Lucas Aerospace Power Transmission

Soil Remediation Closure Report

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Seward Avenue Facility Utica, New York

January 1999 Project Number: 939.008

> Environmental Resources Management 5788 Widewaters Parkway Dewitt, New York 13214



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1.0 PURPOSE AND SCOPE

The purpose of this Soil Remediation Closure Report is to present a summary of the remediation and confirmation sampling conducted at the Lucas Aerospace Power Transmission (Lucas) facility located in Utica, New York (Figure 1-1) ("the site"). The remediation effort was conducted in accordance with Environmental Resources Management's (ERM's) Soil Remediation Workplan, dated January 1998, unless otherwise noted in this report. Remediation activities included the excavation of soils at the site containing volatile organic compounds (VOCs) in concentrations above Project Cleanup Objectives and the transportation of those soils to and disposal at an approved disposal facility. Project Cleanup Objectives (Table 1-1) were based on the soil cleanup objectives in New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) No. 4046, dated 24 January 1994.

Previous environmental investigations at the site identified the presence of VOCs in the site soils located south of the Main Plant Building (Figure 1-2) ("VOC-impacted soils"). Laboratory analyses of ground water samples from site monitoring wells indicate that site ground water has been impacted with VOCs. The purpose of the project was to remove the VOC-impacted soils and eliminate their potential impact to site ground water.

This report includes a summary of the site background, a summary of the soil remediation project (with additional soil investigations), and conclusions. Certification of a professional engineer is provided in Section 1.1 of this report.

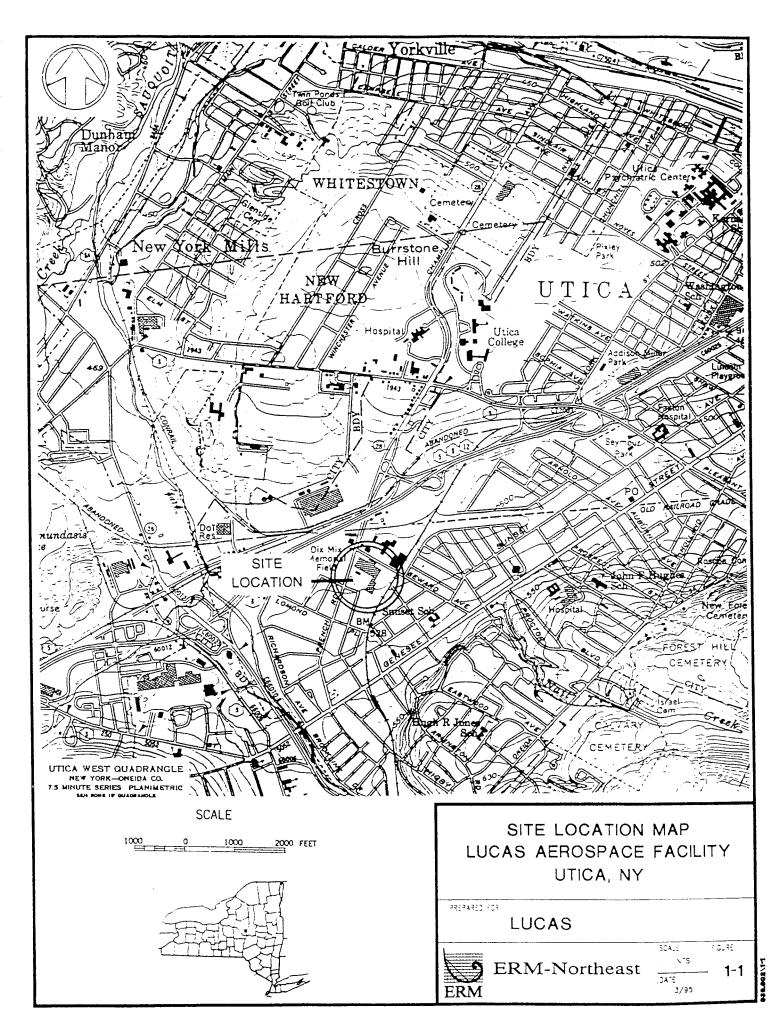
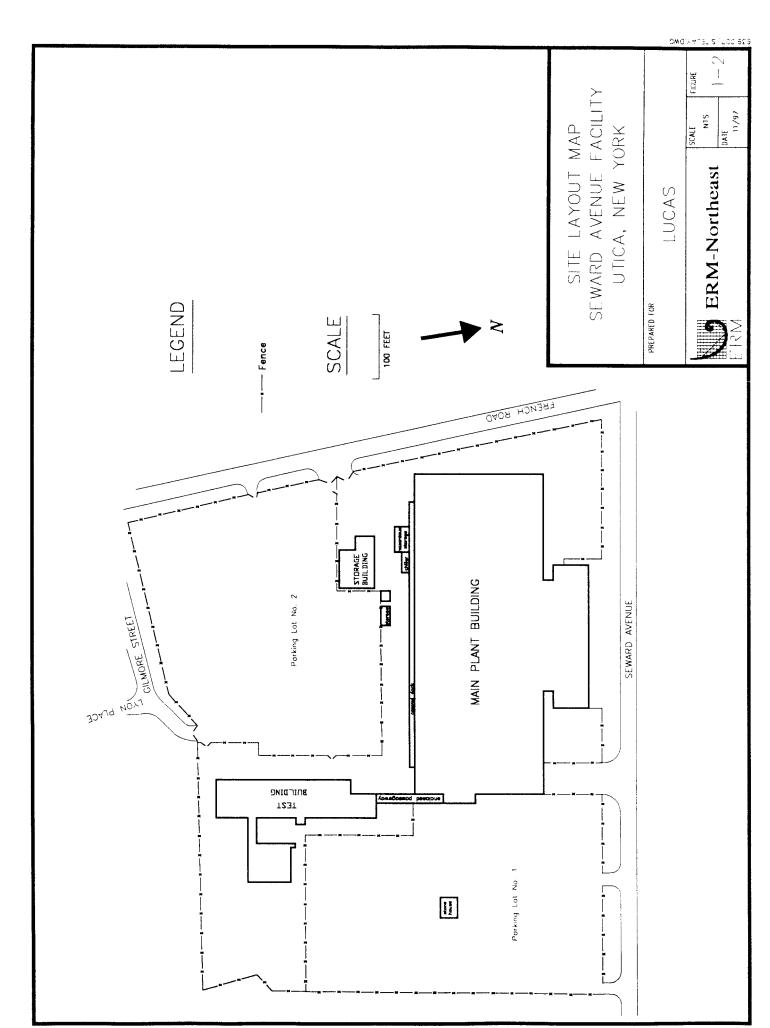


TABLE 1-1 PROJECT CLEANUP OBJECTIVES

COMPOUND	CONCENTRATION (mg/kg)
acetone	0.2
benzene	0.06
1,1 dichloroethane	0.2
1,2 dichlorothene (trans)	0.3
1,2 dichlorothene (cis)	0.25
ethylbenzene	5.5
toluene	1.5
1,1,1 trichloroethane	0.8
trichloroethene	0.7
tetrachloroethene	1.4
xylenes, total	1.2



1.1 PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that ERM Northeast Engineers P.C., has reviewed the soil remediation work described in the attached Soil Remediation Closure Report dated January 1999 and certify that said work was performed in accordance with the Soil Remediation Workplan (January 1998), prepared by ERM Northeast inc., except as noted in Section 4.0 of this report. The Soil Remediation Workplan was prepared in accordance with general accepted engineering practices.

Name:

Andris H Ledins, P.E.____

Title:

Principal

Signature

Date:

February 10, 1999



2.0 BACKGROUND

The Lucas facility is located in the City of Utica in Oneida County, New York (Figure 1-1). The facility is bordered on the north by Seward Avenue and the west by French Road and Lyon Place (Figure 1-2). The facility is bordered on the south by Lomond Street (Figure 1-1) and Gilmore Place. The approximately 22-acre site is relatively flat and contains two main buildings and a smaller storage building. The Main Plant Building is a two story manufacturing and office building located along the north portion of the site with approximately 115,000 square feet per floor. A 10,000 square foot single story Test Cell Building is located in the central portion of the site. The site also contains three asphalt paved parking areas located to the east, southeast, and south of the Main Plant Building. The Lucas facility, including the parking areas, is zoned for manufacturing.

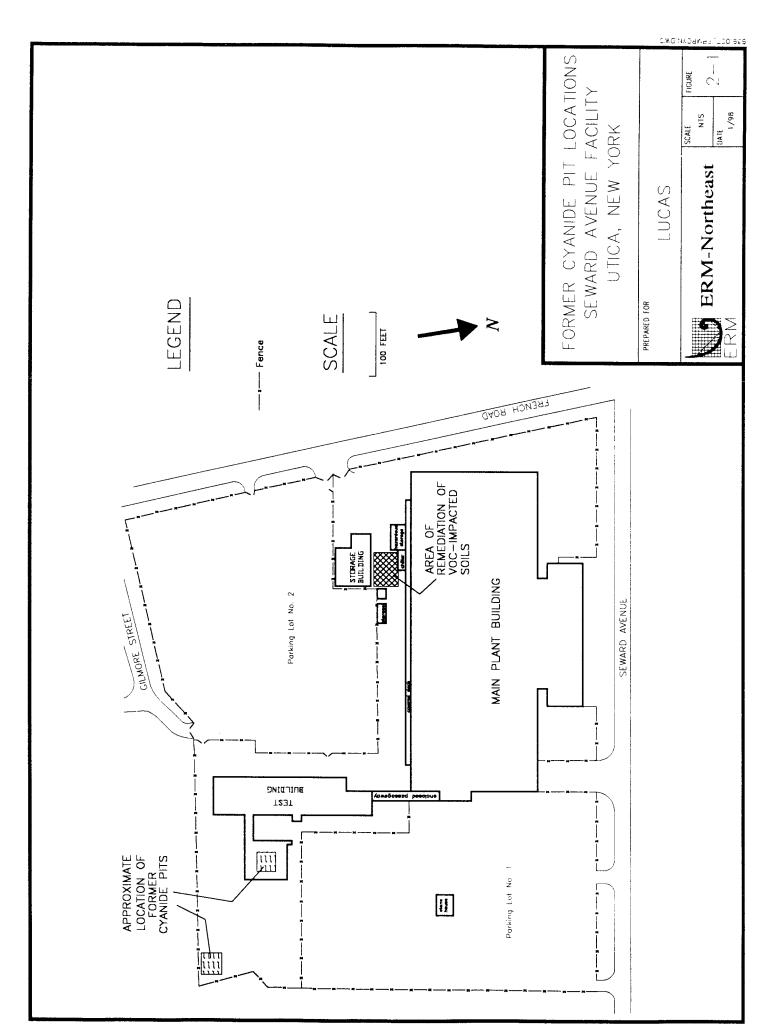
The site is on the New York State Department of Environmental Conservation's (NYSDEC's) Registry of Inactive Hazardous Waste Disposal Sites, as a Class 4 site, under the heading: "Bendix Fluid Power Division" (Registry Site #633020). The Site was listed because of a prior owner's use of two earthen-bottom pits for the disposal of cyanide wastes from copper and cadmium plating, heat treating, and stripper operations (Figure 2-1). These pits were voluntarily remediated in the past. The VOC-impacted media remediated during 1998 and reported herein are remote from and unrelated to these former cyanide disposal pits.

2.1 LOCAL GEOLOGY AND HYDROGEOLOGY

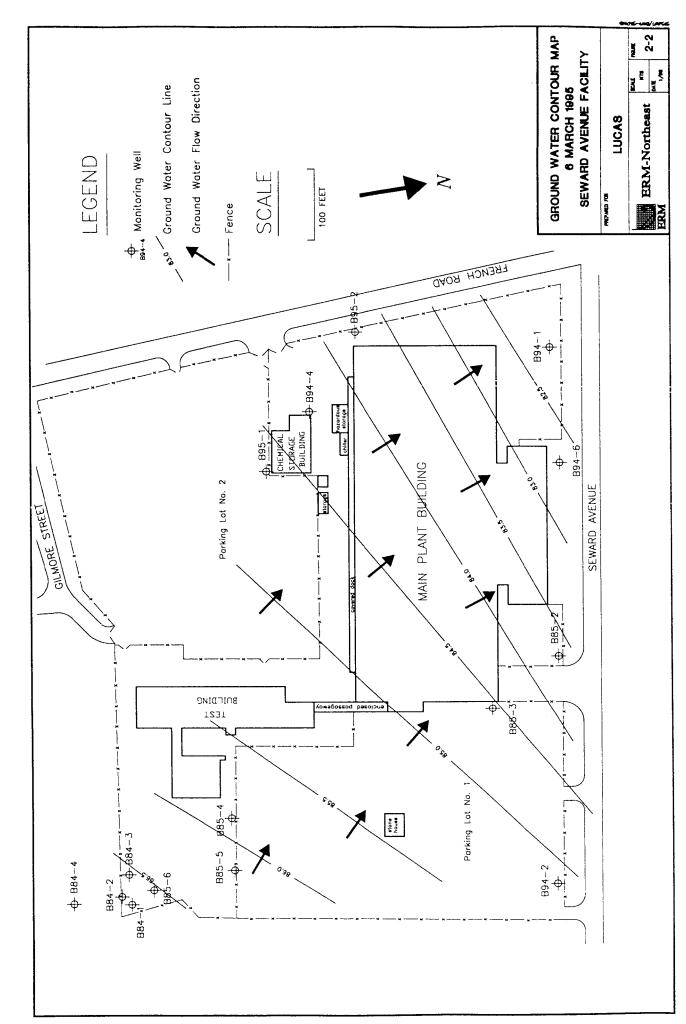
The Lucas facility is located within the Erie-Ontario Lowlands physiographic province of New York State (Isachsen, et. al., 1991). Topographic relief within this province is moderate and relief in the vicinity of the site is approximately 110 feet within a 0.5 mile radius.

Unconsolidated deposits in the vicinity of the site consist of glacial lacustrine sand deposits (Cadwell and Dineen, 1986). The origin of these sand deposits is associated with large bodies of water. Generally, they are near-shore deposits or occur near a sand source. Lacustrine sands are described as well sorted and stratified deposits generally consisting of quartz sands. The thickness of these deposits is variable and may range from 7 to 66 feet (2 to 20 meters).

Bedrock underlying the unconsolidated deposits of this area is reported to be Utica Shale (Rickard and Fisher, 1970), a member of the Lorraine, Trenton, and Black River Groups. This fissile black shale is Middle Ordovician in age and is marine in origin. The Utica Shale is



characterized by alternating beds of black shale and lighter gray shales. Bugliosi, et. al. (1988) mapped the unconsolidated deposits in the vicinity of the site as an unconfined aquifer with potential yields from wells installed within the deposits of greater than 100 gallons per minute. There are no primary or principal aquifers in the vicinity of the site as classified by the NYSDEC (1990). Local shallow ground water flow is to the northwest based on previous ground water measurement (see Figure 2-2).



3.0 SUMMARY OF SOIL REMEDIATION PROJECT

Remedial construction activities were conducted from 30 January 1998 to 4 September 1998. Construction activities were performed by EnviroClean Northeast, Inc. (ECNE) with construction oversite provided by ERM. Mr. Craig Weil of the NYSDEC was on site to observe remedial activities on 2 February 1998. Photographs from the construction activities are provided in Appendix A.

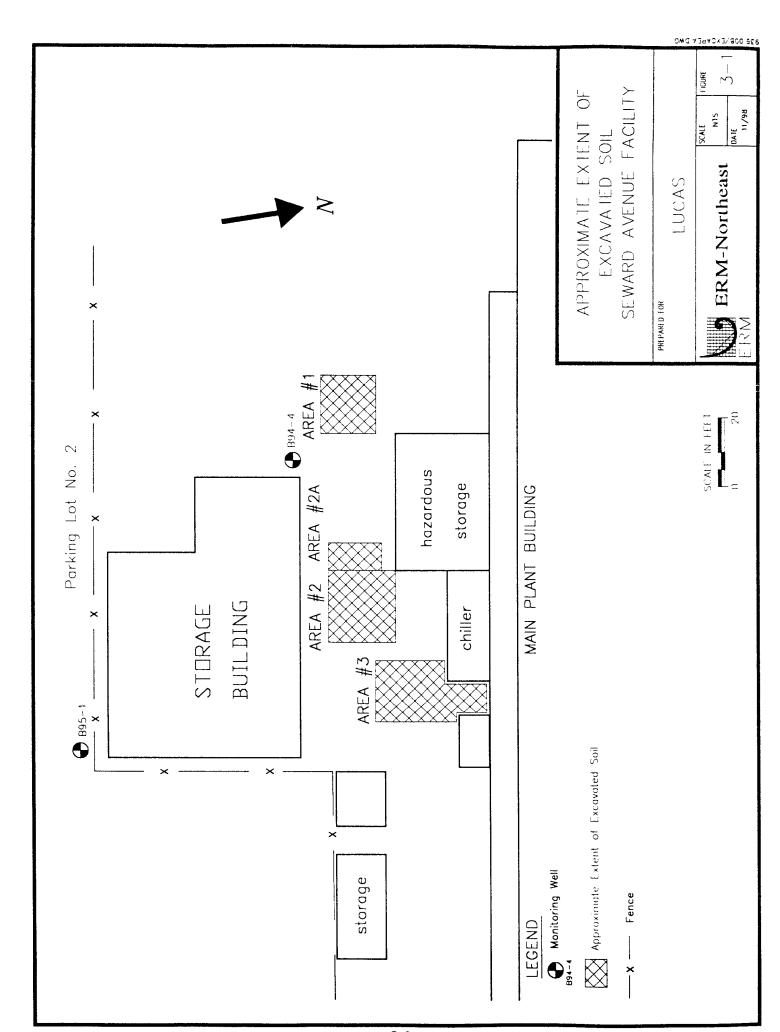
3.1 EXCAVATION OF IMPACTED SOILS

Construction activities began at the site on 30 January 1998. Excavation at the site was completed using two John Deere (JD 310) backhoes. Excavated soils were staged on site in lined roll-off drop boxes prior to transportation off-site. The roll-offs were staged on the northeast end of Parking Lot #2 which is an asphalt paved parking lot. Chain link fencing was disassembled to allow access from the excavation area to the roll-off staging area.

Field screening of soil samples for VOCs was conducted using a Photoionization Detector (PID). The goal of the ERM Soil Remediation Workplan was to remove soil with PID concentrations greater than 5 ppm prior to collecting confirmation soil samples for laboratory analysis. The PIDs used were model number PI101 as manufactured by HNU Systems, Inc. (Serial Numbers 901815 and 401215).

PIDs were also used to periodically measure for VOCs in the air in the work area. The PIDs were calibrated prior to use with standard isobutylene calibration gas with a concentration of 100 parts-per-million (ppm) in air. Permissible Exposure Limits (PELs) for potential chemicals of concern were defined in the Soil Remediation Workplan at Table 3-1 of Appendix B (ERM, January 1998). VOC action levels, used to upgrade or downgrade personal protective equipment and to implement additional precautions or procedures as needed in the work area, were defined in the Soil Remediation Workplan at sections 4.1.1 and 4.1.2 of Appendix B (ERM, January 1998).

Excavation of VOC-impacted soils was completed in three locations in the order described below (Refer to Figure 3-1 for locations of excavation areas).



