Comment (72): **accumulation ductwork**

Continue violation data if necessary -

Herndon
Co

DAT ENTRY PERSONNEL

Region IV CM&E Form - Side B

Submitted by: _____ Date: _____

EPA ID: MC0981471969

Entered by: _____ Date: _____

Facility Name: KYCCERA Engineering Chemicals City: Mountain Home

ENFORCEMENT DATA: New: Change: Delete: (: Required)

Agency: S Type: 120 Date: 09/19/94 Number (Data Entry)

--	--	--	--	--	--	--	--	--	--

Person: 0611 Branch: 011 Comment (72): Now drafted written ticket # 94 - 188

Penalty Data Assessed: \$

--	--	--	--	--	--	--	--	--	--

 Paid: \$

--	--	--	--	--	--	--	--	--	--

 Date Paid:

--	--	--	--	--	--	--	--	--	--

Settled: \$

--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--

Enforcement

Comments: 1: _____
(74)

2: _____

Cite violations for this enforcement action below -

VIOLATION DATA: New: Change: Delete:

#4 Agency: S Type: 6PIT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

--	--	--	--	--	--	--	--	--	--

Return to Compliance: Scheduled Actual

Reg. Type: SR Reg. Description (30): 262.34(a)(3) MARCH
Comment (72): not on containers

#5 Agency: S Type: 6PIT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

--	--	--	--	--	--	--	--	--	--

Return to Compliance: Scheduled Actual

Reg. Type: SR Reg. Description (30): 262.34(a)(4)
Comment (72): 265.16(a) no HW training

#6 Agency: S Type: 6PIT Date (mdy) Determined: 03/18/94 Class:

Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry)

--	--	--	--	--	--	--	--	--	--

Return to Compliance: Scheduled Actual

Reg. Type: SR Reg. Description (30): 262.34/265.16(d)(1)
Comment (72): No Job titles

Continue violation data if necessary -

Fredrickson Co.

Region IV CM&E Form - Side C
 Submitted by: _____ Date: _____
 EPA ID: NC0981471469
 Entered by: _____ Date: _____

Facility Name: KYCCERA Environmental Services City: Monroe, LA

VIOLATION DATA: New: 0 Change: _____ Delete: _____

#7 Agency: S Type: 6PIT Date (mdy): 03/18/94 Class:
 Determined: _____
 Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry):
 Return to Compliance: Scheduled Actual
 Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.52(d)
 Comment (72): Name address ph. for coordinators

#8 Agency: S Type: 6PIT Date (mdy): 03/18/94 Class:
 Determined: _____
 Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry):
 Return to Compliance: Scheduled Actual
 Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.52(a)
 Comment (72): List of equipment

#9 Agency: S Type: 6PIT Date (mdy): 03/18/94 Class:
 Determined: _____
 Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry):
 Return to Compliance: Scheduled Actual
 Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.16(d)(2)
 Comment (72): Job description

#10 Agency: S Type: 6PIT Date (mdy): 03/18/94 Class:
 Determined: _____
 Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry):
 Return to Compliance: Scheduled Actual
 Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.16(d)(3)
 Comment (72): Trainer description

#11 Agency: S Type: 6PIT Date (mdy): 03/18/94 Class:
 Determined: _____
 Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry):
 Return to Compliance: Scheduled Actual
 Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.31
 Comment (72): operations - release in storage area

#12 Agency: S Type: 6PIT Date (mdy): 03/18/94 Class:
 Determined: _____
 Priority: Branch: 011 Person: 0611 Seq. Number (Data Entry):
 Return to Compliance: Scheduled Actual
 Reg. Type: SIR Reg. Description (30): 262.34(a)(4) 265.52(c)
 Comment (72): describe arrangement

RCRA INSPECTION REPORT

1) Facility Name: Kyocera Engineered Ceramics Inc
ID Number: NCD 981471469
Type of facility: Generator
Ownership: Kyocera International, Inc.
Contact: Jerry Fortenberry
Phone Number: 704 693 0341
Facility Location (address): 100 Industrial Park Rd
City, State, Zip: P.O. Box 678, Mountain Home, NC 28757

2) Survey Participants:
Jerry Fortenberry / Nancy Montgomery / Mike Ashford
Dick Mashburn / Shirlee Cairns / Ken Jensen / Normale

3) Date of Inspection: Feb 17, 1994 and March 18, 1994

4) Purpose of Inspection: CEI

5) Facility Description: manufacturing ceramic parts for the textile industry
Processes: dry press of green ceramic parts / injection molding of green ceramic parts / ceramic formulation / kiln firing / lapping / inspection

Type Waste:
D001 / D018 / D039 Waste Petroleum Naptha

Transporters:
Safety Kleen
TSD's:
Safety Kleen

Accumulation areas:
Parts washers are changed out by facility personnel in the lapping area. Raw product Storage areas: parts washer fluid and waste parts washer fluid are stored together in this area. Waste drums are open and without dates or the words Hazardous Waste for identification there is evidence of release from the trays to the floor surrounding this area.

6) Waste Minimization: current investigation of alternative to Safety Clean

7) Site Deficiencies:

- 262.34(a)(1)(i) / 265.173(a) containers holding hazardous waste were open during the inspection
- 262.34(a)(1)(i) / 265.174 required weekly inspections have not been conducted
- 262.34(a)(2) containers holding hazardous waste were not marked with an accumulation start date
- 262.34(a)(3) containers holding hazardous waste were not marked with the words "hazardous waste" to identify the contents
- 262.34(a)(4) / 265.16(a) facility personnel have not been trained in hazardous waste management
- 262.34(a)(4) / 265.16(d)(1) a job title for hazardous waste personnel has not been provided.
- 262.34(a)(4) / 265.16(d)(2) a job description for hazardous waste personnel has not been provided
- 262.34(a)(4) / 265.16(d)(3) a description for required training for hazardous waste personnel has not been provided
- 262.34(a)(4) / 265.31 a release of hazardous waste has occurred in the Lapping / Hot Storage area.
- 262.34(a)(4) / 265.52(c) arrangements with emergency responders have not been described pursuant to 265.37
- 262.34(a)(4) / 265.52(d) names / addresses / phone numbers of emergency coordinators is not in the contingency plan
- 262.34(a)(4) / 265.52(e) a list of emergency equipment is not in the contingency plan.

Signed:


Inspector/Reviewer
Date: March 18, 1994


Facility Contact



State of North Carolina
 Department of Environment, Health, and Natural Resources
 Division of Solid Waste Management
 P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
 William W. Cobey, Jr., Secretary

William L. Meyer
 Director

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF VIOLATION
Docket #

Mr. Jerry Fortenberry
 Kyocera Engineered Ceramics, Inc.
 100 Industrial Park Rd.
 P.O. Box 678
 Mountain Home, N.C. 28758
 NCD 981 471 4169

Dear Mr. Fortenberry

On December 18, 1980, the State of North Carolina, Hazardous Waste Section (State) was authorized to operate the State RCRA hazardous waste program under the Solid Waste Management Act (Act), N.C.G.S. 130A, Article 9 and rules promulgated thereto at 15A NCAC 13A, (Rules) in lieu of the federal RCRA program. *Kyocera Engineered Ceramics, Inc.*, Mountain Home, North Carolina is classified as a generator of hazardous waste and is subject to the requirements of 40 CFR 262 codified at 15A NCAC 13A .0007.

On *March 17 and 18, 1994*, *Ms. Spraggallen*, Waste Management Specialist with this office inspected your facility for compliance with North Carolina Hazardous Waste Management Rules. During that inspection the following violations were noted:

(2/12) Kyocera

A
40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A.0007
states that

... a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that:

(1) The waste is placed in:

(i) containers and the generator complies with Subpart I of 40 CFR Part 265;

1 40 CFR 265.173(a), codified at 15A NCAC 13A.0010 states that

A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.

Kyocera Engineered Ceramics Inc is in violation of 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A.0007, and referenced at 40 CFR 265.173(a) in that it failed to keep closed containers holding hazardous waste while in storage.

2 40 CFR 265.174, codified at 15A NCAC 13A.0010 states that.

The owner or operator must inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors.