Area #2

Excavation of VOC-impacted soil from Area #2 began on 2 February 1998 and was completed on 3 February 1998. Excavation of Area #2 ran approximately 21-feet east and 20-feet south from the southeast corner of the Hazardous Storage building. The maximum depth of the excavation was approximately 12.5-feet deep. Elevated PID readings (158 ppm) were recorded along the west wall of the excavation prior to confirmation sampling. However, excavation was discontinued along the west wall of Area #2 to avoid undermining an existing high voltage power pole. The power pole was later relocated to allow for the excavation of soil to the west of the initial Area #2 excavation (see discussion below at Area #2A). During the excavation of Area #2, a storm sewer and a sprinkler water line were unearthed. The sprinkler and storm lines are located above the ground water table elevation and appeared to be in good condition.

Area #3

Excavation of VOC-impacted soil from Area #3 began on 4 February 1998 and was completed on 9 February 1998. Prior to excavating VOC-impacted soil, steel rails from two abandoned railroad track spurs had to be cut. The cut sections of steel rails were left on site for disposal by Lucas. Upon approval from the disposal facility, the railroad ties were placed in the impacted-soil roll-offs for disposal at the landfill.

Excavation Area #3 ran approximately 32.5-feet south from the Main Plant Building and it was approximately 18-feet wide. The maximum depth of the excavation was approximately 6.2-feet deep. An approximately 10-foot length of a 10-inch storm sewer line was damaged and subsequently repaired during the excavation. The storm sewer line is located above the ground water table elevation and appeared to be in good condition subsequent to the repairs.

Area #1

Excavation of VOC-impacted soil from Area #1 began on 9 February 1998 and was completed on 10 February 1998. Prior to excavating VOC-impacted soil, the concrete drive slab overlying Area #1 was saw-cut and removed. During the excavation of Area #1, the water sprinkler line and a concrete foundation wall (for the old railroad track) were unearthed.

Excavation Area #1 ran approximately 21.2-feet south and 16.9-feet west from the southwest corner of the Hazardous Storage building. The maximum depth of the excavation was approximately 5.5-feet deep. An approximately 4-foot length of 6-inch storm sewer line was damaged and subsequently repaired during the excavation. The storm sewer line is

located above the ground water table elevation and appeared to be in good condition subsequent to the repairs.

Area #2A

Confirmation soil sampling of the Area #2 excavation conducted in February 1998, which is discussed in Section 3.3 of this report, indicated that VOC-impacted soil was left to the west of the Area #2 excavation. The VOC-impacted soil was left at the time due to the presence of a power pole to the west of the Area #2 excavation. An additional soil investigation was performed by ERM in March 1998 to determine the extent of the VOC-impacted soil to the west of excavation Area #2. Subsequent to the additional investigation, the power pole was relocated and Area #2A was excavated to remove the VOC-impacted soil to the west of the Area #2 excavation.

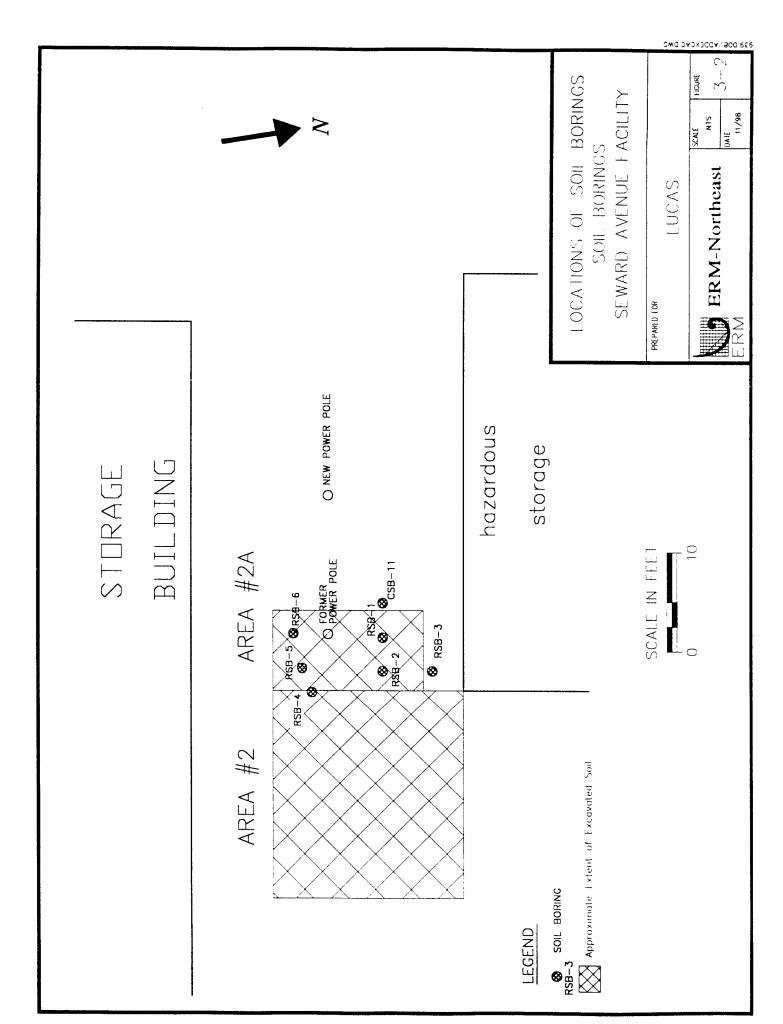
Excavation of VOC-impacted soil from Area #2A began on 1 September 1998 and was completed on 3 September 1998. Prior to excavating VOC-impacted soil, the concrete drive slab overlying Area #2A was saw-cut and removed. During the excavation of Area #2A, a water sprinkler line and a concrete foundation wall were unearthed.

Excavation Area #2A ran approximately 15-feet south and 8-feet west from the northeast corner of the Area #2 excavation. The maximum depth of the excavation was approximately 7.5-feet deep. The sprinkler line is located above the ground water table elevation and appeared to be in good condition.

3.2 ADDITIONAL INVESTIGATION

ERM conducted an additional soil investigation to the west of the excavation Area #2 to determine the extent of VOC-impacted soil. The additional investigation was performed on 2 March 1998 and 4 March 1998 and included the installation of six soil borings (RSB-1 through RSB-6). The locations of the soil borings are indicated on Figure 3-2 and boring logs, with PID measurements, are provided in Appendix F. The soil borings were installed using a Clements Associates JMC Environmentalist's Subsoil Probe (ESP). Borings were advanced to a maximum depth of 6 feet. Field screening of soil samples for VOCs was conducted using a PID. The PID used was an OVM/Datalogger (Model 580B) as manufactured by Thermo Environmental Instruments, Inc.

Based on the screening of the soils with the PID, soil samples were collected for laboratory analysis from RSB-2 and RSB-6. Samples were transferred into clean, laboratory-supplied glass jars and placed into



thermally insulated containers. Samples were transported with proper chain of custody documentation. Both samples were analyzed by Life Science Laboratories, Inc. (East Syracuse, New York) using USEPA Method 8260B for TCL VOCs. The analytical results indicate that the VOC concentrations in samples RSB-2 and RSB-6 were below the Project Cleanup Objectives. The analytical results from the samples, as well as Project Cleanup Objectives, are summarized in Table 3-1 and full laboratory reports are provided in Appendix C.

Based on the analytical results from the sampling, the approximate extent of VOC-impacted soils above Project Cleanup Objectives to the west of Area #2 was established. The VOC-impacted soils delineated by the additional investigation were located directly adjacent to an existing power pole at the site. The power pole was relocated by Lucas and Niagara Mohawk Power Corporation. As discussed in Section 3.1 of this report, the VOC-impacted soil that was identified during this additional investigation was excavated as Area #2A in September 1998, following the relocation of the power pole.

3.3 TRANSPORTATION AND DISPOSAL OF IMPACTED SOILS

VOC-impacted soils were handled and disposed of as F001 and F002 listed hazardous waste. Transportation and disposal of VOC-impacted soil were handled under contract by Chemical Waste Management, Inc. (CWM) of Oak Brook, Illinois. Impacted soils were transported by Buffalo Fuel Corporation and Price Trucking. Soils were disposed of at the CWM Chemical Services landfill in Model City, New York. This facility is a RCRA Subtitle C permitted Transportation, Storage and Disposal Facility (TSDF). A total of approximately 330-tons of VOC-impacted soil were disposed of during the remediation of Areas #1, #2, and #3. A total of approximately 41.2-tons of VOC-impacted soil were disposed of during the remediation of Area #2A. Copies of the Hazardous Waste Manifests, Land Disposal Notification and Certification Forms, and Certificates of Disposal are provided in Appendix B.

Prior to the start of excavation, impacted soils were profiled by CWM for direct landfill disposal. Past analytical data provided in the Workplan and additional sampling conducted by ERM in Area #3 on 23 January 1998, indicated that VOC-impacted soil concentrations did not exceed Universal Treatment Standards (UTSs) promulgated under the USEPA Land Disposal Restrictions (LDR) program. The sample collected on 23 January 1998 was analyzed for Target Compound List (TCL) VOCs using USEPA Method 8260B and for PCBs using USEPA Method 8082.

SUMMARY OF ANALYTICAL DATA - SOILS
SOIL REMEDIATION CONFIRMATION SAMPLES
LUCAS - UTICA, NY
ERM-NORTHEAST PROJECT NO. 939.008

TABLE 3-1

EXCAVATION AREA	PROJECT			AREA 1					AREA 2			RSB-2	RSB-6
WALL/FLOOR LOCATION	CLEANUP	WEST	SOUTH	FLOOR	EAST	NORTH	WEST	ниоѕ	FLOOR	EAST	NORTH	3.5-6.0	3.5-6.0
DATECOLLECTED	OBJECTIVE	2/11/98	271198	2/11/98	2/11/98	2/11/98	2/3/98	2/3/98	2/3/98	2/4/98	2/3/98	3/2/98	3/4/98
VOCs													
acetone	0.2			1	1		-				0.089	-	
penzene	90.0	ŧ	1	-	ļ	1		-	1	1		1	
1,1 dichloroethane	0.2		1	0.018	-	0.016	rg:	0.013	0.025	1	0.022	0.014	1
1,2-dichloroethene (trans)	0.3			1	1	1	i	1 4 4			1	1	:
1,2-dichloroethene (cis)	0.25		090000	0.068	0.0098	0.300	, e	0.180	0.086	-	0.019	0.074	0.014
ethylbenzene	5.5	1	1	i		1			1				
toluene	1.5	1	1	i		1				-	0.018	0.011	1
1,1,1 trichloroethane	8.0	0.011	0.034	0.094	0.025	0.045	1.9		0.110		-	1	1
trichloroethene	0.7	0:030	0.019	0.400	0.051	0:9:0	6	0.130	0.078	0.025		0.058	0.011
tetrachloroethene	1.4	0.027	0.031	0.150	0.055	0.064	16		0.029	-	1		-
xylenes, total	1.2		:	;	1		-		***************************************	1	0.0061		
vinyl chloride	0.2	-	;	i	1	-	1		1		0.039	1	i
methylene chloride	0.1		-	!	0.011*				1	1		-	

NOTES:

- All values are reported as milligrams/kilogram (mg/kg)
 - --- Analyte not detected in this sample
- Only those analytes that were detected in at least one sample are presented
- Project Cleanup Objectives equal to NYSDEC Recommended Soil Cleanup Guidance (TAGM 4046)
 - Shaded areas indicate exceedence of the recommended soil cleanup guidance
 - * This result has been blank corrected. Laboratory contamination suspected.

SUMMARY OF ANALYTICAL DATA - SOILS
SOIL REMEDIATION CONFIRMATION SAMPLES
LUCAS - UTICA, NY
ERM-NORTHEAST PROJECT NO. 939.008

TABLE 3-1 (cont.)

EXCAVATION AREA	PROJECT		ARE	AREA 2A				AREA 3		
WALL/FLOOR LOCATION	CLEANUP	WWALL	SWALL	NWALL	FLOOR	WEST	SOUTH	FLOOR	EAST	NORTH
DATE COLLECTED	OBJECTIVE	86/2/6	86/7/6	9/2/68	9/2/98	2/5/98	2/5/98	2/5/98	2/5/98	2/5/98
VOCs										
acetone	0.2		-	1	-		1	-		0.26
enezued	90:0		i	1	1	-			0 0 0	-
1,1 dichloroethane	0.2	•	0.005	1	1	1				1
1,2-dichloroethene (trans)	0.3	1	1	;	1		1 1 1	4	4 4 6	
1,2-dichloroethene (cis)	0.25	0.013	0.081	0.011	0.007	-				1
ethylbenzene	5.5	•		•	1		-	-		
toluene	1.5	ì	;	•	-					1
1,1,1 trichloroethane	8.0	-	600.0	1	1			1 4 6		
trichloroethene	0.7	0.019	0.084	0.008	0.024	1				# L
tetrachloroethene	1.4		1	1	1	0.110		7,000		;
xylenes, total	1.2	1	1	ļ	1		•		1 1	-
vinyl chloride	0.2	1	-	1	-	-	1			1
methylene chloride	0.1	1					-			

HON

- All values are reported as milligrams/kilogram (mg/kg)
 - --- Analyte not detected in this sample
- Only those analytes that were detected in at least one sample are presented
- Project Cleanup Objectives equal to NYSDEC Recommended Soil Cleanup Guidance (TACM 4046)
 - Shaded areas indicate exceedence of the recommended soil cleanup guidance
 - * This result has been blank corrected. Laboratory contamination suspected.

The total VOC concentration (sum of detected analytes) of the 23 January 1998 sample was 10.8 milligrams per kilogram (mg/kg) and the PCB concentration was 1.3 mg/kg. The individual VOCs detected in the 23 January 1998 sample were present at concentrations below their respective UTSs. The UTS for PCBs is 10 mg/Kg. Analytical results from the 23 January 1998 sampling event are provided in Appendix C and the CWM approval letter is provided in Appendix D.

3.4 CONFIRMATION SOIL SAMPLING

Based on the results of the field screening of the soil with a PID, confirmation soils samples were collected for laboratory analysis. Confirmation soil samples were transferred into clean, laboratory-supplied glass jars and placed into thermally insulated containers. Samples were transported with proper chain of custody documentation. A confirmation sample was collected from each excavation area wall and from the floor of each excavation. All samples were analyzed by Life Science Laboratories, Inc. (East Syracuse, New York) using USEPA Method 8260B for TCL VOCs.

The analytical results were compared to the Project Cleanup Objectives established in the Soil Remediation Workplan (ERM, January 1998). Project Cleanup Objectives were based on the soil cleanup objectives set forth by NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046, dated 24 January 1994. The analytical results from the confirmation samples, as well as Project Cleanup Objectives, are summarized in Table 3-1 and full reports are provided in Appendix C.

Area #2

The north, south and west wall samples and the floor sample were collected from Area #2 on 3 February 1998. The east wall sample was collected on 4 February 1998. PID measurements from the sampling locations included: North Wall - 7.0 ppm, South Wall - 28 ppm, West Wall - 158 ppm, East Wall - 5.2 ppm, and Floor - 54 ppm. The wall samples were collected at an approximate depth of 6-feet below ground surface. The floor sample was collected at an approximate depth of 12.5-feet below ground surface.

Analytical results indicated that samples meet Project Cleanup Objectives, with the exception of the west wall sample. The West Wall sample exceeded Project Cleanup Objectives for 1,1-dichloroethane, 1,2-dichloroethene(cis), 1,1,1-trichloroethane, trichloroethene, and tetrachloroethene. An additional soil investigation was performed by ERM in March 1998 to determine the extent of the VOC-impacted soil

along the west side of excavation Area #2 and this investigation is discussed in Section 3.5 of this report. Subsequent to the additional investigation, Area #2A was excavated to remove the VOC-impacted soil to the west of the Area #2 excavation.

Area #3

Samples were collected from Area #3 on 5 February 1998. PID measurements indicated VOC concentrations were less than 5 ppm for each sampling location. Wall samples were collected at an approximate depth of three-feet below ground surface. The floor sample was collected at an approximate depth of 6-feet below ground surface. Analytical results indicated that samples meet Project Cleanup Objectives, with the exception of the north wall sample. The north wall sample had an acetone concentration of 0.26 mg/kg and the Project Cleanup Objective is 0.2 mg/kg. The north wall sample was collected directly adjacent to the Main Plant Building foundation wall.

In view of the minimal exceedance of the Project Cleanup Objective and a concern over compromising the integrity of the foundation wall by additional excavation, no further action in this area is recommended.

Area #1

Samples were collected from Area #1 on 11 February 1998. PID measurements indicated VOC concentrations were less than 5 ppm for each sampling location. The south, east, and west wall samples were collected at an approximate depth of two-feet below ground surface. The north wall sample was collected from an approximate depth of 4.5-feet below ground surface (at ramp). The floor sample was collected at an approximate depth of 3-feet below ground surface. Analytical results indicated that samples meet Project Cleanup Objectives, with the exception of the north wall sample. The north wall sample had a 1,2-dichloroethene concentration of 0.300 mg/kg and the Project Cleanup Objective is 0.25 mg/kg. The north wall sample was collected directly adjacent to the railroad track concrete foundation wall. The railroad track foundation is immediately adjacent to the foundation wall of the Main Plant Building.

In view of the minimal exceedance of the Project Cleanup Objective and a concern over compromising the integrity of the Main Plant Building foundation wall by additional excavation of the railroad track foundation, no further action in this area is recommended.

Area #2A

The north, south and west wall samples and the floor sample were collected from Area #2A on 2 September 1998. A confirmation soil sample was not collected from the east wall because that wall intercepted the Area #2 excavation. PID measurements from the sampling locations included: North Wall - 2.4 ppm, South Wall - 6.9 ppm, West Wall - 3.2 ppm, and Floor - 4.6 ppm. The wall samples were collected at an approximate depth of 4-feet below ground surface. The floor sample was collected at an approximate depth of 8.0-feet below ground surface. Analytical results indicated that all confirmation samples from Area #2A meet Project Cleanup Objectives.

3.5 SITE RESTORATION

Following the completion of excavation activities, each excavation area was backfilled. Excavation Area #2 and Area #3 were backfilled with bank run gravel. Crushed stone material was installed along the upper 10-inches of Area #2. Crushed stone was used to backfill the entire Area #1 and Area #2A. Backfill material was obtained from Fred Burrows of Utica, New York (see Appendix E for source letter). Backfill material was compacted in lifts using a vibratory plate tamper. Prior to backfilling Area #2, polyethylene sheeting was installed along the west side of the excavation to separate existing soil from the newly installed backfill material. The Soil Remediation Workplan section 3.1 (ERM, January 1998) suggested that non-impacted excavation soils from the site would be used as backfill. However, no soil from the site was used as backfill. Disturbed fencing was restored following site activities. Lucas plans to install concrete over Area #1 in the near future.

4.0 CONCLUSIONS

A soil remediation project was conducted at the Lucas facility to remove VOC-impacted soil. The Project Cleanup Objectives were based on the soil cleanup objectives for the identified VOCs, which are set forth in the NYSDEC Technical and Administrative Guidance Memorandum #4046.

The project was conducted from 30 January 1998 to 4 September 1998. A total of approximately 370-tons of VOC-impacted soil was excavated at the site and transported and disposed off-site at the CWM Chemical Services landfill in Model City, New York. Approximately 330-tons of VOC-impacted soil were removed from three areas during initial excavation efforts conducted from 30 January 1998 to 13 February 1998. Additional remedial activities at the site from 1 September 1998 to 4 September 1998 resulted in the excavation and off-site disposal of approximately 40-tons of VOC-impacted soil.

Confirmation samples were taken from the walls and floor of each excavation area for laboratory analysis. Initial confirmation sampling results indicated that VOC-impacted soil remained to the west of the Area #2 excavation. ERM conducted an additional investigation to determine the extent of the VOC-impacted soil to the west of excavation Area #2. The investigation included the installation of soil borings, field screening with a PID, and soil sampling for laboratory analysis. Based on the results of the investigation, additional excavation activities were conducted and resulted in the removal of approximately 40-tons of soil from Area #2A.

The results of the excavation sampling and laboratory analyses confirmed that the Project Cleanup Objectives were met in all but the following areas:

- The detectable concentration of acetone (2.6 mg/kg) in the soil sample from the north wall of excavation Area #3 slightly exceeded the Project Cleanup Objective of 2.0 mg/kg; and,
- The detectable concentration of 1,2-dichloroethane (0.30 mg/kg) in the confirmation soil sample from the north wall of excavation Area #1 slightly exceeded the Project Cleanup Objective of 0.25 mg/kg.

In view of the minimal exceedance of the Project Cleanup Objectives, and the fact that in both instances, it would be necessary to dig below foundation walls to reach the impacted soils, no further action is recommended.

5.0 REFERENCES

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- Cadwell, D.H. and R.J. Dineen, 1986. Surficial Geologic Map of New York -Hudson Mohawk Sheet. New York State Museum / Geologic Survey, Map and Chart Series #40.
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Appendix A Photo Log



LOOKING NORTH AT AREA #1 - PRIOR TO REMEDIATION



LOOKING WEST AT AREA #2 - PRIOR TO REMEDIATION



LOOKING WEST AT EXCAVATION OF AREA #2



LOOKING NORTHWEST AT EXCAVATION OF AREA #2



LOOKING NORTHWEST AT AREA #3 - NOTE RAILROAD TIES



LOOKING NORTH AT EXCAVATION OF AREA #3



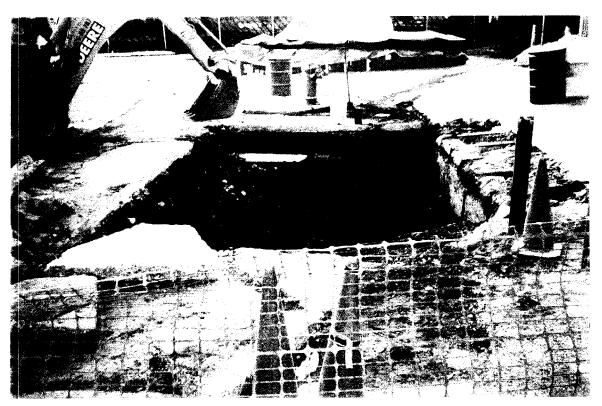
LOOKING SOUTH AT EXCAVATION OF AREA #3



REPAIR OF STORM SEWER LINE AT AREA #3



LOOKING NORTH AT EXCAVATION OF AREA #1 - NOTE RAILROAD TRACK FOUNDATION WALL



LOOKING WEST AT EXCAVATION OF AREA #1



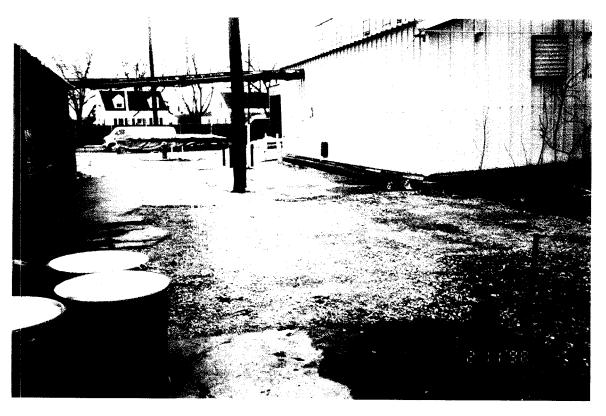
LOOKING EAST AT EXCAVATION OF AREA #1



REPAIR OF STORM SEWER IN AREA #1



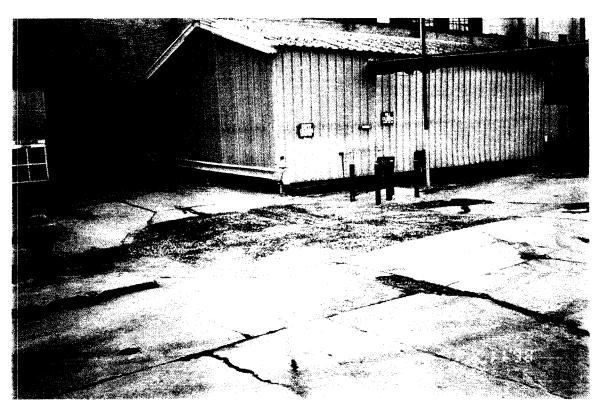
LOOKING NORTHWEST AT BACKFILL OF AREA #2 - NOTE PLASTIC SHEETING INSTALLED ALONG WEST WALL OF EXCAVATION



BACKFILLED AREA #2 - LOOKING WEST



BACKFILLED AREA #2 AND AREA #3 - LOOKING NORTHEAST



BACKFILLED AREA #1 - LOOKING NORTHEAST



ROLL-OFF STAGING AREA - LOOKING NORTHEAST



RESTORED FENCING - LOOKING EAST AT ROLL-OFF STAGING AREA

Appendix B Hazardous Waste Manifests And Certificates Of Disposal Mamifest Dog. No.: 98014

(wrater Name: Profile Mumber:

099391 80IL

State Manifest No: NYB570761 1

Is this wester a non-westewater or westewater? (See 40 CFR 268.2) Check OMS: Nonwestewater & Mestewater If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to each restriction that is applicable:

BDCs. PCBs, Acid, Metals, Cymides

1. Identify ALL UNERA hazardous wasts codes that opply to this wasts shipment, as defined by 40 CPR 261. For each wasts code, identify the corresponding subcategory, or check NONE if the wasts code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the wasto must be listed and attached.

1	5. SUBCATECORY 6. US EPA SUBCATEGORY ORSCRIPTION. 6. ANALOGUS IF NOT APPLICABLE, SIMPLY CHECK NORE		_i i	6. HOW MAST THE WAST BE MANAGED ENTER LETTE	
EP	WASTE CODE(5)	USSCRIPTION NO.	TE	PROM MELON	
-		x	_+	D	
1	F001		1	D	
2	P002	-	1		
3					
Ha: II To	ardons Consti	or D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the "F039, tuent Form" provided (CMM-2004) and check here: treeest in the waste upon its initial generation check here: X recess in the waste upon its initial generation check here: X sal USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-20			

SOM MUST THE WARTE BE HARACED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter be letter \$1, \$2, 83, 84 or D, you are making the appropriate certification as provided below. (States authorized by EPA o monage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your cartification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA

For Bazardous Debrie: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS "I certify under penalty of law that I have pursonally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED MASTES FOR WHICK THE TREATHEST STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE SAS BEEN

TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine

and imprisonment."

B.3 COOD PAITS AMALYTICAL CERTIFICATION FOR INCIDERATED ORGANICS "I carrify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the non-estewater organic constituents have be treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the normantementer organic constituents despite having used best good faith efforts to analyze for unable to detect the normantementer organic constituents despite having used best good faith efforts to analyze for such constituents. I am sware that there are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIEED WASTE REQUIRES TREATMOST FOR UNDERLYING HASARDOUS COMSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am ewere that there are significant penalties for submitting a

false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the

effective date of probibition in column 6 above. For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

RESTRICTED WAST'S CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels sort forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility needs above." "I certify under penalty of law that I personally have examined and are familiar with the weate through analysis and testing or through knowledge of the waste to support this contification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions est forth on 40 CFR 268.32 or RCRA mection 3004(d). I believe that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 HEBITALCTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information,

Signature // Date Z - C - 58

Signature // Date Z - C - 58

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (UTS) - REVERSE SIDE ACLIVERT AND CALLFORNIA LIST TREATMENT STANDARDS

.f "the waste identified on the first page of this form is described by any of the following UNERA hazardons waste codes: '001, F002, F003, F005, and all solvent constituents will not be monitored by the treater, and/or this becardons waste s subject to any prohibitions (destified as California List restrictions (40 CFR 266.32 and/or MCRA Section 3004(d)). each constituent MIST be identified below by checking the appropriate box, and this page mist accompany the shipment, a) g with the previous page of this form. If the waste code FOJ9 describes this waste, then the corresponding list of xaptitumnts must be attached. If DOO1, DOO2, DOO3 or DO12-DO43 require trustment to 268.48 standards, then the underlying basedous constituent(s) must also be attached.

sardous constituent(s) sust al	8OLVEJ	T WASTE THEATHER	T STANDARDS			
101 through F005 spent sol- ant compatituents and their	Treatment 8	tenderd	FOOI through FOO5 spent sol- vent constituents and their associated USEPA hasardons	Treatment Standard		
associated USKPA hazardous waste code(s).	Westersters	Monvestowaters	weste code(8).	WASTERSTORS	Tomestereter	
arbon tetrachloride (POO1)	0.057	6.0	Chlorobenzano (FG02)	0.057	6.0	
o-Dichiorobanzens (FOG2)	0.068	6.0	Mothylemu chlorida (7001, 7002)	0.089	30	
wetrachiorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
L,1,2-Trichlorosthens (F002)	0.054	6.0	Trichlorouthylene (rooi, FOO2)	0.054	6.0	
Trichloromonofluoromethens (FOC2)	0.020	30	1,1,7-Trichloro-1,2,2-triflu orosthane (F002)	0.057	30	

. All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater its are mg/1, nowmatewater are mg/kg.

restrictions.		be subject to the California List Treatment Standard
Restricted waste description	Prohibition	LICELLEGIIC SCHIKEL
Liquids or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix IXI	Liquid* weates: Greater than or equal to 1.000 mg/l Bouliquid westes: Greater than or equal to 1.000 mg/kg	40 CFR 268.42(a)(2) - INCIN OF FSUAS
Liquid* wastem containing Poly Chlorinated Riphenyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or F8U88 Also see 40 CFR 761.60 and .70
Liquid* wastess containing Metals	One or more of the following metals (or elements) at concentrations greater	RCRA Section 3004(d)
Note: Basardous wastes containing As, Cd, Cr, Eg, Pb, or Se must be evaluated if not characteristically hazardous for that metal	then or equal to the following: mickel and/or compounds as Mi: 114mg/1 Thalium and/or compounds as Th: 110mg/1	

* - For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquida Test from EPA manual GW-846

SUBCATROORY REFERENCE

2001:

- A. Ignitable characteristic weates, except for the 40 CFR Z61.21(a)(1) High TOC subcategory, that are menaged in non-CMA/non-CMA equivalent/non-Class I SDMA system B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are sunaged in CMR/CMR-equival
- or Class I SDMA systems.
- C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbou.
- 0002: D. Corroeive characteristic wastes that are managed in non-CMA/non-CMA-equivalent/non-Class I SOMA systems B. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.



PRESS HARD-You Are Writing Through Eight Copies (See Reverse Side for Instructions)

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mangency or sold limited and the National acapouse Center (800) 424 8002 and the is.1. Dept. of Ethicollinatival confessions, start

10 98 ...

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

Mease print or type. Do not Staple.	P.O. Box 12820, Albany	, New York 1	2212 =	orm Approved	OMB No 2050-	0039 Expires 3-30-34
UNIFORM HAZARDOUS WASTE MANIFEST	1 Generator's US EPA No. V: Y: 0!0 0 2 2 4 4	Manif Document	ment No.	2. Page 1 of		in the shaded areas ed by Federal Law.
3 Generator's Name and Mailing Address		Same			_	
5. Transporter 1 (Company Name) B: FF=16 F48 7. Transporter 2 (Company Name)	6. US EPA IC 8. US EPA IC	0045	7.24	D. Transpor E. State Tra		V.x.C0914S 100:208:9084
9. Designated Facility Name and Site Address Cwn Chemical Service 1550 Balmer Road	,		(G. State Fa	cility's ID	
Model City, NY 1410		198360	0 1 7 12. Contain) 13. 14	
11. US DOT Description (Including Proper Ship)			No. I		otal Ur antity Wt."	Voi! Waste No.
a Ra, Huzardous Wuste,	solid, NO.S., 9,,	NA3071,		Ap	OLEX.	FPA FOO
T±±, (F001, F002)			0016	MOO	020	STATE
A T D. T O R					: :	STATE
C.						EPA
			-			STATE
d.						EPA STATE
J. Additional Descriptions for Materials listed A	bove	· · · · · · · · · · · · · · · · · · ·		K. Handling	Codes for W	astes Listed Above
. 6	d	•		b	d	
15. Special Handling Instructions and Addition AETS Emargen: Re SR#417793-34		353- 23	87			
15 GENERATOR'S CERTIFICATION: I here chassified coacked marked and labeled, and are regulations and state laws and regulations. If I am a large cuantity generator if certify that I have practicable and that make selected the practicable health and the environment OR if I am a small genito me and that can afford.	 all respects in proper condition for re-program in place to reduce the vol- elmethod treatment, storage, or disp 	ir transport by high ume and toxicity of losal currently avail	way according waste generate able to me wh	to applicable ed to the degr ech minimizes	e international a ree i have determ i the present and	nd has that government the find be accommically storure investics human
Printed/Typed Name Mr. F. S. T. C.	Signajure	And -	2/	7		Mo Day 1931
T 17 Transporter 1 (Acknowledgement of Receip Printed/Typed Name S Chirt L. Silmack	t of Materials) Signature	vI S	eme	~ J	1	Mo Day /aar
O 18 Transporter 2 (Acknowledgement or Receip Printed/Typed Name R	t of Materialsi Signature					Mo Day rear
19 Discrepancy Indication Space F A C 20 Facility Owner or Operator: Certification of						

(((

((ſ

C

emerator Name: .cofile Mumbers LUCIAS AKNOSPACE

Manifest Dog. No.:

099391 80IL

State Manifest No: NYB 5663529

1. Is this waste a non-westewater or wastewater? (Som 40 CFR 168.2) Check ORS: Bonnestowater X Wastewater If this waste is subject to any California List restrictions enter the letter from below (mither A, B.1, or B.2) next to each restriction that is applicable:

HOCs. PCBs, Acid, Merials, Cymnides

1. Identify ALL UNETA hazardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check NORS if the wasts code has no subcategory. Spent solvent and code, identify the corresponding subcategory, or check NORS if the wasts code has no subcategory and leachate smullers. California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and meet 260.48 standards, then the undarlying hazardous constituent(s) present in the wasto must be listed and attached.

1	4. US EPA BAZARDOUS	5. SUBCATROURY ENTER THE SUBCATROURY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORT	ENTER THE BUBCATHOURY DESCRIPTION.			
UEP	CODE(S)	DESCRIPTION	NORE	BALLEY PELLYE		
	F001		x			
	FUGI		x	D		
2	8005			i		
3						
4	1	The Market of th	039/Im	deriving		
54	cardoos Consti	or D001, D002, D003 and D012-D043, underlying hexardous constituent(s), use the Minest Form provided (CMM-2004) and check here: **Best in the waste upon its initial years.************************************				

and check here: SOM MUST THE WARTE HE HAMAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or B) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 258.7). Please understand that if you enter the letter 81, 82, 83, 84 or D, you are making the appropriate certification as provided below. (Statos authorized by EPA to manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your cartification will be deemed to refer to those state citations instead of the 40 CFR

ditations. A. RESTRICTED MASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA

For Bazardous Debris: "This baxardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS "I certify under penalty of law that I have pursonally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 258.32 or SCRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE SAS BEEN of fine and imprisonment."

TREATED BY THAT TECHNOLOGY) "I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine

and imprisonment." B.3 COOD PAITS ANALYTICAL CERTIFICATION FOR INCIDENATED ORDANICS

"I carrify under panalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the normantemater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am sware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIESD WASTE REQUIRES TREATMENT FOR UNDERLYING HASARDOUS COMSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hexardous characteristic. This decharacterized waste contains underlying hexardous constituents that require further treatment to meet universal treatment standards. I am meare that there are significant penalties for submitting a false cartification, including the possibility of fine and imprisonment."

RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of probibition in column 6 above.

For Eazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels sort forth in Section 268.32 or RCNA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I certify under penalty of law that I personally have examined and am familiar with the weats through analysis and temting or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am oward that there are algniticant

penalties for submitting false certifications, including the possibility of a fine and imprisonment. B. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 258 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the

best of my knowledge and information. Signature / Low Marke Nanagement , Inc. - 05/96 - Form CNSI-2005-A

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (VTS) - REVERSE SIDE SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

f he waste identified on the first page of this form is described by any of the following UNKFA hazardous weste codes:

701, F002, F003, F004, F005, and all solvent constituents will not be manitored by the treater, and/or this becardous weste

8 subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section J004(d)).

8 b each constituent MIST be identified below by checking the appropriate box, and this page mist accompany the shipment,

1 g with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of

1 tituents must be attached. If D001, D002, D003 or D012-D043 require treatment to 268.48 standards, then the underlying

2 misitions constituent(s) must also be attached.

ardous constituent(s) sust al	80r457	FT WASTE TREATHER	T STANDARDS			
101 through F005 spent sol- ont constituents and their	Treatment St	tandard	FOOI through FOO5 spent sol- went constituents and their associated USEPA hazardous	Trostment Stendard		
waste code(s).	Venters	Momestewaters	waste code(s).	WASTEMBLUES	Name stewater	
arbon tetrachloride (P001)	0.057	6.0	Chlorobenzamo (F002)	0.057	6.0	
o-Dichlorobanzana (FOO2)	0_04#	6.0	Mothylene chloride (r001, r002)	0.089	30 	
wtrachiorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
.,1,2-Trichlorosthens (FOO2)	a.054	6.0	Trichlorouthylene (F001, F002)	0.054	6.0	
Trichloromonofluoromethane (FOOX)	0.020	30	i,i,2-Trichloro-1,2,2-triflu growthene (FOO2)	0.057	30	

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater its are mg/l, nommatewater are mg/kg.

CALIPORNIA LIST TREAUMENT STARL A waste must first be designated as a US restrictions.	ARDS40CFR 268.32,40 CPR 268.42 and RCMA S RPA Rexerdous waste before the waste can	be subject to the carriorant of
Restricted waste description	Problibition	Trestment Standard
Liquid or nonliquid wastes containing Enloquented Organic Compounds listed in 40 CFR 268, Appendix III	Liquid* wastes: Greater than or equal to 1.000 mg/l monliquid wastes: Greater than or equal to 1.000 mg/kg	40 CFR 268.42(a)(2) - INCIN OF FSURS
Liquid wastes containing Poly Chlorinated Niphenyls (PCBs)	Greatur than or equal to 50 ppm	40CFR 258.42(a)(1) - IMCIM or PSUBS Also see 40 CFR 751.50 and .70
Liquid* wastes containing Matals	One or more of the following metals (or elements) at concentrations greater	RCRA Section 3004(d)
Note: Basardous wastes containing As, Cd, Cr, Ng, Pb, or Se must be evaluated if not characteristically hazardous for that metal	then or equal to the following: Wickel and/or compounds as #1: 134mg/1 Thallum and/or compounds as Th: 130mg/1	

^{* -} For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquida Test from KPA menual 8W-846

SUBCATEGORY REPERENCE

- .001:
 ... Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA
- equivalent/non-Class I SDMA systems.

 B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcatagory, that are managed in CMM/CMA-equival or Class I SDMA systems.
- Bigh TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbon.