Kyocera Engineered Ceramics Inc is in violation of 40 CFR 262.34(a)(1)(i), codified at 15A NCAC 13A.0007 and referenced at 40 CFR 265.174, codified at 15A NCAC 13A.0010 in that it failed to conduct weekly inspections

3/12 Kyocera

of hazardous waste storage areas as required.

NOTE 15ANCAC 13A.0010 (L) further states that,

..... Additionally, the owner or operator shall keep records and results of required inspections for at least three years from the date of the inspection.

B 40CFR 262.34(a)(2), codified at 15ANCAC 13A.0007 states that,

....., a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that:

The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

Kyocera Engineered Ceramics Inc. is in violation of 40CFR 262.34(a)(2), codified at 15ANCAC 13A.0007 in that it failed to mark containers holding hazardous waste with an accumulation start date.

C 40CFR 262.34(a)(3), codified at 15ANCAC 13A.0007 states that

..... a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that:

While being accumulated on-site, each container and tank is labeled or marked clearly with the words, "Hazardous Waste"; and

Kyocera Engineered Ceramics Inc. is in violation of 40CFR 262.34(a)(3), codified at 15ANCAC 13A.0007 in that it failed to mark containers holding hazardous waste with the words "Hazardous Waste" to identify the contents.

4/12

Kyocera

D ^{40CFR} 262.34(a)(4), amended at BANCHA 13A.0001
states that

..., a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that:

The generator complies with the requirements for owners or operators in Subparts C and D in 40 CFR Part 265, with Section 265.16, and with 40 CFR 268.7(a)(4).

1 ^{40CFR} ~~265.110(a)~~ 265.110(a) Code amended at 13A NCHA 13A.0010
states that

- (1) Facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this part. The owner or operator must ensure that this program includes all the elements described in the document required under paragraph (d)(3) of this section.
- (2) This program must be directed by a person trained in hazardous waste management procedures, and must include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed.
- (3) At a minimum, the training program must be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including where applicable:
 - (i) Procedures for using, inspecting, repairing, and replacing facility emergency monitoring equipment;
 - (ii) Key parameters for automatic waste feed cut-off systems;
 - (iii) Communications or alarm systems;
 - (iv) Response to fires or explosions;
 - (v) Response to groundwater contamination incidents; and
 - (vi) Shutdown of operations.

5/12

Kyocera

Kyocera Engineered Ceramics Inc is in violation of 40CFR 262.34(a)(4), codified at 5ANACAC13A.0007, and referenced at 40CFR 265.16(a), codified at 5ANACAC13A.0010 in that it failed to provide required training to personnel with hazardous waste management duties.

2 40CFR 265.16(d)(1), codified at 5ANACAC13A.0010 states that

The owner or operator must maintain the following documents and records at the facility:

The job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job;

Kyocera Engineered Ceramics Inc is in violation of 40CFR 262.34(e)(4), codified at 5ANACAC13A.0007, and referenced at 40CFR 265.16(d)(1), codified at 5ANACAC13A.0010 in that it failed to provide a job title for personnel with hazardous waste management duties.

3 40CFR 265.16(d)(2), codified at 5ANACAC13A.0010 states that

The owner or operator must maintain the following documents and records at the facility:

A written job description for each position listed under paragraph (d)(1) of this section. This description may be consistent in its degree of specificity with descriptions for other similar positions in the same company location or bargaining unit, but must include the requisite skill, education, or other qualifications, and duties of facility personnel assigned to each position;

6 of 12

Kyocera

Kyocera Engineered Ceramics, Inc. is in violation of 40CFR 262.34(a)(4), codified at 15A NCAC 13A.0007, and referenced at 40CFR 265.16(d)(2), codified at 15A NCAC 13A.0010. in that it failed to provide the required job descriptions for personnel with hazardous waste management duties.

(D) 4.4 40CFR 265.16(d)(3), codified at 15A NCAC 13A.0010 states that

The owner or operator must maintain the following documents and records at the facility:

A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under paragraph (d)(1) of this section;

1. Kyocera Engineered Ceramics, Inc. is in violation of 40CFR 262.34(a)(4), codified at 15A NCAC 13A.0007, and referenced at 40CFR 265.16(d)(3), codified at 15A NCAC 13A.0010 in that it failed to provide written description of required training for personnel with hazardous waste management duties.