D002:

- D. Corrosive characteristic wastes that are managed in non-CNA/non-CNA-equivalent/non-Class I SONA systems
- 3. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

1990 Chemical Waste Management , Inc. - 05/96 - Form CMM-2005-A

PRESU HARD—You Are Writing Through Eight Copies (See Reverse Side for Instructions)

3-14-1 (3/89)---7f



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION:

HAZARDOUS WASTE MANIFEST

ease print or type. Do not Staple

P.O. Box 12820, Albany, New York 12212

Form Approved IDMB No. 2050-3039 Expires 3-30-3

UNIFORM HAZARDOUS WASTE MANIFEST	: Generator's US EPA No. WY.DCO 2 2 4 4 9 1:119	Manifest Document No.	2 Pa		ion in the sh quired by Fe	aded areas deral Law
Generator's Name and Mailing Address Lucius Aerosprice 211 Seward Ave Utica		ne	A. St	ate Manifest Doc NY B56 enerator's :D		2
4 Generator's Phone 315 793 - 1241				Sanc		
5 Transporter (Company Name)	6. US EPA ID Number		C. St	ate Transporter's	10 467	2377
BUFFAIOFUEL CE		15724	D. Tr	ansporter's Phon	e 96 2	43-764
7 Transporter 2 (Company Name)	8. US EPA ID Number		E. St	ate Transporter's	10	
		1 1 1 1 1 1	F. Tra	ansporter's Phon	e ()	
9. Designated Facility Name and Site Address CWM Chomical Sorvices 1550 Balmor Rd.	•			ate Facility's ID		
Model City, NY 1410	7 14,7,0,0,4,9,8,3		amers	13.	14	
11. US DOT Description (Including Proper Shipp	ping Name, Hazard Class and ID Number)	No.		Tota:	Unit	l. /aste No.
a RQ, Huzardous Waste,		,				
NA3077, III, (FOO	i, F002)	001	cn	Approx 000 20	T STA	TE
D			-		EPA	\
					STA	TE
c.				:	EPA	\
					STA	TE
3.					EPA	\
					STA	TE
J. Additional Descriptions for Materials listed A	bove		K. Ha	indling Codes for	Wastes List	ted Above
a CG 9391 FOOZ	c	• 1	a	L	С	
<u> </u>					đ	
Special Handling instructions and Additional AET'S Emorgoney # SR # 417793-5	(888) 353-2387		Ь			
16 GENERATOR'S CERTIFICATION: hereo classified datased marked and rapered and are in regulations and state laws and regulations. It am allarge quantity generator (certify that) have	 4" respects in proper condition for transport by re-program in place to reduce the volume and toxic e-method treatment, storage, or disposal currently 	rinighway accordicate of waste general available to me	rated to t	pricable internation he degree in aveight	ak and hationa termined to be i	tremment : y. Etimboropage y. Etimboropage
practicable and that inhave selected the practicable nearth and the environment, OR HII am a small gene to me and that in tan afford.					V >	
practicable and mail have selected the bracticable nearth and the environment. OR this amilia small gene to me and that coan afford. Printed/Typed Name	Signature	Ho	<u>-</u>	<u> </u>	1021	Oav Yaar OGPS
Printed-Typed Name Drait capite and in Marinary selected the practicapite health and the environment OR of tam a small gene to me and that can afford Printed-Typed Name 17 Transporter 1 (Acknowledgement of Receipt Printed-Typed Name)	Signature t of Materials) Signature	Ko ve K	n Bar	ber		06,98
PrintedTyped Name PrintedTyped Name 17 Transporter 1 (Acknowledgement of Receipt	Signature t of Materials) Signature	xe x	3ar	Gen	<u>।०२</u>	0495

20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in taminal

LUCAS AEROSPACE marator Name:

ACE MAINTENENT DOC. NO.: 980/6

...ofile Mumber:

and check here:

094391 80TL

State Manifest No: NYB 566341 2

. In this waste a non-westewater or westewater? (See 40 CFR 268.2) Check Ods: Somestewater & Westewater 7 If this wests is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to

each restriction that is applicable: BOCs, PCBs, Acid, Hert MOCs. PCBs, Acid, Metals, Cyanides

Identify ALL UNITA hazardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check NCRE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and meet 260.48 standards, then the undarlying hazardous constituent(s) present in the wasto must be listed and attached.

1	4. US EPA BAZARDOUS	5. SUBCATECORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORE	 	6. NOW MUS THE WAST BE MAKAGED
EF	COOR(S)	DESCRIPTION	POFE	MACH REPORT
-			x	D
1	F001) x	ļ D
2	P002		- -	1
3			1	
		or D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the usent Forse provided (CMM-2004) and check here:	₩039/0n	derlying

To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CWM-2005-B)

SOM MUST THE WASTE HE HAMAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter 81, 82, 83, 84 or D, you are making the appropriate certification as provided below. (States authorized by EPA to monage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these gradulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. FESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CPR Part 268 Subpart D, 268.32, or RCRA

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

8.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS If contify under penalty of law that I have personally exemined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.Z RESTRICTED WASTES FOR WHICK THE TARATHEST STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 COOD PAITH AMALYTICAL CERTIFICATION FOR INCIDENATED ORGANICS "I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the normantemater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and [have been unable to detect the nonweatewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am evere that there are significant panalties for submitting a false certification, including

the possibility of fine and imprisonment." B.4 DECHARACTERISED WASTE REQUIRES TREATMENT FOR UNDERLYING DASARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a

false cartification, including the possibility of fine and imprisonment." C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the

effective date of prohibition in column 6 above. For Bazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45." RESTRICTED MASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CPR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I curtify under penalty of law that I personally have examined and am familiar with the wasta through analysis and testing or through knowledge of the weste to support this cortification that the waste complies with the treatment standards specified in 40 CFR Part 268 Bubpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I Delieve that the information I submitted is true, accurate and complete. I am award that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS BUT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 256 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the

best of my knowledge and information, 1990 Chemical Waste Nanagement , Inc. - 05/96 - Form CM-2005-A Signature /

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (VTS) - REVERSE SIDE SCHUERT AND CALIFORNIA LIST TREATMENT STANDARDS

the waste identified on the first page of this form is described by any of the following UNKPA hazardous weste codes: "001, FU02, F003, F004, F005, and all solvent constituents will not be sonitored by the treater, and/or this becardons wester subject to any prohibitions (destified as California List restrictions (40 CFR 268.32 and/or MCRA Section 3004(d)). oach constituent MIST be identified below by checking the appropriate box, and this page mist accompany the shipment, -, owns communicates and so possition become by community one appropriate pox, and this page must accompany the aniquent, by with the previous page of this form. If the waste code roll describes this waste, then the corresponding list of pullunus must be attached. If DOO1, DOO2, DOO3 or DO12-DO43 require trustment to 268.48 standards, then the underlying matches constituent(s) must also be attached.

midous constituent(s) sust al	80LYE	T WASTE TERATHER	t e			
001 through P005 spent sol- ent constituents and their	Treatment St	tenderd	POOL through FOOS spent sol- vent constituents and their associated USEPA hasardows	Troctment Stendard		
sacciated USEPA hazardous	BanLawaters	Monwestowaters	waste code(s).	Wastemesture	Tommstewater	
Carbon tetrachlorida (POO1)	0.057	6.0	Chlorobenzano (F002)	0.057	6.0	
o-Dichlorobensene (F002)	0.08#	6.0	Mothylane chloride (7001, 7002)	0.089	30	
Patrachiorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthans (FOO2)	a.054	6.0	Trichlorosthylene (r001, F002)	0-054	6.0	
Trichloromonofluoromethans (FOG2)	0.020	30	1,1,2-Trichloro-1,2,2-triflu orouthane (F002)	0_057	30	

All spent solvent treatment standards are seasured through a total waste analysis (TCA), unless otherwise noted. Wastewater write are mg/1, nowmenteratur are mg/kg.

Restricted waste description	Prohibition	Treatment Standard 40 CFR 268.42(a)(2) - INCIN or FSUMS
guide or newliquid wastes containing Li		PRIDER OF PERSONS
CFR 268, Appendix III	on 1.000 mg/l conliquid wastes: Greater than or equal a 1.000 mg/kg	
nioricated Riphenyls (PCBs) Iquid* wastes containing Matals (containing Matals)	reater than or equal to 50 ppm ne or more of the following metals or elements) at concentrations greator than or equal to the following: ckel and/or compounds as #1: 114mg/1	40CFR 258.42(a)(1) - INCIN or FRUBS Also see 40 CFR 751.50 and .70 RCRA Section 1004(d)

* - For the definition "liquid" refer to Mathod 9095, the Paint Filter Liquida Test from KPA manual SW-846

SUBCATROORY REPERENCE

00011

- A. Ignitable characteristic wastes, except for the 40 CFR 251.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I 50MA systems
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA-equival or Class I SDMA systems.
- C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbon.

0002:

- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems
- B. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or class I SNDA systems.

1990 Chemical Waste Hanagement , Inc. - 05/96 - Form CWM-2005-A

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

NYG 0681516

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212



In case of emergency or spill immediately call the ivational nesponse Lettier (860,1 424-8802 and the 1413 Department of Environment Conseivation (510, 437-7302

	то турс от риши от нег лерге.						(Rev	v. 3/97)					
	UNIFORM HAZARDOUS 1. Generator's WASTE MANIFEST WYD DIC	US EPA No. 198	est Doc. No.	2. Page	4		heavy bold line ederal Law.						
	3. Generator's Name and Mailing Address LUCAS A EROSOACE 2.11 SEWARD AVE UTICA NY, 13502-5749				NYG 068	315	16						
	4. Generator's Telephone Number (4. Generator's Telephone Number (B. Generator's ID SAME C. State Transporter's ID 609/45 W7						
	5. Transporter 1 (Company Name) 6. US EPA ID Number N. Y. C. O. C. C. 45724 7. Transporter 2 (Company Name) 8. US EPA ID Number 9. Designated Facility Name and Site Address CLUM CHENICAL SERVICES, ING.				D. Transporter's Telephore (SCC 1203-9c, S9 E. State Transporter's ID F. Transporter's Telephone (G. State Facility ID								
	1550 BALMER RD. MODEL CITY, N.Y., 14107 11. US DOT Description (Including Proper Shipping Na	10. US EPA ID Number NY 00 4 9836	679	H. Facility	Telephone (7/6	6) 75	4- 823	/					
			1	ntainers r Type	13. Total Quantity	14. Unit Wt/Vol	l. Waste	No.					
	" RQ, HAZARDOUS WASTE, SOLIS 9, NA 3077, EFF, (FOO!	, Foo2)	001	CM	APPROX 00020	r	EPA FOC STATE	<u> </u>					
VERALUR.	U .						EPA STATE						
בול לבול ל	c .						STATE						
	d.		į				STATE						
	J. Additional Descriptions for Materials listed Above a C6 9391 F002	c	•	K. Ho	andling Codes for	Wastes Li	sted Above						
	b •	đ	•	ь		d	[
	15. Special Handling Instructions and Additional Inform		BER ((886	353 -	238	7						
-	SR # 4199	hat the contents of this consignm	ent are fully a	nd accura	tely described abo	ove by pro	per shipping na	ame					
	and are classified, packed, marked and labeled, and are national government regulations and state laws and regist I am a large quantity generator, I certify that I have a to be economically practicable and that I have selected	e in all respects in proper condition gulations: program in place to reduce the v	on for transpo	rt by highs cicity of we	way according to a	applicable	international a	and nuced					
	present and future threat to human health and the envi the best waste management method that is available to Printed/Typed Name	ronment; OR if I am a small geom	rator, I have r	made a go	ood faith effort to	minimize	my waste and s	s the select					
-	17. Transporter 1 Acknowledgement of Receipt of Mate	Medial .		<u></u>		02	129	8					
	Printed/Typed Name A COMMENT OF THE PRINTS OF Mate	Signatuse	Kio	ener	7 1	2°2	1219	rear 8					
	Printed/Typed Name	Signature				Mo.	Day Y	fear					
	19. Discrepancy Indication Space												
	20. Facility Owner or Operator: Certification of receipt Printed/Typed Name	of hazardous materials covered b Signature	y this manifes	t except a	s noted in Item 19	Mo.	Day Y	(ear					
		!			1	: [I						

Concator Mario

Profile Mumber:

LUCAS AKNOSPACE

Manifest Dog. No.: 98017

C09391 BOIL

State Manifest No: NYG 0681516

In this weste a non-masterniar or wasterstar? (Hes 40 CPR 158.2) Check ONE: Monvesterator X Masterstar Ir this waste is subject to any California List restrictions enter the letter from below (either A, H.1, or B.2) next to make restriction that is applicable:

EXCS. PCBs. Acid. Metals. Cyanides

1. Identify ALL UBSTA hazardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check RORS if the wasts code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D041 requires treatment of the characteristic and meet 260.40 standards, then the underlying hazardous convituent(s) present in the wasts must be listed and attached.

* 	4. UB KPA BAZARDOUS WASTK	5. SUBCATHOORY ENTER THE SUBCATHOORY ORSCRIPTION. IF WIT APPLICABLE, SIMPLY CHECK NORE		WARTER WARTER WARREN
•	COOR(2)	NO SECULA INC. SECULAR SECURAR		BKLOW
; ا	F001	x	ם	
2	8003	X	<u> </u> D	
3				
HA. II	zardous Comuti	or DOOI, DOO2, DOO3 and DOI2-DO43, underlying becardous constituent(s), use the "FO39/1 tuent Form" provided (CMM-2004) and obeck here: brosent in the waste upon its initial generation objeck here: X waste upon and subcategorie(s), use the supplemental sheet provided (CMM-20) and subcategorie(s), use the supplemental sheet provided (CMM-20).		y

W MUST THE WARTE BE MANAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or B) below that describes how he waste must be managed to comply with the land disposal regulations (40 CFR 258.7). Please understand that if you enter so letter 81, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States sutherized by FPA to menage the LOW program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be desimed to refer to those state citations instead of the 40 CFR instincts.

. HESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

Pur Bakardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

TI RESTRICTED WASTE TREATED TO PERFORMANCE STANDANCE

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart I and all applicable prohibitions and forth in 40 CFR 258.32 or SCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

3.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS REEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

3.3 GOOD PAITH AMALYTICAL CERTIFICATION FOR INCIDENATED CREATED CREATED and an familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the normantementar organic constituents have been treated by incineration in units operated in accordance with 40 CPR Part 264 Subpart 0 or Part 265 Subpart 0, or by

combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant panalties for substituents a false certification, including

the possibility of fine and imprisonment."

3.4 DECEMBRACTERISED WASTS REQUIRES TERMEMENT FOR UNDERLYING HASARDOUS CONSTITUENTS
"I CERTIFY under panalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

. RESTRICTED WASTE SUBJECT TO A VARIANCE
This weste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the
effective date of probibition in culumn 6 above.

Pric Bazardous Debris: "This hazardous debris is subject to the alternative trestment standards of 40 Gra Fart 268.45."

3. RASTRICTED MARKS CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land dispused without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, aturage and disposal facility nomes above." "I curtify under penalty of law that I permonally have examined and are familiar with the weath through analysis and testing or through knowledge of the wester to support this contification that the waster complime with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.12 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am every that there are significant

penalties for submitting false certifications, including the possibility of a fine and imprisonment."
WASTR IS NOT CURRENTLY SUBJECT TO PART 258 RESTRICTIONS

This wasts is a newly identified wasts that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the

tient of my knowledge and information?

Title Wike Many Cook Date 2-12-98

LAND DISPOSAL MOTIFICATION AND CHRIFICATION FURN (UTS) -REVERSE SIDE SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

the waste inentified on the first page of this form is described by any of the following UNERA hazardous waste codes: 01. F003, F003, F004, F005, and all solvent constituents will not be mentioned by the treater, and/or this becardous vesto block to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)). e each constituent will be identified below by checking the appropriate box, and this page must accumpany the shipment, with the previous page of this form. If the waste code 7030 describes this waste, then the corresponding list of mission the previous page of this rurs. If the endor tops roll quacribes this waste, then the indexlying mission that the standards, then the underlying missions were to 268.48 standards, then the underlying

nations constituent(8) suct ale	BOLVE	T WASTE TERATION	T STANDARUS			
01 through 2003 speat sol-	Treatment Standard		POOI through POOS spont sol- vent constituents and their	Treatment Standard		
whater code(s).	Wantematers	Nomentowaters	associated USEPA hazardous westa codu(s).	Wastewaters	Hommestewater	
(cbon tetrachloride (P001)	0.057	6.0	Chlorobensumo (F002)	0.057	6.0	
0-Dichlorobenzens (7002)	0_048	6.0	Methylene chloride (rooi, roox)	0.089	 30 	
Fatrachlorouthyleco (YUC1, 7002)	0.056	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0	
,1,2-Trichlorosthons (FOO2)	0.054	6.0	Trichlorosthylene (rooi, rooz)	0.054	6.0	
	0.020	30	1,1,2-Trichloro-1,2,2-triflu orowthane (FOG2)	q_057	30	

l spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater its are mg/1, nowastewater are mg/kg.

A whate must first be designated as a US	ARDS40CPR 268.32,40 CPR 268.42 and RCMA EPA Hazardous waste before the waste can	
restrictions.	Prohibition	Treatment Standard
Restricted waste description Liquid or nonliquid wester containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid' wastes: Greater them or equal	40 CFR 258_42(a)(2) - DICIN OF FILES
Liquid* wastes containing Poly Chlorinated Biphenyls (PCBs) Liquid* wastes containing Metals Mote: Basardous wastes containing As. Cd. Cr. Sg. Fb. or Se must be evaluated it not characteristically harardous for that metal	One or more of the following metals (or elements) at concentrations greater than or equal to the following: Sickel and/or compounds as Ni; 114mg/1 Thalium and/or compounds as Th: 110mg/1	40CPR 268.42(a)(1) - INCIN of PRUMB Also see 40 CPR 761.50 and .79 RCRA Section 1004(d)

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test from EPA manual 5w-846

SUBCATEGORY REFERENCE

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in our CMA/nun-CNA
- 3. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in (MA)(MA equiva) equivalent/non-Class I SDWA systems
- or Class I 8040 systems.

 2. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbon.
- 0002:
- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.
- B. Corrosive characteristic wastes that are managed in CMA, CMA-equivalent, or Class I SWDA systems.

1990 Chemical Wanta Management , Inc. - 05/96 - rock CWM-2005-A

Acas manuming are writing incough eight copies (see Reverse Side

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYG0681561

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212



Please type or print. Do not stable

	This is a print. Do not staple.				(Rev. 3/9
, S	UNIFORM HAZARDOUS 1. Generator's US EPA No. WASTE MANIFEST NYDOO224491	1 9 80 1 8	2. Page	1.	ion within heavy bold line quired by Federal Law.
7.73.	3. Generator's Name and Mailing Address LUCAS AEROSFACE	•	A.	NYCOS	81561
7	211 SEWARD AVE UTICA, U.Y. 13502-5749		B. Gener		01301
(51.5	4. Generator's Telephone Number (315) 793 -1241				SAME
2		4 57 2 L		Transporter's ID	85884DNY
3	Buffalo Fuel Carp. NYR DCOD 7 Transporter 2 (Company Narle) 8. US EPA ID Number	1 1 3 1 6 7		porter's Telephone Transporter's ID	1800 JE 57-8007
ons	Designated Facility Name and Site Address	·		orter's Telephone	()
<u>;</u>	CWM CHEMICAL SERVICES, INC.		G. State	Facility ID	
3	1550 BALMER RD. 10. US EPA ID Number		H. Facilit	y Telephone (7/	61754-8231
us	MODEL CITY, NY, 14157 NYD 0 49 8	336674	ontainers	12 7.4-1	31
		Numb	er Type	13. Total Quantity	14. Unit Wt/Vol I. Waste No.
5	· RQ, HAZARDOUS WASTE, SOLID, V.O.S.	. ,		APPROX	EPA FOO!
	9, NA 3077 III (FOOL, FOOZ)	,	ICM	00020	
Depc	b. , , , , , , , , , , , , , , , , , , ,				EPA
SENERATOR		:			STATE
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3					EPA
-88	J. Additional Descriptions for Materials listed Above				STATE
4	. CG 9391 FOOZ .		K. H	andling Codes for	Wastes Listed Above
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١	b d	• :	ь		
3	15. Special Handling Instructions and Additional Information	2 = 2 / 2	2 2	2500	207
Sus	AETS EMERGENCY RESPONSE NUN	10 CK (8	88).	333-2	38/
2	5R + 419962-2				
2	16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this co and are classified, packed, marked and labeled, and are in all respects in proper national government regulations and state in	onsignment are fully of condition for transpo	and accura ort by high	tely described abo way according to	ove by proper shipping name applicable international and
0001171	If I am a large quantity generator, I certify that I have a program in place to redu	ce the volume and to	wiciby of w	arta constated to	Aba dana da baran 1 baran da
<u>ج</u>	present and future threat to human health and the environment: OR if Lam a sm	t treatment, storage,	or disposal	currently availab	المراوية والماكنة والمنطون محممه والما
SAT The	the best waste management method that is available to me and that I can afford Printed/Typed Name Signorus	11 11	3		
	MKHAZ CIENTON Middle			_	Mo. Day Year 2 58
e dia	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name				
r spiń mmedialen, TRANSPORTER	LEON GUILIANI BEON	Muil	lin	ė. K	2 1/219 Year
or spiñ. TRANS	18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name Signature				
5	Signature Signature			1	Mo. Day Year
96	19. Discrepancy Indication Space			<u></u>	
Einergeine,					
کلا	20. Facility Owner or Operator: Certification of receipt of hazardous materials co	overed by this manife	st except a	s noted in Item 19	9.
case	Printed/Typed Name Signature				Mo. Day Year
: [_]				1	1 1 :

Cornerator Namm: i office Mumbers

listed and attached.

LUCAN AKROSTACE

Manifest 200 Ho .: 980/8

009391 BOIL

State Manifest No: NYG0681561

. In this wester a non-westernature or wasternature? (809 40 CFH 158.2) Check OM: Monwesternatur X Wasternatur

.. If this waste is subject to sny California List restrictions enter the letter from below (either A, B.1, or B.2) next to -unh restriction that is applicable:

PCBs, Acid, Metals, Cyanions KKK. Identify ALL UBERTA homerdous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste costs, identify the compeeponding subcategory, or check NONE if the wasta code has no subcategory. Spent solvent and California Dist treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and must 260.40 standards, then the underlying hazardous constituent(s) present in the wasts must be

ا ا إ د	4. US EPA BAZARDOUS WASTE	5. SUBCATECORY ENTER THE SUBCATE-TORY OF SCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NOWN		6. NOW HUST THE WASTE BE WARNESD?	
	CODE(5)	UESCRIPTICM	CM.K	PACH BETOM	
3	r001		x	פ	
2	7002		x	D	
3				l	

to Identify 7019 or D001, D012, D003 and D012-D043, underlying bezardon a constituent(a), use the 7019/Underlying "darardous Constituent Form" provided (CMM-2004) and check here: If no UNCs are present in the waste upon its initial generation check here: X To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Com-2005-B) and chuck here:

M MUST THE MARTH HE MAKAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or B) below that describes now the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter 81, 82, 83, 84 or D, you are making the appropriate certification as provided below. (States authorized by KPA manage the LON program may have regulatory citations different from the 40 CFR citations listed below. Where these quistory citations differ, your contification will be decemed to refer to those state citations instead of the 40 CPR

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subport D, 268.32, or RCRA Section 3004(d).

For Bakardous Debriu: "This baxardous debria is subject to the alternative treatment standards of 40 CFR Part 268.45."

1 RESTRICTED WASTE THEATED TO PERFORMANCE STANDARDS

- "I cwrtify under penalty of law that I have personally exemined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or ACRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a Talee certification, including the possibility of fine and imprisonment."
- B.Z RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECENOLOGY)
 - "I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am aware that there are eignificant penalties for submitting a false certification, including Use possibility of fine and imprisonment."
- B.3 COOD PAITS ANALYTICAL CERTIFICATION FOR INCIDENTATED CROAMICS
 - "I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the norwantewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and [bave been unable to detect the nonwestewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- 8.4 DRCHARACTERISED WASTE REQUIRES TRRATHERT FOR UNDERLYING HASARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to rymove the hazardous characteristic. This decharacterized wasts contains underlying hemardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a
- false certification, including the possibility of fine and imprisonment." C. RESTRICTED WASTE SUBJECT TO A VARIANCE
 - This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.
- For Earardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."
- RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste meets all applicable trustment standards set forth in 40 CFR Part 268 subpart D, and all applicable prohibition levels set forth in Section 268.32 or SCRA Section 3004(d), and therefore, can be land disposed
 - without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility never above." "I curtify under penalty of law that I personally have examined and am familiar with the weate through analysis and testing or through knowledge of the weste to support this contification that the waste complies with the treatment standards specified in 40 CPR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I
- Delieve that the information I submitted is true, accurate and complete. I am oware that there are significant
- penalties for submitting false certifications, including the possibility of a fine and imprisonment." WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESIDENCE

This waste is a newly identified waste that is not currently subject to any 40 CTR Pert 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge, and information;

signature Title Eur Rower on Coc Date 2-12-98

1990 Chemical Waste Management, Inc. - 05/96 - Park CM-2005-A

LAND DISPOSAL MOTIFICATION AND CHRIPICATION FORM (UTS) -MKYKRSS SIDE

SOLVERT AND CALLPOINGTA LIST TREATMENT STANDARDS

the waste identified on the first page of this form is described by any of the following USEPA Maxardous waste codes: OCI, FUOZ, FOOJ, FOOJ, FOOS, and all solvent constituents will not be sonitored by the treater, and/or this becardous wester subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 1004(d)). neah constituent must be identified below by checking the appropriate box, and this page must accompany the shipmen of the previous page of this form. If the waste code rolly describes this waste, then the corresponding list of official must be attached. If DOO1, DOO2, DOO3 or DO12-DO4) require treatment to 268.48 standards, then the underlying

middle constituent(s) must all	BOKYEN	T WASTR THEATHER	T STANDARUS			
101 through 2005 specit sol-	Truatment Standard		POOL through FOOS apont sol- vent constituents and their associated USEPA hazardous	Treatment Standard		
maste code(s).	Washawaters	HOMMASERVATER	waste code(#).	Yas terrature	NOR WE STANKER	
arbon tetrachloride (POOI)	0.057	6.0	Chlorobenzana (F002)	0.057	6.0	
o-Dichlorobenzene (F002)	0.088	6.0	Methylene chiorida (r001, r002)	0.089	i 30	
Tetrachlorouthylene (F001, F002)	0.056	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0	
.,1,2-Trichlorosthans (F002)	0.054	6.0	Trichloronthylene (r001, F002)	0.054	6.0	
rrichloromonofluoromethane (F002)	0.020	30	1,1,2-Trichloro-1,2,2-triflu orowthane (FOO2)	0.057	30	

I spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater its are mg/1, nowastewater are mg/kg.

A waste must first be designated as a U8	ARDS40CPR 268.32,40 CPR 268.42 and RCMA RPA Rexardous wasts before the waste can	be amjece to an aman
restrictions.	Prohibition	Treatment Standard
Rostricted waste description Liquid or nonliquid wastes containing	Liquid wastes: Creater than or equal	40 CFR 268.42(a)(2) - INCIN OF FSURS
Halogenated Organic Compounds listed in 40 CFR 258, Appendix III	Monliquid wastes: Greater than or equal to 1.000 mg/kg	
Ilquid wastes containing Poly Chlorinated Biphunyls (PCBs)	Greater than or equal to 50 ppm	40CPR 268.42(a)(1) - IMCIM or FSUBS Also see 40 CFR 761.60 and .70
Liquid wastes containing Matals	One or more of the following metals (or elements) at concentrations greater	RCHA Section 1004(d)
Motor Baxardous wastes containing As, Cd, Cr, Eg, Pb, or Be must be evaluated if not characteristically hazardous for that metal	then or equal to the following: Wickel and/or compounds as Ni: 134mg/l Thalium and/or compounds as Th: 130mg/l	

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test trom EPA maqual SW-846

BUBCATEGORY REFERENCE

- A. Ignitable characteristic wastes, except for the 40 CFR 251.21(a)(1) High TDC subcategory, that are managed in non-CWA/non-CWA squivalent/non-Class I SDWA systems
- 3. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA-equival or Class I SDWA systems.
- C. High TOC Ignitable characteristic liquids sub stegory based on 40 CFR 261.21(x)(1) Greater than or equal to 10% total organic carbon.
- D002:
- D. Corroelve characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SOWA mystoss.
- B. Corrosive characteristic wastes that are managed in CMA, CMA-equivalent, or Class I SWDA systems.

1990 Chemical Waste Management , Inc. - 05/96 - Focus CMM-2005-A

PRESS HARD-You Are Writing Through Eight Copies (See Reverse Side)

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

NYG0681525

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212



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n case ... umerg...., or sp

	se type or print. Do not stople.						(Rev. 3/97)	
	WASTE MANIFEST W Y D C O Z		Doc. No.	2. Page	4		heavy bold line ederal Law.	
	3 Generator's Name and Mailing Address LUCAS AEROSPACE ZII SEWARD AVE	•		A.	NYG 06	815	25	
	4. Generator's Telephone Number (315) 793 = 5. Transporter 1 (Company Name) 6.	124/ US EPA ID Number		8. Gener		AME	275md	
	7 Transporter 2 (Company Name) 8.	D. Transporter's Telephone (SCA) 677403 E. State Transporter's ID						
				F. Transp	orter's Telephone	()		
	9. Designated Facility Name and Site Address CWM CHEMICAL SERVILES 1550 BALMER RD.	INC.			Facility ID			
	MODEL CATY, N.Y. 14107 N	Y D 0498364	79	H. Facilit	y Telephone (7 /	6)75	4-8231	
	11. US DOT Description (Including Proper Shipping Name,	Hazard Class and ID Number)		ontain e rs	13. Total	14. Unit	i !	
	- 00 447 00 046		Numb	er Type	Quantity	Wt/Vol	1. Waste No.	
	9, NA3077, III, (FOOL)		o c	1 CM	APPROX 00020	1	STATE	
<u> </u>	b.		1			 	EPA	
NE KAI					:		STATE	
פבו	c .						STATE	
	d.						STATE	
	J. Additional Descriptions for Materials listed Above			KH	landling Codes fo	r Waster I	isted Above	
	. C69391 F∞2 .	c	•	a	L] [
	b . •	d	• ,	ь]		
	15. Special Handling Instructions and Additional Information AETS EMERGENCY RESPO	NSE NUMBE	R (8	388)	353-23	87		
	5R419969	2 —	_	•				
	16 GENERATOR'S CERTIFICATION: I hereby declare that and are classified, packed, marked and labeled, and are in national government regulations and state laws and regulat	all respects in proper condition t	are fully or transp	and accure ort by high	ately described ab away according to	applicable	oper snipping name a international and	
	If I am a large quantity generator, I certify that I have a pro- to be economically practicable and that I have selected the	gram in place to reduce the volu practicable method of treatment	storage,	or dispose	al currently availa	ble to me	which minimizes the	
	present and future threat to human health and the environmenthe best waste management method that is available to me Printed/Typed Name		dr, i nave	7		Mo.	Day Year	
_	Michael GLARAN	Medical L	Ka	21		02	1388	
KIEK	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/yeed Name	Signature	//-			Mo.	Ogy C You'	
2	18. Transporter 2 Acknowledgement of Receipt of Materials	Ely 1	ر. س	1		6	1975	
2	Printed/Typed Name	Signature				Мо	Day Year	
	19. Discrepancy Indication Space							
=	20 Encility Owner or Operator Contification of assert of the	manada a manada la cara a 11 a c						
4	20. Facility Owner or Operator: Certification of receipt of h Printed/Typed Name	Signature	nis manih	esi excepi	us noted in Item	Mo.	Day Year	

HTWIFATOR HAME: LUCAS ACCORPACE

MADI FORT DOC. NO.: 98020

eroflin Number:

099391 80TL

State Manifest No: NY 40681525

[. In this waste a non-west-water or wastewater? (8FM 40 CFR 258.2) Check ORX: Bonwastewater X Wastewater If this waste is subject to any California List restrictions enter the letter from below (wither A, B.1, or B.2) next to each restriction that is applicable:

ECCs, PCBs, Acid, Metals, Cyanides

J. Identify ALL USKTA hasardous waste codes that apply to this waste shipment, as defined by 40 CPR 261. For each waste code, identify the curresponding subcategory, or check MCRS if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If POJ9, multi-source leachate applies those constituents must be listed and attached by the generator. If DOO1, DOO2, DOO3 or DO12-DO43 requires treatment of the characteristic and must 250.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

JEP	1. US REA BALARDOUS WASTE	5. SUBCATROORY ENTER THE SUBCATROORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORE	6, NOW HUST THE WASTE BE HASAGED	
•	∞02(5)	DESCRIPTION FORK	PROM BELOW	
1	P001	x	D	
2	B005	x	D	
3				
4	1	or D001, D002, D003 and D0(2-D043, underlying bezardous constituent(s), use the "F039/Un		

To identify P039 or D001, D002, D003 and D012-D043, underlying bezardous constituent(s), use the "F039/Underlying Bazardous Constituent Form" provided (CMM-2004) and obeck here:
If no UBCH are present in the waste upon its initial geometrion obeck here: X
To list additional UBEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-2005-B) and check here:

HOW MUST THE MASTE BE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or B) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 258.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATHERT

This waste must be treated to the applicable treatment standards set forth in 40 CPR Part 268 Subject D, 268.32, or RCRA Section 3004(d).

For Rakardous Debris: "This baxardous debris is subject to the alternative treatment standards of 40 CVR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and main tained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 768.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for summitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under punalty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am aware that there are significant penalties for submitting a false certification, including Use possibility of fine and imprisonment."

B.J COOD PAITH AMALYTICAL CERTIFICATION FOR INCIDERATED ORGANICS

"I contify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the nonwestewater organic constituents have been treated by incinetation in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by costustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwestewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant panalties for submitting a false cartification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIESD WASTE REQUIRES TREATMENT FOR UNDERLYING HARARDOUS CONSTITUENTS

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying becardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective data of prohibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.47."

PRESTRICTED MAGTE CAN BE LAND DISPOSED WITHOUT FURRER TREATMENT

"I have determined that this waste meets all applicable trustment standards set forth in 40 CPR Part 268 Subport D, and
all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed
without further treatment. A copy of all applicable treatment standards and specified treatment methods is
maintained at the treatment, storage and disposal facility number above." "I curtify under penalty of law that
I personally have examined and an familiar with the weats through analysis and testing or through knowledge of
the weste to support this curtification that the weats complies with the treatment standards specified in 40 CPR Part
268 Subport D and all applicable prohibitions set forth on 40 CPR 268.32 or RCRA section 3004(d). I
believe that the information I submitted is true, accurate and complete. I am aware that there are significant

penalties for submitting false certifications, including the possibility of a fine and imprisonment."

R. WASTE IS SOT CURRENTLY SUBJECT TO PART 268 ASSIBLICTIONS

This waste is a newly identified whate that is not currently subject to any 40 CYR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Fittle EVI Found took Date 2-13-58
1990 Chemical Waste Management, Inc. - 03/96 - Park CM-2005-A

LAND DISPOSAL MOTUPICATION AND CERTIFICATION FORM (UTS) - REVERSE SIDE BOLVERT AND CALLPOROGA LIST TREATHERT STANDARDS

f the weste identified on the first page of this form is described by any of the following UNERA hexardons waste codes: FIG. MGG2, MGG3, MGG4, MGG5, and all solvent constituents will not be monitored by the treater, and/or this barardons wasto subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)). u each constituent wint be identified below by checking the appropriate box, and this page must accompany the shipment, and this page must accompany the shipment, and this page of the corresponding list of any with the previous page of this form. If the waste code rolly describes this waste, then the corresponding list of compared to attached. If DOOI, DOOZ, DOOI or DOIZ-DO43 require treatment to 268.48 standards, then the underlying

sactions constituent(s) suct al	900.427	TO WASTE TEXATION	T STANDAROS		
701 through P005 spent sol- Vent competitions and their Treatment Standard		POOI through YOOS sport sol- vent constituents and their associated USEPA hazardous	Treatment Standard		
Anadolataki UBWPA haxardova Westa codo(a).	Wastestare	Hummatowatura	waste codu(e).	Was terreture	Tonwestewater
larbon tetrachlorida (POO1)	0.057	6.0	Chlorobecemo (FCC2)	0.057	6.0
o-Dichiorobenzene (7002)	BPO_O	6.0	Methylane chlorida (r001, r002)	0.089	30
Twirschlorosthylene (FOOI, FOOI)	0.056	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
1,1,2-Trichlorosthens (FOG2)	0.054	6.0	Trichlarosthylene (F001, F002)	0_054	6.0
Trianlaromenoficoremethana (FOO2)	0.020	30	1,1,2-Trichloro-1,2,2-triflu orouthane (FOO2)	0.057	30

li apent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater nits are mg/1, nowmatewater are mg/kg.

CALIFORNIA LIST TREATMENT STAND A waste must first be designated as a US restrictions.	ANDS-40CFR 268.32,40 CFR 268.42 and RCKA RPA Raxardous waste before the waste can	be subject to the California bisc
Restricted waste description	Probibition	Treatment Standard
Liquid or nenliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid wastes: Greater then or equal	40 CFR 268.42(a)(2) - INCIN OF PSURS
Ilquid wastes containing Poly Chlorinated Biphwnyls (PCBs)	Greater than or equal to 50 ppm	40CPR 258.42(a)(1) - IMCIF or PSUSS Also see 40 CFR 751.50 ap70
Liquid* wastes containing Metals Note: Harardous wastes containing As. Cd. Cr. Ed. Pb. or Se must be	One or more of the following metals (or elements) at concentrations greator then or equal to the following: sickel and/or compounds as Ni: 134mg/l Thallum and/or compounds as Th: 130mg/l	RCRA Section 3004(d)

^{* -} For the definition "liquid" refer to Method 9095, the Paint Filter Liquids Test from SPA menual GM-846

SUBCATEGORY REFERENCE

00011

- A. Ignitable characteristic westes, except for the 40 CPR 251.21(a)(1) High TOC subcategoxy, that are managed in non-CWA/non-CWA equivalent/non-Class I SDMA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are menaged in CMA/CMA-equival
- or Class I 80% systems.

 C. High TOC Ignitable characteristic liquids subcontegory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbon.
- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.
- B. Corrosive characteristic wastes that are managed in CMA, CMA-equivalent, or Class I SMDA systems.