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a

Kyocera

5 40CFR 265.31, codified at ISANACIBA.0010 states that

Facilities must be maintained and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Kyocera Engineered Ceramics, Inc. is in violation of 40CFR 262.34(a)(4), codified at ISANACIBA.0007, and referenced at 40CFR 265.31, codified at ISANACIBA.0010 in that it failed to maintain the facility in a manner which would prevent a release of hazardous waste. Specifically in the lapping area ^{in the} hazardous waste storage ~~area~~ and parts wash areas there is evidence of a release by D001/D039/D013 waste petroleum naptha on the floor.

6 40CFR 265.52(c), codified at ISANACIBA.0010 states that

The plan must describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services, pursuant to Section 265.37.

NOTE 40 CFR 265.37 states that

7b of R

265.37 Arrangements with local authorities.

- (a) The owner or operator must attempt to make the following arrangements, as appropriate for the type of waste handled at his facility and the potential need for the services of these organizations:
 - (1) Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes;
 - (2) Where more than one police and fire department might respond to an emergency, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority;
 - (3) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and
 - (4) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.
- (b) Where State or local authorities decline to enter into such arrangements, the owner or operator must document the refusal in the operating record.

Kyocera

(d) 40 CFR 265.50

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Kysora

Kysora Engineered Ceramics Inc. is in violation of 40CFR 262.34(a)(4), codified at ISANCA 13A.0007, and referenced at 40CFR 265.52(c), codified at ISANCA 13A.0010 in that it failed to describe arrangements with emergency responders in the facility contingency plan pursuant to 40CFR 265.37

40CFR 265.52(d), codified at ISANCA 13A.0010 states that

The plan must list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator (see Section 265.55), and this list must be kept up to date. Where more than one person is listed, one must be named as primary emergency coordinator and others must be listed in the order in which they will assume responsibility as alternates.

Kysora Engineered Ceramics, Inc. is in violation of 40CFR 262.34(a)(4), codified at ISANCA 13A.0007, and referenced at 40CFR 265.52(d), codified at ISANCA 13A.0010 in that it failed to provide names, addresses, and phone numbers for ~~these persons~~ emergency coordinators in the facility contingency plan.

9 of 12
Kyocera

8 40CFR 265.52(e), codified at 15A NCAC 13A.0010 states that

The plan must include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list must be kept up to date. In addition, the plan must include the location and a physical description of each item on the list, and a brief outline of its capabilities.

Kyocera Engineered Ceramics, Inc. is in violation of 40CFR 262.34(a)(4), codified at 15A NCAC 13A.0007, and referenced at 40CFR 265.52(e), codified at 15A NCAC 13A.0010 in that it failed to provide a list of emergency equipment along with its capabilities and location in the facility Contingency Plan.

Compliance Schedule

By _____ you shall comply with the following requirements:

A. Comply with 40CFR 262.34(a)(1)(i), codified at 15A NCAC 13A.0007 specifically by:

10 Kyocera

1. Ensuring that containers holding hazardous waste are kept closed unless adding or removing waste as required by 40CFR 265.173(a).

2. Ensuring that required inspections are conducted and records of inspections are kept as required by 40CFR 265.174 and 15A NCAC 13A.0010(i).

B. Comply with 40CFR 262.31(a)(2), codified at 15A NCAC 13A.0007 by ensuring that containers holding hazardous waste are marked with an accumulation start date.

C. Comply with 40CFR 262.31(a)(3), codified at 15A NCAC 13A.0007 by ensuring that containers holding hazardous waste are marked with the words "hazardous waste" to identify their contents.

D. Comply with 40CFR 262.34(a)(4), codified at 15A NCAC 13A.0007 specifically by:

1. Ensuring that facility personnel with hazardous waste management duties receive training as required by 40CFR 265.116(a).