1990 Chumical Waste Management , Inc. - 05/96 - rock CMM-2005-A

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

NYG 0681579

HAZARDOUS WASTE MANIFEST



P.O. Box 12820, Albany, New York 12212

	_	LIANTE COMMITTEE STORIES					(Rev. 3/97)			
		UNIFORM HAZARDOUS 1. Generator's US EPA No. WASTE MANIFEST N. Y.D. O. O. 2. 2.44911980		2. Page	1	ation within equired by F	heavy bold line			
57.7		LUCAS A ERO SPACE		^ NYG 0681579						
§) uo		UTICA, N.Y. 13502-5/49 4. Generator's Telephone Number (315) 793-124/	8. Generator's ID SAME							
o		7 Transporter 2 (Company Name) 8. US EPA ID Number 7 Transporter 2 (Company Name) 8. US EPA ID Number 8. US EPA ID Number	724		Transporter's I		5 2			
S)		7 Transporter 2 (Company Name) 8. US EPÀ ID Number		D. Transporter's Telephone (90) 209 70 99 E. State Transporter's ID						
Cons		9. Designated Facility Name and Site Address			orter's Telephon	• ()				
*ندو		ISSO BALMER PO. 10 USERVICES, THE			Facility ID					
muo,		MODEL CITY NY 14107 NY DOH 98366 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	79			16) 75	4-8231			
120			1	ntainers Ir Type	13. Total	14. Unit.				
o to		· RQ, HAZARDOUS WASTE, SOLID, N. U.S.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	APPRO	W1/V01	I. Waste No.			
•	~	9, WA 3077, III, (FOOI, FOO2)	00	ICM	0002	, .	STATE			
5 Der	GENERATOR						EPA STATE			
•••	GENE	C.				+	EPA			
th bu			: ;				STATE			
č		d.					EPA			
1 1 1987			1		:		STATE			
24.8		J. Additional Descriptions for Materials listed Above	`	K. Ho	andling Codes fo	r Wastes Lis	ted Above			
;		. C6 9391 FOOZ .	•		L] .				
)er (8		b d		ь] _				
(******		15. Special Handling Instructions and Additional Information AETS EMERGENCY RESPONSE NUMBER	(8)	BB) 3	353-23	87				
suoc		5R#Y19969-1								
		16. GENERATOR'S CERTIFICATION: I hereby declare that the contact of the	re fully ar	nd accurat	ely described ab	ove by prop	er shinning name			
tionc	1	national government regulations and state laws and regulations	riunspoi	i by nighw	ay according to	applicable in	nternational and			
2	ı	If I am a large quantity generator, I certify that I have a program in place to reduce the volum to be economically practicable and that I have selected the practicable method of treatment, s present and future threat to human health and the environment: OR if I am a small generates	e and tox	icity of wa	ste generated to	the degree	I have determined			
=		present and future threat to human health and the environment; OR if I am a small generator the best waste management method that is available to me and that I can afford.	; I have m	ade a go	od faith effort to	ninimize m	y waste and select			
llo		Printed/Typed Name Signgun	W	7		Mo.	Day Year			
	-	17. Transporter 1 Acknowledgement of Receipt of Materials	to.			021	398			
medi	*	Printed/Types Name Signature,	سر (
1 0		TTGITLY KIGAIN LIGHT	of w	enc	~ I	^{Mo} ス1	Day 19 Year			
7	2	18. Transporter 2 Acknowledgement of Receipt of Majerials Printed/Typed Name Signature	1		<u> </u>	<u>~1</u> _				
ا ة -	\perp				1	Mo. 	Day Year			
-merc		19. Discrepancy Indication Space								
EACH TY		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this			·					
SOS	-	Printed/Typed Name Signature	inanifest	except as	noted in Item 19	7. Mo.	Day Year			
5						, 1 10.	Day Year			
-					1	1	ī			

" merator Same:

LUCAS AKNOSTACE

ofile Mumber:

009391 80TL

State Manifest No: NYG0681579

. In this waste a non-westernor or westerator? (800 40 CFR 168.2) Check OMS: Monvestorator & Mastowator 2. If this waste is subject to any California List restrictions enter the letter from below (sither A, B.1, or B.2) next to each restriction that is applicable:

BCCs. PCBs. Acid. Metals. Cyanions

1. Identity ALL UNITA hardous waste codes that apply to this waste shipment, as defined by 40 CPN 261. For each waste code, identity the curresponding subsettedory, or check RORK if the wasta code has no subcategory. Spent solvent and California List treatment standard are listed on the following page. If F039, multi-source leachate applies those commatitioents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and meet 260.40 standards, then the undarlying hazardous constituent(s) present in the waste must be listed and attached.

GP	4. UB BE A BAZARCKOUS WASTE	5. SUBCATROURY ENTER THE SUBCATROURY DESCRIPTION. IF HOT APPLICABLE, SIMPLY CHECK NOWE		6. NOW HUS THIS WASTE BY MANAGED
• •	0008(4)	USACRIPTION	arcang.	ABOM BRIOM MAIN PALLE
1	P001		x	D
ec 2	P002		<u>x</u>	
3				ļ
_ 4 ∫	Identify 7039 or 0001, 000	2. DOOJ and DO[2-DO4], underlying bezardous constituent(a)	, use the "F019/7m	darlying

If no URCs are present in the waste upon its initial generation check hare: X

To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-2005-B) and chuck here:

HOW MUST THE WASTE HE MAXAGED? In column 6 above, enter the letter (A, B1, W2, B3, B4, C, D or B) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter Bl, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States sutherized by EPA > manage the LUM program may have regulatory citations different from the 40 CFR citations listed below. Where these sgulatory citations differ, your certification will be downed to refer to those state ditations limited of the 40 CPR ditations.

A. RESTRICTED WASTE REQUIRES TREATHERT

This waste must be treated to the applicable treatment standards out forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Rakardoos Debris: "This baxardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

all restricted waste treated to performance standards

- "I cwrtify under penalty of law that I have personally exemined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 258.32 or RCFA Section 3004(d) without impermissible dilution of the prohibited waster. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- .2 RESTRICTED WASTES FOR WRICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
 - 'I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am award that there are significant penalties for submitting a raise certification, including the possibility of fine and imprisonment."
- 1.3 COOD PAITH AMALYTICAL CERTIFICATION FOR INCIMERATED ORGANICS
- "I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the norwastewater organic constituents have been treated by incineration in units operated in eccordance with 40 CPR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonweatewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that those are significent panalties for submitting a false certification, including the possibility of fine and imprisonment."
- B.4 DECHARACTERISED WASTE REQUIRES TREADMENT FOR UNDERLYING HASARDOUS CONSTITUENTS

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to rumove the hazardous characteristic. This decharacterized waste contains underlying hexardous constituents that require further treatment to meet universal treatment standards. I am mears that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national dapacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of probibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR part 268.45."

RESTRICTED MASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CPR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility remains above." "I curtify under panalty of law that I personally have examined and am familiar with the weate through analysis and testing or through knowledge of the weste to support this contification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d), 1 believe that the information I submitted is true, accourate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS NOT CURRENTLY BUBLECT TO PART 268 HENTHICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I heraby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information

Signature Madde State Management, Inc. - 03/96 - Para CHM-2005-A

LAND DISPOSAL MOTEFICATION AND CERTIFICATION FORM (UTS) -REVERSE SIDE

SOLVXNT AND CALLFORDITA LIST TREATHERT STANDARDS

in the waste identified on the first page of this form is described by any of the following UBERA hazardous waste codes: 7001, 9002, 9003, 9004, 7005, and all solvent constituents will not be somitored by the treater, sod/ur this becardous wester is subject to any prohibitions identified as California List restrictions (40 CPR 268.32 and/or RCRA Section 3004(d)). to each constituent MUST be identified below by checking the appropriate box, and this page most accompany the shipment, a my with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of multiumnts must be attached. If D001, D002, D003 or D012-D043 require trustment to 268.48 standards, then the underlying be enclose constituent(s) must also be attached.

sections constituent(s) must al	80L V2J	T WASTER TEXACHORY	T STANDAROS				
Oct through POOS spent sol-	Treat=nt 8	tandacd	POOI through PSSS spont sol- vent constituents and their associated USEPA hazardous	Trestment Standard			
menciated UBEPA hazardous waste code(s).	Wasters Monvestmature		waste code(s).	Was theaters	Monwest water		
Carbon tetrachlorida (2001)	0.057	6.0	Chlorobenzana (F002)	0.057	6.0		
n-Dichlorobensens (F002)	O_OAB	6.0	Mothyluna chlorida (rool, rooz)	0.089	30		
Tetrachiorouthylace (7001, 7002)	0.056	6.0	1,1,1-Trichlorosthams (FOO1, FOO2)	0.054	6.0		
1,1,2-Trichlorosthens (FOO2)	0.054	6.0	Trichlaroethylene (rooi, POO2)	0.054	6.0		
Trinhlarosomofluor ====================================	0.020	30	1,1,2-Trichl'uro-1,2,2-triflu orowthane (7002)	0.057	30		

all spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater nits are mg/1, nowastewater are mg/log.

CALIFORNIA LIST TREATMENT STARL A weste must first be designated as a US restrictions.	ABUS-40CFR 268.32,40 CFR 268.42 and RCKA BERA Haxardous waste before the waste can	be subject to the California List
Rustricted waste description	Probibition	Treatment Standard
Liquid* or nonliquid wester containing Halogonated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid wastes: Creater than or equal to 1.000 mg/l Bonliquid wastes: Greater than or equal to 1.000 mg/kg	40 CFR 268.42(a)(2) - INCIN or PSURS
Liquid* wastes containing Poly Chlorinated Biphenyls (PCBs)	Greater than or equal to 50 ppm	40CPR 256.42(a)(1) - INCIN or FSUBS Also see 40 CFR 761.50 and .70
Liquid* wastes containing Matals Note: Barardous wastes containing As. Cd., Cr. Hg. Pb. or He must be evaluated if not characteristically hazardous for that metal	One or mura of the following metals (or elements) at concentrations greater than or equal to the following: Mickel and/or compounds as #1: 134mg/l Thalium and/or compounds as Th: 130mg/l	RCRA Section J004(d)

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test from EPA manual 6W-846

SUBCATEGORY REPRESENCE

11000

- A. Ignitable characteristic wastes, except for the 40 CPR 261.21(a)(1) High TOC subcategory, that are managed in non-CWA/DCD-CWA equivalent/non-Class I SDMA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA equival or Class I 309A systems.

 C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbon.
- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.
- 8. Corrosive characteristic wastes that are managed in CMA, CWA-equivalent, or Class I SMDA systems.

1990 Chumical Wante Management , Inc. - 05/96 - Your CMM-2005-A

STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany New York 12212

UNIFORM HAZARDOUS 1. Generator's	_ ***	nifest	2.	Page 1 I	nformat	tion in t	he shaded areas
	4244711198	37070	ļ	<u></u>			by Federal Law.
3 Generator's Name and Mailing Address			A. S	State Manif	est Do	ilment	80 1
4 Generator's Phone (215) 772-1241				Generator's		To Co	<u> </u>
5. Transporter 1 (Company Name)	6. US EPA ID Number			State Transi		iD L	6737 14
BUFFALO FICK CORP	MYROGOOYS	1724		ransporter'			U 200-908
7. Transporter 2 (Company Name)	8. US EPA ID Number			State Transp			
Designated Facility Name and Site Address	10. US EPA ID Number			ransporter'		e ()
9. Designated Facility Name and Site Address CWM COTMICAL VICES, TA 1550 BALMER PD	JCO. GO E. A IO Mailloel			State Facilit			
M CCL CITI, NV. 14107	MY D04 9 8 36			acility's Ph	75 4	- 8	231
11. US DOT Description (Including Proper Shipping Name, Haz		12. Cont		Tota	1	14 1 Unit Wt/Voi	i.
a RO, MAZICO US WALTE, SOLIC	, M.O.S.,	119.	-1.7ME-	Quanti () (P:-	*	************	EPA
7, NA 3077, IFT, (FOOL, F	(Z)	1091	C ~	993	20	T	STATE
b.		-		1 2 2 2			EPA
			1	<u> </u>	:		STATE
С.					-		EPA
					1	ļ	STATE
d.			•		+		EPA
			1		ì		3'A'Z
J. Additional Descriptions for Materials listed Above			К. Н	andling Co	des for	Wastes	1 c sted 4 <u>50ve</u>
a CG 4341 FOOZ 1 0	ì	, ,	a		4	_	Ţ,
				,			
b d			ь		- 1	3	
15. Special Handling Instructions and Additional Information ACTS WELL WILLIAM OF NOTE	- M322 ((0) 7	<u> </u>	- 23%	7		
R# 417727-3		-					
16. GENERATOR'S CERTIFICATION: I hereby declare that the	contents of this consignment are ful	ly and accura	ately de	scribed above	e by proi	Der in Le	ong where disce
regulations and state laws and regulations.	oper condition of transport by rings	way accordin	ig to at	oplicable inte	rnationa.		• Save Cent
If I am a large quantity generator, I certify that I have program in place practicable and that I have selected the practicable method treatment nearth and the environment, OR if I am a small generator, I have made to me and that I can afford	to reduce the volume and toxicity of it, storage, or disposal currently avail a good faith effort to minimize my wi	waste genera able to me w aste and sele	ited to t hich mi ct the b	the degree I h inimizes the p lest waste ma	ave dete present a inageme	rmine i Indii Jak	ormania i programa. Montro de la compania i programa i programa. Montro de la compania i programa i programa.
Printed/Typed Name	Signature	11				· · · ·	• -
Marie overtial	Hedre &	18 M	<u>: بعر</u> ،			!	1 471
17. Transporter 1 (Acknowledgement of Receipt of Materials) : Printed/Typed Name	1						
Dave Barber	Signature	1	a	ber		_ <u>10</u>	30498
18. Transporter 2 (Acknowledgement or Receipt of Materials) Printed/Typed Name	Signature	· ·					
	Signature					ı	r Day Year
19. Discrepancy Indication Space						i	
20. Facility Owner or Operator: Certification of receipt of hazard	dous materials covered by this	manifest e	xcept	as noted in	Item *		
Printed/Typed Name	Signature					ų,	u Dav rear
	1					1	1 1 1

LUCINS ANDIOSPACE

Manifest Dog. So.: 98006

State Manifest Mo: NYB 5022981

HOME TOT NAME: Profile Susbert

099391 SOIL

Homestowater & Mastewater

Is this waste a con-westewater or wastewater? (800 40 CFR 258.2) Check ORE: If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to much restriction that is applicable:

MOCs. PCNs, Acid, Metals, Cysnides
1. Identify ALL USETS hazardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check NORE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and most 260.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

PORP	4. US EPA BAZARDOUS BAZARD		6. NOW MUST THE WASTE BE MANAGED? ENTER LETTER
•	CODE(5)	USSCRIPTION BOWS	·
` 	P001	x	ם
2	9002	X	0
3			
Bau II To	ardons Commt:	or D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the "F039/Gituent Form" provided (CMM-2004) and check here: or esent in the waste upon its initial generation check here: X one D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the "F039/Gituent (s), use the supplemental sheet provided (CMM-200) and USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-200)	

SOM MUST THE WASTE BE HARACHED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 258.7). Please understand that if you enter the letter \$1, \$2, \$3, \$4 or 0, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LOR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be dessed to refer to those state citations lasteed of the 40 CPR ditations.

A. RESTRICTED MASTE ERQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d). For Maxardous Debris: "This baxardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

8.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and main tained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or NCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED MASTRE FOR WEICH THE THEADSENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN

TREATED BY THAT TECHNOLOGY)

"I certify under panelty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are eignificant punalties for submitting a false certification, including the possibility of fine

and imprisonment."

8.3 COOD PAITE AMALYTICAL CERTIFICATION FOR INCIMERATED ORGANICS "I cartify under papalty of law that I have personally examined and as familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my impury of those individuals immediately responsible for obtaining this information, I believe that the normanisater organic constituents have be treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fund substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonmentementer organic constituents despits having used best good faith efforts to smalyse for such constituents. I am sware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECRARACTERIESD WASTE REQUIRES TREATMENT FOR UNDERLYING HARARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hexardous characteristic. This decharacterized waste contains underlying hexardous constituents that require further treatment to meet universal treatment standards. I am aware that there are eignificant penalties for submitting a

false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of probibition in column 6 above.

For Bazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

RESTRICTED WASTE CAR BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste mosts all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and

all applicable prohibition lewels eat forth in Section 268.32 or RCNA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility number above." "I curtify under penalty of law that I personally have examined and am familiar with the wasta through analysis and testing or through knowledge of the weste to support this cortification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(4). I believe that the information I submitted is true, accurate and complete. I am owere that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IN BOY CURRENTLY SUBJECT TO PART 268 RESTRICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 266 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and excurate, to the

best of my knowledge and information Signature Machine Comment of Control Date OC -0 4. 98

LAND DISPOSAL MOTIFICATION AND CHRESPICATION FORM (UTS) - REVERSE SIDE SOLVENT AND CALIFORNIA LIST TREATMENT STREETANDARDS

The waste identified on the first page of this form is described by any of the following UNEFA hazardous weste codes:
FOOL, FOOL, FOOL, FOOL, FOOL, and all solvent constituents will not be semitored by the treater, and/or this becardous weste
is subject to any prohibitions (dentified as California List restrictions (40 CFR 268.32 and/or ECRA Section 3004(d)).

In each constituent MUST be identified below by checking the appropriate box, and this page mist accompany the shipment,
a rig with the previous page of this form. If the weste code FOOL describes this weste, then the corresponding list of
constituents must be attached. If DOOL, DOOL, DOOL, DOOL DOOL require trustment to 268.48 standards, then the underlying

SOLVERY WASTE TERATHERY STANDARDS										
Mon through POOS spent sol- ment committuents and their	Treatment St	tenderd	POOI through FOO5 spent sol- vent constituents and their associated USEPA hazardous	Treatment Standard						
sesociated USEPA hazardovs waste code(s).	Westers	Monrestonature	•	MARIEMETERS	Former stewater					
Carbon tetrachloride (POO1)	0.057	6.0	Chlorobenzens (F002)	0.057	6.0					
o-Dichlorohanzene (F002)	0.048	6.0	Methylene chioride (7001, 7002)	g.089	30					
Tetrachlorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (FOO1, FOO2)	0.054	6.0					
1,1,2-Trichlorosthens (FOO2)	0.054	6.0	Trichlorouthylene (FOO1, FOO2)	0.054	6.0					
Trichloromonofluoromethens (FOC2)	0.020	30	1,1,2-Trickloro-1,2,2-triflu orosthene (FOG2)	0.057	30					

All spent solvent treatment standards are seesured through a total waste analysis (TCA), unless otherwise noted. Wastewater lits are mg/l, nowsstewater are mg/kg.

CALIFORNIA LIST TREATMENT STARU A waste must first be designated as a US restrictions.	AMOS-40CFR 268.32,40 CFR 268.42 and RCKA S EPA Hazardous waste before the waste can	be subject to the California List
Restricted waste description	Probibition	Treatment Standard
Liquid* or nonliquid weates containing Balogenated Organic Compounds listed in 40 CFR 268, Appendix III	to 1.000 mg/l Monliquid wastes: Greater than or equal	40 CFR 268.42(a)(2) - DRCIN or FSUBS
	to 1.000 mg/kg	40CFR 268.42(a)(1) - INCIN or YEURS
Liquid wastes containing Poly Chiorinated Hiphenyls (PCBs)	Greater than or equal to 50 ppm	Also see 40 CFR 761.60 and .70
Liquid* wastes containing Matals	One or more of the following metals (or elements) at concentrations greator	RCRA Section 1004(d)
Note: Hesardous wastes containing As, Cd, Cx, Ng, Pb, or Se must be	then or equal to the following: Wickel and/or compounds as #1: 134mg/l	
evaluated if not characteristically hazardous for that metal	Thallum and/or compounds as Th: 130mg/1	

* - For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquids Test from KPA menual 6W-846

SUBCATEGORY EXPERENCE

XX01 i

- A. Ignitable characteristic westes, except for the 40 CFR 261.21(a)(1) High TOC subcategoxy, that are managed in non-CMA/non-CMA equivalent/non-Class I SDMA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMB/CWA-equival or Class I SOMA systems.
- C. High TOC Ignitable characteristic liquids subcetagory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total or organic carbon.

 DOO2:
- D. Corrosive characteristic wastes that are managed in non-CNA/non-CNA-equivalent/non-Class I SUMA systems
- E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SMDA systems.

1990 Chumical Waste Management , Inc. - 05/96 - rock CMM-2005-A

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

ase print or type. Do not Staple.	P.O. Box 12					n Approved, OMB No	. 2050-0039.	Expires 9-30-94
UNIFORM HAZARDOUS	1. Generator's		911	Manifest Document		Page 1 Inform of is not	nation in the	e shaded areas y Federal Law.
WASTE MANIFEST	MYDQQ	4444	411	208 and				,
3. Generator's Name and Mailing Address					^ ;	State Manifes NY B	ocument N	£7 2
11 5 40 12 13562 4 Generator's Phone 215 773-	- 2749 - 241				B. (Generator's ID	1E	
5. Fransporter 1 (Company Name)		6. US EPA I) Number		C. :	State Transpo rte	r's ID	1024400
BUFFARO WEL	CURP.	NYRO	000	4572				0677800
7. Transporter 2 (Company Name)		8. US EPA II	Number		E. 5	State Transporter	r's ID	
O. Dongontog Facility Name and Site Adde		10 110 501	<u> </u>	1 1		Fransporter's Pho)
9. Designated Facility Name and Site Addre	VICES, INC	10. US EPA	ID Numbei	r		State Faculity's II		· .
MODIFIED ITY N.Y. 16	1107	NYDG	495	3467	9	Facility's Phone	4-87	231
11. US DOT Description (Including Proper SI	hipping Name, Haza	rd Class and II) Number)		ontainers	13. Total	14. Unit	l.
a NO, MAZARDOUS WAS	ITE, SOLI	D, N.O.	.5,	NO.	Type	Quantity APP COX	Wt/Yol	EPA FOOI
9, NA 2077, III.	(FOOI, F	002)	,	9	1 4	19992		STATE
b.					- -			EPA
							-	STATE
c.								EPA
							-	STATE
d.							-	EPA
							-	STATE
J. Additional Descriptions for Materials liste	d Abaya					1	(2.2.)	I i a a a di A a a
a CG 1391 FOO2	a Above		,	•	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Handling Codes	or wastes	Listed Above
a CG 15 11 1 CC2	C				a		С	
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b t	d				b		đ	
15. Special Handling Instructions and Additional Control of Market Control of Market M	によって、と	SE N	2 mg # 1	ER (9	ğπ)	353-£	3 ≥ 7	
SR NO. 417717	<u>- 5</u>							
 GENERATOR'S CERTIFICATION: The classified, packed, marked and labeled, and ar regulations and state laws and regulations. 	e in all respects in pro	per condition for	transport t	by highway acc	ording to a	applicable internati	onal and hat	tional government
If I am a large quantity generator, I certify that I practicable and that I have selected the practic health and the environment; OR if I am a small to me and that I can afford.	able method treatment	, storage, or disp	osal current	ly-awailable to i	ne which r	ninimizes the prese	of and future	e threat to human
Printed/Typed Name		Signature	./	1.1			M	o Dav Year
11 1 - 1/20		2/100	1.11.11		<u>/</u>	~ `	1.1	4 17
17. Transporter 1 (Acknowledgement of Reco	eipt of Materials)	T			- ·			
Printed Typed Name	300	Signature	Ri	- W:	te	-	M. I	o. Day Year
18. Transporter 2 (Acknowledgement or Reco	eipt of Materials)	·		T				
Printed/Typed Name		Signature					M	o Day Year
19. Discrepancy Indication Space		L					<u></u> L :	
20. Facility Owner or Operator: Certification	of receipt of hazard	dous materials	covered b	y this manife	est excep	t as noted in Ite	m 19.	
Printed/Typed Name		Signature					Me	o. Day Year

PA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Profile Number:

094391 SOIL

State Manifest NYB502297 2

Homestowater X Wasterster In this wester a non-westewater or westewater? (See 40 CFR 168.2) Check ORE: If this weste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to much restriction that is applicable:

80Cs. PCBs, Acid, Metals, Cymides
1. Identify ALL UMETA hasardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check RORE if the wasta code has no subcategory. Spent solvent and California List trustment standards are listed on the following page. If FOJ9, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and meet 260.40 standards, then the undarlying hazardous constituent(s) present in the waste must be listed and attached.

SKP	4. US EPA BAZAROCUS WASTE 5. SUBCATROOMY SPENT THE SUBCATROOMY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORE		6. NOW HUST THE WASTE BY MARAGED?
	CODE(5) USSCRIPTION	USSCRIPTION NO.	
-	P001	X	<u> </u>
, - `		X	D
-2	8003		
_3			1
. 4		the True the	Underlying
Eas II To	tardous Commiti	or D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the "F039/ tuent Form" provided (CMM-2004) and check hare: resent in the waste upon its initial generation check hare: X al USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-20	

SOM MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or R) below that describes how be waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter he letter \$1, \$2, \$3, \$4 or \$0, you are making the appropriate certification as provided below. (States authorized by EPA or manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these Fegulatory citations differ, your cartification will be desmed to refer to those state citations instead of the 40 CFR

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Masardous Debrie: "This bazardous debris is subject to the alternative treatment standards of 40 CFR Part 268,45."

B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS "I certify under penalty of law that I have pursonally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 258.32 or NCRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

3.2 RESTRICTED WASTES FOR WELCH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE BAS BEEN

TREATED BY THAT TECENOLOGY)

"I certify under panelty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am aware that there are significant penalties for submitting a false certification, including Use possibility of fine

and imprisonment."

B.3 COOD PAITE AMALYTICAL CERTIFICATION FOR INCIMERATED ORGANICS "I cartify under penalty of law that I have personally examined and as familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the nonsentesexter organic constituents have be treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fund substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonweatewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that those are significant panalties for submitting a false certification, including

the possibility of fine and imprisonment."

5.4 DECHARACTERIEED WASTE REQUIRES TREATMENT FOR UNDERLYING HARARDOUS CONSTITUENTS "I certify under panalty of law that the waste has been treated in accordance with the requirements of 40 CFR 258,40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a

false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.

Por Bazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45." D. RESTRICTED MASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable trestment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment sethods is maintained at the treatment, storage and disposal facility number above." "I curtify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this contification that the waste complies with the treatment standards specified in 40 CPR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

8. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 MENTHICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 258 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the

Bignature / Letter Date 02-01-98

1990 Chemical Waster Management , Inc. - 05/96 - Form CM-2005-A

LAND DISPOSAL MOTIFICATION AND CENTIFICATION FORM (UTS) - PREVENSE SIDE SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

the waste identified on the first page of this form is described by any of the following UNEFA hazardous weste codes: 7001, F002, F003, F004, F005, and all solvent constituents will not be employed by the treater, and/or this bezardous weste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or NCMA Section 3004(d)), it meach constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, and with the previous page of this form. If the waste code F039 describes this waste, than the corresponding list of matitionals must be attached. If D001, D002, D003 or D012-D043 require treatment to 268.48 standards, then the underlying

SOLVET WASTE TREATMENT STARDARDS										
P001 through P005 spent sol- went cometities and their	Treatment St	andard	FOOI through FOO5 spent sol- vent constituents and their associated USEPA hazardous	Trostment Standard						
associated USEPA hazardous	Westersters	Acometowa term		Wastmeters	Icensesteseter					
Carbon tetrachloride (POO1)	0.057	6.0	Chlorobenesse (F002)	0.057	6.0					
o-Dichlorobanzens (F002)	0.088	6.0	Methylene chloride (7001, 7002)	0.089	3 g					
Tetrachlorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0					
1,1,2-Tricklorosthens (FOO2)	g.054	6.0	Trichlorouthylene (r001, F002)	0_054	6.0					
Trichloromonofluoromethenm (FOO2)	0.020	30	1,1,2-Trickloro-1,2,2-triflu growthame (FOO2)	0.057	30					

All spent solvent trestment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater nits are mg/l, nowsetewater are mg/kg.

CALIFORNIA LIST THEATMENT STARU A waste must first be designated as a US restrictions.	ANDS40CFR 266.32,40 CFR 268.42 and RCMA S EPA Hazardous waste before the waste can	be subject to the California List
Restricted waste description	Probibition	Trestment Standard
Liquid* or nonliquid wester containing Balogonated Organic Compounds listed in 40 CFR 268, Appendix III	to 1.000 mg/l Homliquid wastes: Greater than or equal	40 CPN 258.42(a)(2) - DRCIN or PSUBS
Liquid wastes containing Poly Chlorinated Hiphwnyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or 78UNS Also see 40 CFR 761.50 and .70
Liquid* wastes containing Metals Note: Basardous wastes containing As. Cd. Cr. Ng. Pb. or Se must be evaluated if not characteristically hazardous for that metal	One or more of the following metals (or elements) at concentrations greator then or equal to the following: Fickel and/or compounds as fir 114mg/1 Thelium and/or compounds as Th: 110mg/1	RCRA Section 3004(d)

^{* -} For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test trom MPA manual GW-846

SUBCATEGORY REPERENCE

- A. Ignitable characteristic wastes, except for the 40 CPR 261.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I SDMA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMM/CMM-equival or Class I SDMM systems.
- C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbon.

 D002:
- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SOWA systems
- E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

D001:

1990 Chemical Wasta Management , Inc. - 05/96 - Fors CMM-2005-A

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

😜 ase print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

e print or type. Do not Staple.	P.O. Box 12820), Albany, New	York	1221	2	Form	Approved.	OMB No.	2050-000	39 Expires	9-30-94
UNIFORM HAZARDOUS WASTE MANIFEST	MYDDO2		-	iifest pimen	5°4		age 1	Inform is not	ation in required	the shad by Fede	ed areas
Generator's Name and Mailing Address				•	***			B	111	Nº.	3
Generator's Phone 315 7: 2	-1241					B. G	enerat 3	72	Ε		
Iransporter 1 (Company Name)		US EPA ID Numbe			- II	C. S	tate Tran	nsporter	s ID.	Y.60°	1/45
Transporter 2 (Company Name)		YR 00000	$\overline{}$	_/_	7.4		ransporte tate Tran			101208	-40R
			·			F. Tr	ansporte	er's Pho	ne ()	
Designated Facility Name and Site Addr WM CHIMICAL SCEN 1550 ZALMCK, RO.	ess JICIS, INC 10	. US EPA ID Numb	er				tate Fac	-	·		-
MOFE CITY, N.Y. 14	137 1	YD0498	34	16	77	н. н.	7/6	75	4-	a23	•
1 US DOT Description (Including Proper S	Shipping Name, Hazard C	Class and ID Numbe	r)			ainers	To	3. Ital	14. Unit	1	1.
- RQ, MALARDOUS WAS	TE, SOLID,	N.O.S.		. N	0.	Type	Qua	ntity	Wt/Vo:	EPA /	te No.
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					. 1		: :		ı	STATE	
. Additional Descriptions for Materials liste	ed Above			<u></u>			andling (Codes fo	or Wast	es Listed	Above
CG7391 FOOZ ,	с		1 .	†		a		4	c		
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1	d		i '	•		þ			đ		
5. Special Handling Instructions and Addit			10	<i>-</i>	\	ــر ــ	<u> </u>	2 25	- >		
ARTS ENTR. TNCY	LSM NCE A	ODNEER	(d	1 Z c	;)	3 D 3	5 - 6	i đi	/		
# 1 T	L SR	# 417	77.	7	- 4	+					
GENERATOR'S CERTIFICATION: In classified, packed, marked and laceled, and a regulations and state, away and regulations. If I am a large quantity generator, it certify that practicable and that I have selected the practicable and that I have selected the practicable.	I have program in place to rec	duce the volume and to	oy nigr	way a	gener	ated to t	the degree	nternatio	nal and i	national go	nomicall
to me and that I can afford.	generator, i have made a gco	d faith effort to minimi	ze my w	aste a	nd sele	ect the b	est waste	manager	ment met	hod that is	3v3::30:
ntediTyped Name	S	gnature	1)	of	\mathcal{I}					M o Da	y Yes
7. Transporter 1 (Acknowledgement of Rec	eipt of Materials)	11.64.			بسئير	12-2-	<u> </u>			<u> </u>	412
rinted/Typed Name	S	ignature								Mo. Da	y Yea
R. Transporter 2 (Acknowledgement or Rec	× / r	Ul Vist 3	7_	المد	12	nac		_	(220	47
rinted/Typed Name	eipt of Materials)										,
	S	ignature								Mo Do	v Van
	S	ignature							1	Mo. Da	y Yea
Discrepancy Indication Space	S	ignature							L	Mo. Da	y Yea
Discrepancy Indication Space Discrepancy Indication Space Discrepancy Indication Space			by this	man	ifest i	except	as noted	t in Item	L	Mo. Da	y Yea
9. Discrepancy Indication Space 0. Facility Owner or Operator: Certification rinted/Typed Name	of receipt of hazardous		by this	man	ifest (except	as noted	d in Item	1 19.	Mo. Da	

LUCAS AEROSPACE

Manifest Dog. No.: 98004

merator Mamo: Profile Sumber:

099391 80TL

State Manifest No: NYB502296 3

1. Is this weste a non-westweater or westweater? (See 40 CFR 168.2) Check OME: Homestweater & Westernter If this waste is subject to any California List restrictions enter the letter from below (either A, S.1, or S.2) next to much restriction that is applicable:

BCCs. PCBs, Acid, Metals, Cyanides
1. Identify ALL USETS hasardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste to live the state of the codes that apply to the same to subsette the codes that apply to the same to subsette the codes that apply to the same to subsette the codes that apply to the same to subsette the codes that apply to the codes to subsette the codes that apply to the codes the codes that apply to the codes the codes that apply to the codes the codes that apply to the codes Metals, Cyanide code, identify the corresponding subcategory, or check SCRE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F019, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D001 or D012-D043 requires treatment of the characteristic and mest 260.48 standards, then the underlying hazardous constituent(s) present in the wasto must be listed and attached.

ARP	4. US EPA BAZARDOUS WASTE	5. SUBCRITCORY EFFER THE SUBCRITCORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORE	6. FOW HUST THE MARKED? BE HANAGED? ENTER LETTER
•	CODE(5)	DESCRIPTION NOWE	NACH BETOM
	F001	x	D
2	P002	I I	<u> </u>
			+
4		1 Penna/D	200
Hai II To	erdous Const	or D001, D002, D003 and D012-D043, underlying hexardous constituent(s), use the "F039/On ituant Form" provided (CMM-2004) and check here: present in the waste upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generation check here: X may be upon its initial generati	

HOM HUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or E) below that describes bow Please understand that if you enter the waste must be managed to comply with the land disposal regulations (40 CPR 258.7). be letter \$1, \$2, \$3, \$4 or D, you are making the appropriate certification as provided below. (Statos authorized by EPA o manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your cartification will be deemed to refer to those state ditations instead of the 40 CFR citations

A. RESTRICTED WASTE REQUIRES THEATHERT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Masardous Debris: "This hexardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDANDS "I certify under penalty of law that I have porsonally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or NCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE THEAD-EST STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN

THEATED BY THAT TECHNOLOGY)

'I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine

and imprisonment."

B.3 COOD PAITE AMALYTICAL CERTIFICATION FOR INCIDERATED COMMANICS 'I cartify under panalty of law that I have paraonally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals distaly responsible for obtaining this information, I believe that the nonventemater organic constituents have b treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fund substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonweatemeter organic constituents despite having used best good faith efforts to energie for such constituents. I am energy that those are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B. 4 DECHARACTERIEED WASTE ABOUTERS TREATMONT FOR UNDERLYING DAMARDOUS COMSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a

false cartification, including the possibility of fine and imprisonment."

RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of probibition in column 6 above.

Por flavardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CPR Part 258 Subpart D, and all applicable prohibition levels sort forth in Section 268.32 or RCNA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility numerical above." "I curtify under penalty of law that I personally have examined and am familiar with the wants through analysis and testing or through knowledge of the waste to support this cortification that the waste complies with the treatment standards specified in 40 CFR Part

268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA mection 1004(d). I Delieve that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

B. WASTE IS BUT CURRENTLY SUBJECT TO PART 268 MENTALCTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge say information.

Signature

Title

Title

Title

Title

To Mark CEM-2005-A

LAND DISPOSAL MOTIFICATION AND CHRIFTICATION FORM (VIS) -REVENSE SIDE SCHOOL AND CALIFORNIA LIST TREATMENT STRADARDS

the waste identified on the first page of this form is described by any of the following UNETA hazardons weste codes:
301, F003, F004, F005, and all solvent constituents will not be monitored by the treater, and/or this becardons weste
a subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or ECRA Section 3004(d)),
beach constituent MIST be identified below by checking the appropriate box, and this page must accompany the shipment,
if g with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of
tituents must be attached. It 0001, D002, D003 or 0012-D043 require trustment to 268.48 standards, then the underlying
assertious constituent(s) must also be stached.

SOLVER CONSTITUENT(8) SUST ALSO DE STACHES. SOLVER WASTE TERRITORIE STANDARDS								
01 through P005 spent solute constituents and their	and their Treatment Standard		FOOI through FOO5 spent sol- went constituents and their associated USEPA hasardous	Treatment Standard				
misociated USEPA hazardous waste code(s).	Hen Lawre COLD	Acorestonators	,	MARIEMETERS	Forme stewater			
irbon tetrachlorida (POO1)	0.057	6.0	Chlorobenzano (F002)	0.057	6.0			
o-Dichlorobanzens (FOO2)	0.088	6.0	Methylene chiorids (rool, rool)	0.089	30			
etrachiorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0			
,1,2-Trichlorosthens (FOO2)	g.054	6.0	Trichlarosthylene (F001, F002)	0.054	6.0			
Trichioromonofluoromethane FOG2)	0.020	30	1,1,2-Trichloro-1,2,2-triflu growthene (FGG2)	0.057	30			

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater to its are mg/l, nowastewater are mg/kg.

Restricted waste description	Probibition	Treatment Standard
Liquid* or nomliquid wester containing	Liquid wastes: Greater than or equal	40 CFR 268.42(a)(2) - DECIM OF FRUE
Lalogenated Organic Compounds listed in	to 1.000 mg/1	
40 CPR 268, Appendix III	Monliquid wastes: Greater than or equal	
	to 1.000 mg/kg	
Iquid's wastes containing Poly	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or FECAL
Chloricated Biphenyls (PCBs)	i	Also see 40 CFR 761.60 and .70
Liquid wastes containing Matals	One or more of the following metals	RCRA Section 3004(d)
•	(or elements) at concentrations greator	
Note: Basardous westes containing	then or equal to the following:	
As, Cd, Cr, Mg, Pb, or Se must be	Wickel and/or compounds as #1: 134mg/l	
	Thalium and/or compounds as Th: 130mg/1	
hazardous for that metal		

* - For the definition "liquid" refer to Nathod 9095, the Paint Filter Liquids Test trom EPA manual SW-846

SUBCATEGORY REPERENCE

- ... Ignitable characteristic wastes, occept for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in som CMM/scm-CMM equivalent/son-Class I SOMM systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA equivel or Class I SDMA systems.
- . High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% tetal organic carbon.