2. Ensuring that a job title for personnel with hazardous waste management duties is provided.

11 of 12

Kyocera

as required by 40CFR 265.16(d)(1)

3 Ensuring that a job description for personnel with hazardous waste management duties is provided as required by 40CFR 265.16(d)(2),

4 Ensuring that a description of both the continuing and initial training required for personnel with hazardous waste management duties is provided as required by 40CFR 265.16(d)(3)

5 Ensuring that measures are taken to prevent the release of hazardous waste. Specifically ensure that the lapping area release is cleaned up ~~and that in future are prevented from occurring~~, and that current practices of allowing trays to drip onto the floor are stopped to prevent ongoing releases.

6 Ensuring that the contingency plan is amended to describe arrangements with emergency responders pursuant to 40CFR 265.37 as required by 40CFR 265.52(c).

(12) of 12 Kyracsa

7. Ensuring that the contingency plan is amended to include names, addresses, and phone numbers for emergency coordinators as required by 40CFR 265.52(d).

8. Ensuring that the contingency plan is amended to include a list of emergency equipment with a brief description of its capabilities, and location as required by 40CFR 265.52(e).

Note: additionally 40CFR 265.52 states that

A copy of the contingency plan and all revisions to the plan must be:

- (a) Maintained at the facility; and
- (b) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

If the requirements above are not met ...

Sincerely,

J Rhodes

cc.

Keith Mastles

Jon Allen

Nann Guthrie

Central Files

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS OR POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
01-06-1993	99936	28 0	02-06-1993	01-14-1993	SAFETY-KLEEN CORP.	28
01-13-1993	70462	54 0	02-13-1993	01-26-1993	SAFETY-KLEEN CORP.	82
01-22-1993	40450	42 0	02-22-1993	02-01-1993	SAFETY-KLEEN CORP.	124
01-28-1993	22340	40 0	02-28-1993	02-04-1993	SAFETY-KLEEN CORP.	164

Received 3/18/94 JA

TC as per Bill Baldwin / TC w/ SafetyKleen
 3/18/94 - SK solvent is 6.9 lb/g
 June 255g largest generation in 1 mo
 1760 lbs total
 misnotified

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
02-04-1993	04286	39		0	03-04-1993	02-09-1993	SAFETY-KLEEN CORP.	39
02-12-1993	89359	38		0	03-12-1993	02-19-1993	SAFETY-KLEEN CORP.	77
02-19-1993	72065	54		0	03-19-1993	03-02-1993	SAFETY-KLEEN CORP.	131
02-24-1993	53391	49		0	03-24-1993	03-02-1993	SAFETY-KLEEN CORP.	180

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
03-05-1993	33561	32		0	04-05-1993	03-17-1993	SAFETY-KLEEN CORP.	32
03-09-1993	17961	34		0	04-09-1993	03-17-1993	SAFETY-KLEEN CORP.	66
03-18-1993	01595	52		0	04-18-1993	03-30-1993	SAFETY-KLEEN CORP.	118
03-25-1993	82417	39		0	04-25-1993	04-20-1993	SAFETY-KLEEN CORP.	157
03-31-1993	62594	37		0	04-30-1993	04-05-1993	SAFETY-KLEEN CORP.	194

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
04-08-1993	47347	64		0	05-08-1993	04-20-1993	SAFETY-KLEEN CORP.	64
04-14-1993	30905	40		0	05-14-1993	04-20-1993	SAFETY-KLEEN CORP.	104
04-22-1993	12844	45		0	05-22-1993	04-28-1993	SAFETY-KLEEN CORP.	149
04-28-1993	93228	45		0	05-28-1993	05-11-1993	SAFETY-KLEEN CORP.	194

HAZARDOUS WASTE MANIFEST LOG

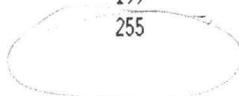
03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
05-06-1993	77152	51	0		06-06-1993	05-11-1993	SAFETY-KLEEN CORP.	51
05-13-1993	59672	48	0		06-13-1993	05-25-1993	SAFETY-KLEEN CORP.	99
05-20-1993	40715	41	0		06-20-1993	05-25-1993	SAFETY-KLEEN CORP.	140
05-26-1993	21724	58	0		06-26-1993	06-03-1993	SAFETY-KLEEN CORP.	198

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
06-04-1993	05675	46	0		07-04-1993	06-09-1993	SAFETY-KLEEN CORP.	46
06-10-1993	88640	59	0		07-10-1993	06-15-1993	SAFETY-KLEEN CORP.	105
06-16-1993	69910	45	0		07-16-1993	06-21-1993	SAFETY-KLEEN CORP.	150
06-22-1993	50268	49	0		07-22-1993	06-29-1993	SAFETY-KLEEN CORP.	199
06-29-1993	33735	56	0		07-29-1993	07-07-1993	SAFETY-KLEEN CORP.	255



HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
07-08-1993	16439	54		0	08-08-1993	07-14-1993	SAFETY-KLEEN CORP.	54
07-15-1993	12495	45		0	08-15-1993	08-06-1993	SAFETY-KLEEN CORP.	99
07-22-1993	79985	47		0	08-22-1993	08-06-1993	SAFETY-KLEEN CORP.	146
07-29-1993	63293	55		0	08-29-1993	08-06-1993	SAFETY-KLEEN CORP.	201

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
08-05-1993	44817	58		0	09-05-1993	08-17-1993	SAFETY-KLEEN CORP.	58
08-12-1993	25726	47		0	09-12-1993	08-17-1993	SAFETY-KLEEN CORP.	105
08-19-1993	19873	42		0	09-19-1993	08-24-1993	SAFETY-KLEEN CORP.	147
08-25-1993	17856	52		0	09-25-1993	08-31-1993	SAFETY-KLEEN CORP.	199

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
09-02-1993	85535	53		0	10-02-1993	09-14-1993	SAFETY-KLEEN CORP.	53
09-09-1993	51936	47		0	10-09-1993	09-14-1993	SAFETY-KLEEN CORP.	100
09-16-1993	33418	43		0	10-16-1993	09-22-1993	SAFETY-KLEEN CORP.	143
09-23-1993	15826	61		0	10-23-1993	09-28-1993	SAFETY-KLEEN CORP.	204
09-30-1993	97590	50		0	10-30-1993	10-04-1993	SAFETY-KLEEN CORP.	254

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
10-07-1993	78587	51	0		11-07-1993	10-11-1993	SAFETY-KLEEN CORP.	51
10-15-1993	60088	43	0		11-15-1993	10-25-1993	SAFETY-KLEEN CORP.	94
10-21-1993	42426	58	0		11-21-1993	10-26-1993	SAFETY-KLEEN CORP.	152
10-27-1993	24218	54	0		11-27-1993	11-01-1993	SAFETY-KLEEN CORP.	206

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
11-04-1993	04478	41		0	12-04-1993	11-10-1993	SAFETY-KLEEN CORP.	41
11-12-1993	85025	49		0	12-12-1993	11-23-1993	SAFETY-KLEEN CORP.	90
11-18-1993	67154	57		0	12-18-1993	11-23-1993	SAFETY-KLEEN CORP.	147
11-24-1993	48219	21		0	12-24-1993	12-02-1993	SAFETY-KLEEN CORP.	168

HAZARDOUS WASTE MANIFEST LOG

03-18-1994

DATE	MANIFEST #	GALLONS	OR	POUNDS	RETURN DUE	DATE RECEIVED	TRANSPORTER	GALLONS TO DATE
12-03-1993	28239	32		0	01-03-1994	12-16-1993	SAFETY-KLEEN CORP.	32
12-09-1993	08702	25		0	01-09-1994	12-16-1993	SAFETY-KLEEN CORP.	57
12-15-1993	94794	59		0	01-15-1994	01-13-1994	SAFETY-KLEEN CORP.	116
12-22-1993	89921	42		0	01-22-1994	01-13-1994	SAFETY-KLEEN CORP.	158
12-29-1993	83203	36		0	01-29-1994	01-13-1994	SAFETY-KLEEN CORP.	194



North Carolina Department of Human Resources
 Division of Health Services
 P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
 Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
 State Health Director

October 30, 1986

Kyocera Feldmuehle, Inc.
 PO Box 678
 Mountain Home NC 28758

RE: EPA ID No.: NCD981471469

Dear Sir:

Based on information supplied by you for the site identified with the above EPA ID number, the state has accepted and processed the change RCRA listing or information that you requested.

Added As:
 Small Generator

Deleted As:
 Generator

Listed below is site information contained on our computer files:

COMPANY NAME	<u>Kyocera Feldmuehle, Inc.</u>
OWNERSHIP	<u>Kyocera International</u>
CONTACT	<u>Baldwin, Bill</u>
PHONE NUMBER	<u>(704)693-0241</u>
LOCATION ADDRESS	<u>100 Industrial Park Road</u>
CITY, STATE & ZIP	<u>Mountain Home NC 28758</u>

Please verify that the above computer listing/information is correct by notifying us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status. Your EPA ID number has not been inactivated.

Sincerely,

Margaret Babb, Environmental Chemist
 Solid & Hazardous Waste Management Branch

CC: KEITH MASTERS ✓
 EPA Region IV



Did
NBS 10-17-86

Oct. 19, 1986

To: Doug Hollyfield
From: Keith Maden.

Subject: Kyocera Fellowship Inc. (KFI)

On Oct 14, 1986 I made a visit to the Company to inspect them as a Generator. This Company manufactures Ceramics for the Textile, Mechanical, Wire drawing, Automobile and electronic industries. Their Waste stream is safety-Sleen material, which is provided and disposed of by safety-Sleen. This waste was 1900 lbs. in Sept 1986 and less for the two previous months.

Some Soble is used in their processes and goes to the Waste Water treatment plant.

One 55 Gal. Drum of Formic Acid (Waste) with a pH of 3.0 (by pH paper test) was on site.

Approximately 125 drums of Waste Oil was on site. According to Bill Johnson the drums contained Linseed oil, Olive oil and Ceramic chips.

Their Waste Water treatment sludge has been analyzed and looks Non-hazardous.

(results are attached). I did not see any other hazardous waste streams although Jim Wetheron has had questions concerning some dust from a concrete mixing and sorting area that has been going to the landfill. I did not see this when I was on site.

I have advised the company to remove the Harmic Gel, check all waste streams again and analysis if necessary, then to change their status to SQC if they have no hazardous waste streams except Safety Block in volume under 2200 lbs/MO.

Please review and comment - Advise if you are not or are in agreement or if you feel further action is necessary.

17
52

WFI

10-14-86

1. listed as gen. - looks like SQG

2. Safety Clean - Goes to _____ #/MO.

Safety Clean Corp.
Old Litchfield Mill Road.
Greer, S.C. 29651
SCD981031040

3. Used oils on hand approx:

125 drums

} Bio-degradable Oil } grinding sludge
} Olive Oil - Ceramic chips }

pH paper method.

4. 1-55 #Dr. Formic Acid → 30 pH

5. Some Oxidite used in a cleaning op. - this goes to Waste treatment plant
Have NPDES permit for Waste treatment.

6. Bill Baldwin
Shirley Cairnes

7. Mg. Technic Industrial Ceramics used in the Textile, Mechanical, Wire Drawing, Auto industries, & Electronics Ind. - ~~Waste~~ Waste stream is solvents from 2' to Safety Clean - Approx _____ #/30 days

8. Regs - 40 CFR 262

9. Area of Violation
— All 262. —

10. Compliance Schedule.
? Delist or

11. Sludge from Waste Water Treatment Goes
to Landfill.
→ See Attached Analysis ←
Sludge looks OK.

12. Company to review all Waste
streams in plant - Analyze if
Necessary - and to notify me
by Oct. 21, 1986 of findings, then
delist if SQC.

NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH

P.O. BOX 2091 RALEIGH, NORTH CAROLINA 27602-2091

306 N. WILMINGTON ST.

INSPECTION ACTIONS

STAFF ID: 17 NAME: James E. Patterson INSPECTION DATE 6 24 86

EPA ID NO. APPLIED FOR NAME: Kyocera Feldmuehle Inc.

ADDRESS: MTN. HOME IND. PARK CITY: MOUNTAIN HOME

FACILITY CONTACT: MASAHIKO NAKANO

SM.GEN: GEN: TRANS: INTERIM TSDF: PERMITTED TSDF:

AGENCY REAP.FOR INSPECTION: STATE: EPA: JOINT: OVERSIGHT

GWM: FIN: CL/PC: CMPL.SCH: PT.B: MANFST: OTHER:

NEW UPDATE

TYPE OF INSPECTION: 10

<u>1</u> = EVALUATION	<u>6</u> = OTHER (COMPLAINT)
<u>2</u> = SAMPLING	<u>7</u> = OTHER (PART B CALL)
<u>3</u> = RECORD REVIEW	<u>8</u> = OTHER (WITHDRAWAL)
<u>4</u> = GROUND WATER	<u>9</u> = OTHER (CLOSED FAC.)
<u>5</u> = FOLLOW UP	<u>10</u> = OTHER (GENERAL)
	<u>11</u> = CASE DEVELOPMENT

*Discussion of RCRA
and survey of waste
streams and processes*

LOCATION: ON SITE: FIELD OFFICE: RALEIGH OFFICE: OTHER

RESULT: IN COMPLIANCE: IN VIOLATION-DOCKET NO:

AREAS IN VIOLATION: SG .261: TSDF.264: GW. 264: CONT. 264:
 GEN.262: TSDF.265: GW. 265: CONT. 265:
 TRN.263: C/PC.264: FIN.264: MF. 264:
 PER.270: C/PC.265: FIN.265: MF. 265:

HANDLING METHODS: CNTR.264: INCN.264: SURF.264:
 CNTR.265: INCN.265: SURF.265:

ENFORCEMENT ACTION (N.O.V.)WARNING LETTER 03 INFORMAL 10
 ADMINISTRATIVE ORDER 05
 COMPLIANCE COMPLIANT 04
 FILED CIVIL ACTION 11
 FILED CRIMINAL ACTION 12

PENALTY ASSESSED: \$

SCHEDULED REINSPECTION DATES: 1 2 3
4 5 6

NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH

P.O. BOX 2091 RALEIGH, NORTH CAROLINA 27602-2091

306 N. WILMINGTON ST.

INSPECTION ACTIONS

STAFF ID: 17 NAME: James E. Patterson INSPECTION DATE: 2 27 86

EPA ID NO. Number applied for NAME: KYOCERA FELDMEHLE INC

ADDRESS: MT. HOME IND. PARK CITY: MOUNTAIN HOME

NEW: [checked] UP DATE: FACILITY CONTACT: SHIRLEY CAIRNES

AGENCY RESP. FOR INSPECTION: [checked] STATE: EPA: JOINT: EPA OVERSIGHT

RCRA CLASS: [checked] GEN: TRANS: INTERIM TSDF: PERMITTED TSDF

TYPE OF INSPECTION: 10
ATA-DISCUSSION OF RCRA
REQUIREMENTS FOR LARGE
GENERATORS

- 1 = (RCRA) EVALUATION 6 = OTHER (COMPLAINT)
2 = SAMPLING 7 = OTHER (PART B CALL)
3 = RECORD REVIEW 8 = OTHER (WITHDRAWAL)
4 = GROUND WATER 9 = OTHER (CLOSED FAC.)
5 = FOLLOW UP 10 = OTHER (GENERAL)

LOCATION: [checked] ON SITE: FIELD OFFICE: RALEIGH OFFICE: OTHER

RESULT: IN COMPLIANCE: IN VIOLATION-DOCKET NO.

AREAS IN VIOLATION: SG .261: TSDF.264: GW. 264: CONT. 264:

GEN.262: TSDF.265: GW. 265: CONT. 265:

TRN.263: C/CP.264: FIN.264: MF. 264:

PER.270: C/CP.265: FIN.265: MF. 265:

HANDLING METHODS: CNTR.264: INCN.264: SURF.264

CNTR.265: INCN.265: SURF.265:

ENFORCEMENT ACTION 3007 LETTER WARNING LETTER INFORMAL

FILED CIVIL ACTION FILED CRIMINAL ACTION

ADMINISTRATIVE ORDER OR CONSENT ORDER

3008 FINAL ORDER

PENALTY RECOMMENDED \$

SCHEDULED REINSPECTION DATES: 1 2 3

4 5 6

COMMENTS