D002:

301 t

- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SNDA systems.
 - •

1990 Chemical Waste Humagement , Inc. - 05/96 - roca CMM-2005-A

DIVISION OF HAZARDOUS SUBSTANCES REGULATION

Prease print or type. Do not Staple.

UNIFORM HAZARDOUS

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

1 Generator's US EPA No.

1	Information in the shaded is not required by Federal	areas Law

Form Approved, OMB No. 2050-0039. Expires 9-30-94

2. Page

Manifest

	WASTE MANIFEST NYD G	0 42 44 9 11 99	Budu Phas		of is not r	equired by	Federal Lav	W.	
	3. Generator's Name and Mailing Address			A. S	tate Manifest Do	cument N			
	4 Generator's Phone: 2151 743-1241			B. C	ienerator's ID	-			
	5. Transporter 1 (Company Name) Buffalc Fuel Corp	6, US EPA ID Number							
	7 Transporter 2 (Company Name)	D. Transporter's Phone (800 208-90) E. State Transporter's ID							
				ransporter's Phor)			
	9 Designated Facility Name and Site Address	10. US EPA ID Number		G. S	tate Facility's ID				
	9 Designated Facility Name and Site Address - S, Tu(10. US EPA ID Number G. State Facility's ID								
	METLCITY, NY. 14107		66.79	H. F	acility's Phone (7/6) 754	-82	3/		
	11. US DOT Description (Including Proper Shipping Name, Ha		12. Cont	L	13.	14. i			
			No.	Type			Waste No.		
	a LG, INLARDOUS WANTE, SUL	$10, \infty.0.5$			MERCIX	_	EPA FOO	1	
Ê	9, MA 3077, III, (-301, FO	20 2)	991	16 M	4444	1	STATE		
Δ	b.		†			•	EPA	 i	
						-	STATE	:	
Ì	C.		ļ. i				EPA		
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a				Ì			STATE		
-	d.						EPA		
					<u> </u>	-	STATE	:	
	J. Additional Descriptions for Materials listed Above		1	К. н	andling Codes fo	Wastes	Listed Above	: p	
	a CG 9391 FCCZ	ı			L	1		ĺ	
.			7	_ a		С			
		ı		ь		d			
-	15. Special Handling Instructions and Additional Information		<u> </u>		- ,	1 4			
. ! !	ATTO TMT (TEXT) SETS F NOT	NAMETR (O	80)3	53	-235/			:	
i	<u> </u>							i	
	16 GENERATOR'S CERTIFICATION	7-3							
	16 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in pregulations and state laws and regulations.	e contents of this consignment are functional for transport by high	ally and accur hway accordi	ately de ng to ap	scribed above by pr oplicable internation	oper shippi lal and hati	ng name and a onal governme	ent :	
İ	If I am a large quantity generator, I certify that I have program in plac practicable and that I have selected the practicable method treatments. Of the programment	te to reduce the volume and toxicity o	f waste gener	ated to	the degree I have de	termined to	be economical	illy	
	health and the environment; OR if I am a small generator, I have mad to me and that I can afford.	e a good faith effort to minimize my v	vaste and sele	ect the b	est waste managen	and future rent method	threat to huma I that is availab	an - cie :	
-	Printed Typed Name	Signature	7			Mo.	Dav Ye	ear	
	- 1 m - Calendary	Whicher a	ر نوسسانیا	بر ش يدس .		f +		-1	
. :	17. Transporter 1 (Acknowledgement of Receipt of Materials)								
1	Printed/Typed Name	Signature) /	·		Мо	. Day Ye	ear	
1 -	18. Transporter 2 (Acknowledgement or Receipt of Materials)	1 Kardy 2	LEE!		dir.	0.2	2049		
	Printed/Typed Name	Signature				Mo	. Day Ye	ear :	
						1	. 54, 76		
. !	19. Discrepancy Indication Space								
	20. Facility Owner or Operator: Certification of receipt of haza	ardous materials covered by this	s manifest e	except	as noted in Item	19.			
. [Printed/Typed Name	Signature		· · · · · · · · · · · · · · · ·		Мо	. Day Ye	ar :	
'						1 .	1 1	. 1	

merator Name:

LUCAS AEROSPACE

rocite Sumber:

099391 80IL

State Manifest No: NYB 502295 4

1. Is this weste a non-westewater or westewater? (See 40 CFR 168.2) Check ORE: Homestewater & Westewater If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) ment to

each restriction that is applicable:

ECCs. PCBs, Acid, Hetals, Cyanides

I. Identify ALL UCETA basardous wasts codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste codes that apply to this waste shipment, as defined by 40 CFR 261. code, identify the cogresponding subcategory, or check NCHE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and most 260.48 standards, then the undarlying hasardous constituent(s) present in the wasto must be listed and attached.

UKIP	4. US EPA BAZARDOUS WASTE	5. SUBCATROOMY ENTER THE SUBCATROOMY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORE		6. HOW MUST THE MASTE BE MANAGED? BRIEG LETTER
•	CODE(5)	USSCRIPTION	FE.	PROM BELOW
	P001	*		<u> </u>
	P002		<u> </u>	<u> </u>
3				ļ
Ba. II To	zardous Commit	or DOOI, DOO2, DOO3 and DOI2-DO43, underlying hexardons constituent(s), use the "FO35 tuent Form" provided (CMM-2004) and check here: recent in the weste upon its initial geometrion check here: X al UBEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-2004)		

SOM MUST THE WASTE HE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter \$1, \$2, \$3, \$4 or 0, you are making the appropriate certification as provided below. (States authorized by XPA to manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR ditations.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CPR Part 268 Subpart D, 268.32, or RCRA Section 1004(d).

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDANDS "I certify under panalty of law that I have pormonally examined and am familiar with the treatment technology and openation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 258.32 or SCRA Section 1004(d) without impermiseible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility

of fine and imprisonment." B.2 RESTRICTED MASTES FOR WEICH THE TREADMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE MASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.J COOD PAITE AMALYTICAL CERTIFICATION FOR INCIDERATED COMMANICS

"I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nomentewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fund substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwestmeater organic constituents despite having used best good faith efforts to snalyze for such constituents. I am aware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

8.4 DECHARACTERIESD WASTE REQUIRES TREATMENT FOR UNDERLYING MASARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hesardous constituents that require further treatment to meet universal treatment standards. I am meare that there are significant penalties for submitting a

false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of probibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

PERSTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FUNTEER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 26H Subpart D, and all applicable prohibition levels set forth in Section 268.32 or SCNA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I cartify under panalty of law that I personally have examined and am familiar with the weate through analysis and testing or through knowledge of the waste to support this cortification that the waste complies with the treatment standards specified in 40 CPR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accourate and complete. I am aware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

8. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 266 restrictions.

I hereby certify that all laidreation submitted in this and all associated documents is complete and accurate, to the

best of my knowledge and information. Signature // Chemical Waste Management , Inc. - 05/96 - Porm CHM-2005-A

LAND DISPOSAL MOTUFICATION AND CENTIFICATION FORM (UTS) - REVERSE SIDE SOLVEST AND CALLFORNIA LIST TREATHERT STANDARDS

.f the weste identified on the first page of this form is described by any of the following UNEFA hazardous weste codes: The wants constitued on the titet page of this told in described by any of the tollowing under Administrate sents committee, proof, proof, proof, proof, and all solvent constituents will not be monitored by the treater, and/or this becardons wents a subject to any prohibitions (destricted as California List restrictions (40 CFR 268.32 and/or RCMs Section 3004(d)), and all solvent proof to any prohibitions (destricted as California List restrictions (40 CFR 268.32 and/or RCMs Section 3004(d)), and all solvent proof to any prohibitions (destricted bold). t) 3g with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of xumultunous must be attached. It D001, D002, D003 or D012-D043 require treatment to 268.48 standards, then the underlying pesardous constituent(s) must also be stached.

SOLATEL MASTE TEXATHER STANDARDS							
JOI through FOO's spent sol-	ents and their Treatment Standard		POSI through FOOS apent sol- vent constituents and their associated USEPA hazardous	Treatment Standard			
associated USEPA hazardovs wasts code(s).	Was Lawa COL 8	Accestowaters	1	Wastewaters	Icomestawater		
arbon tetrachloride (POO1)	0.057	6.0	Chlorobenzano (F002)	0.057	6.0		
o-Dichlorobenzene (F002)	0.088	6.0	Methylene chloride (FOOl, FOOl)	0.089] 30 		
ratrachlorouthylana (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0		
.,1,2-Trichlorosthens (FOO2)	0.054	6.0	Trichlorouthylene (FOOI, FOO2)	0.054	6.0		
Crichloroscoofluoroschans (F002)	0.020	30	1,1,2-Trichloro-1,2,2-triflu growthene (F002)	0.057	30		

"'I spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastesmtar its are mg/1, nowmatewater are mg/kg.

CALIFORNIA LIST TREATMENT STARL A waste must first be designated as a US restrictions.	DAMES - 40CFR 268.32,40 CFR 268.42 and RCKA 3 RPA Hazardous waste before the waste can	Section 3004(d) be subject to the California List
Restricted waste description	Prohibition	Treatment Standard
Liquide or nonliquid wantes containing	Liquid wastes: Greater than or equal	40 CFR 268.42(a)(2) - INCIN or FSUES
Halogenated Organic Compounds listed in	to 1.000 mg/l	
40 CFR 258, Appendix III	Bonliquid wastes: Greater than or equal	
	to 1.000 mg/kg	
Liquid wastes containing Poly	Greater than or equal to 50 ppm	40CFR 258.42(a)(1) - INCLE or FRUM
Chlorinated Biphenyle (PCBs)		Also see 40 CFR 761.50 and .70
Liquid wastes containing Metals	One or more of the following metals (or elements) at concentrations greator	RCRA Section 3004(d)
Note: Basardous wastes containing	then or equal to the following:	
As, Cd, Cr, Hg, Pb, or Se most be	Mickel and/or compounds as fil: 134mg/l	
evaluated if not characteristically hazardous for that metal	Thalium and/or compounds as Th: 130mg/1	

* - For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquids Test tros EPA manual dw-846

SUBCATEGORY EXPERENCE

001:

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed is som CMM/son-CMM quivalent/non-Class I 5048 syste
- ". Ignitable characteristic wastes, except for the 40 CFR 251.21(a)(1) High TOC subcategory, that are managed in CMR/CMR equival or Class I SOMA systems.

 Bigh TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbon.

D002:

- 9. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/mon-Class I SUWA systems
- : Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SNDA systems.

1990 Chemical Waste Management , Inc. - 05/96 - Form CMS-2005-A

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

Firase print or type. Do not Staple.

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

	UNIFORM HAZARDOUS 1 Generator's	S US EPA NO.	Manifest Document No	0.5	le 1 Information is not req	on in the sha uired by Fed	ded areas		
	3. Generator's Name and Mailing Address LUCAS AFROME OF ACC LITTICA NY 12502-5741 4. Generator's Phone 15 793-1241		A. State Manifest Document No. NY B B. Generator's ID						
* -	5. Transporter 1 (Company Name) BUFFALO FUEL CORP. 7. Transporter 2 (Company Name)	6. US EPA ID Number MY R: 6: 0 0 04 8. US EPA ID Number		D. Tran E. Stat	e Transporter's I isporter's Phone e Transporter's II isporter's Phone	1800 67 D			
**:	9 Designated Facility Name and Site Address IESO EALMER CD MODEL CITY, NY. 14107	10. US EPA ID Number		G. Stat	e Facility's ID		,		
-47.5	11. US DOT Description (Including Proper Shipping Name, Haz	ard Class and ID Number)	12. Con	,	13. Total	14. Unit	1.		
E R	a My, Milardous WA TE, SOLID, 9, NA 3077, LTT, (TOOI, F		1991	4	A44.X	EPA	FOOT		
A	b.					EPA STAT	E		
'se	C.					EPA STAT	Ε — — —		
	d.		! 		i i	EPA STAT	E .		
-	J. Additional Descriptions for Materials listed Above a CG 1391 FXZ		• 1	K. Hand	dling Codes for V	Wastes Lister	Above		
-	b d d 15. Special Handling Instructions and Additional Information		•	b		đ			
1	15. Special Handling Instructions and Additional Information	A 112 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	(***)	252	-238/		:		
	16. GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in principulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place practicable and that I have selected the practicable method treatmen health and the environment; OR if I am a small generator, I have made to me and that I can afford.	e to reduce the volume and toxic	aty of waste gene	rated to the	degree I have deter	and national g	overnment :		
	Printed/Typed Name	Signature	et e			Mo 3	ay Year		
RAY	17. Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name EON 18. Transporter 2 (Acknowledgement or Receipt of Materials)	Signator	kuler	in		Mo. D	ay Year 498		
F	Printed/Typed Name	Signature			-	Mo D	av Year		
, A	19. Discrepancy Indication Space		***		-				
ř	20. Facility Owner or Operator: Certification of receipt of hazar Printed/Typed Name	rdous materials covered by Signature	this manifest	except as	noted in Item 19		ay Year		

LUCINE AEROSPACE C secutor Name:

PACE PRODUCTION AND CERTIFICATION FORM (UTB)

Profile Number:

004391 SOLL

State Manifest Bo: NYB5022945

. In this waste a non-westewater or westewater? (See 40 CFR 268.2) Check Offs: Howestowater & Masterater ? If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) ment to each restriction that is applicable:

BOCs. PCBs, Acid, Hetals, Cyanides
1. Identify ALL UCETA hasardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check SCHE if the wasta code has no subcategory. Spent scivent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D063 requires treatment of the characteristic and most 260.48 standards, then the undarlying hazardous constituent(s) present in the wasto wast be listed and attached.

	4. US EPA BAZARDOUS			6. SKW MLS THE VOLST BE MANAGED	
ZP	COOR(5)	USSCRIPTION	FORE	PROM BELOW	
	F001		X	1	
2	8003		X	D	
			 		
Ha II To	zardoom Commti	or D001, D002, D003 and D012-D041, underlying bexardous constituent(s), use the tuent Form provided (CSM-2004) and check bere: resent in the waste upon its initial generation check bare: X all USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (

SOM MUST THE MANTE HE MANAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or E) below that describes how the waste must be sanaged to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter to letter \$1, \$2, \$3, \$4 or D, you are making the appropriate certification as provided below. (States authorized by spa o manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your cartification will be deemed to refer to those state citations instead of the 40 cFR ditations.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or MCMA Section 3004(d).

For Masardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 264 45 "

5.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS I certify under penalty of law that I have personally examined and am familiar with the treatment technology and openation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and this tained properly so as to comply with the purformance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or NCRA Section 1004(d) without impermissible dilution of the prohibitest waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

3.2 RESTRICTED MASTES FOR WELCH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE MASTE SAS ASSE

TREATED BY THAT TECHNOLOGY)

I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 266 62 I am aware that there are significant penalties for submitting a false certification, including the possibility of flam and imprisonment."

3.3 COOD PAITE AMALYTICAL CERTIFICATION FOR INCIMERATED ORGANICS

"I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and speciation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the nonwesterester organic constituents have be treated by incineration in units operated in accordance with 40 CPR Part 264 Subpart 0 or Part 265 Subpart 0, en eq combustion in two substitution units operating in accordance with applicable technical requirements, and I been unable to detect the nonwestewater organic constituents despite having used best good faith efforts to enalyse for such constituents. I am sware that thoro are significant panalties for submitting a false certification, inclusive the possibility of fine and imprisonment."

3.4 DECEARACTERIES WASTE REQUIRES TREATMENT FOR UNDERLYING HASARDOUS COMPTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 206 00 'o remove the hexardous characteristic. This decharacterized waste contains underlying hexardous constituents that rem further treatment to meet universal treatment standards. I am meare that there are significant penalties for established a

false cartification, including the possibility of fine and imprisonment.

RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Securities effective date of probibition in column 6 above.

For Sazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 204 6) "

RESTRICTED WASTE CAR BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable trustment standards set forth in 40 CFR Part 166 Subpart 9, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be last dispused without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility nomind above." "I cartify under panalty of law that I personally have examined and am familiar with the weste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFE Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRR section 3004(d). I believe that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 MESTINICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Bignature / Light Maste Hanagement , Inc. - 05/96 - Form CMM-2005-A

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (UTS) - REVERSE SIDE SCHVERT AND CALLFORNIA LINT TREATMENT STREETANDS

.t "the wests identified on the first page of this form is described by any of the following UREFA hexardons wests codes: 7001, F002, F003, F004, F005, and all solvent constituents will not be somitored by the treatmr, and/or this becardons wests to subject to any prohibitions (destified as California List restrictions (40 CFR 266.32 and/or RCRA Section 1904(d)). is suspend to may promine the continue as Christenia size Controlles (so the 400.34 minutes) and this page into the identified below by checking the appropriate box, and this page mist accompany the shipment, a ng with the previous page of this form. If the wasts code F039 describes this wasts, then the corresponding list of provious must be attached. If D001, D002, D003 or D012-D043 require treatment to 268.48 standards, then the underlying previous constituent(s) must also be attached.

sardous constituent(s) sust al	801.VZ	T WASTE TERATHON	T STREETS			
001 through F005 spent sol- ent constituents and their	Truetmont Standard		POOI through FOO5 epent sol- vent constituents and their associated USEPA hazardous	Troatment Standard		
essociated USEPA hazardous	West Lawre COLO	Acmestmaters	,	Wastenmeters	Formestewater	
'arbon tetrachloride (POOI)	0.057	6.0	Chlorobeusemo (FGG2)	0.057	6.0	
o-Dichlorobensens (FCC2)	0.04#	6.0	Methyleme chlorids (r001, r002)	0.089	30	
Catrachiorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthans (FOO2)	0.054	6.0	Trichlarouthylene (r001, F002)	0.054	6.0	
Trichlorosomofluoromethana (F002)	0.020	30	1.1.2-Trichloro-1,2,2-triflu orosthane (F002)	0.057	30	

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater tits are mg/1, nowmatewater are mg/kg.

CALIFORNIA LIST TREADMENT STARD A waste must first be designated as a US restrictions.	AMDS 40CFR 268.32,40 CPR 268.42 and RCKA EPA Rexardous waste before the waste can	be subject to the california blue
Restricted waste description	Prohibition	Treatment Standard
Liquid* or nonliquid wastes containing Eslogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid's westes: Greater then or equal	40 CFR 268.42(a)(Z) - INCIN or PSUMS
Iquid wastes containing Poly Chiorinated Biphwnyls (PCBs)	Greater than or equal to 50 ppm	40CFR 258.42(a)(1) - INCIN or PSUBS also see 40 CFR 761.50 and .70
Liquid* wastes containing Metals Note: Basardous wastes containing	One or more of the following metals (or elements) at concentrations greator than or equal to the following: Mickel and/or compounds as Mi: 134mg/l Thalium and/or compounds as Th: 130mg/l	RCRA Section 3004(d)

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test from KPA menual GW-846

SUBCATEGORY REPERBUCK

X001 1

- A. Ignitable characteristic westes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CMM/non-CMM equivalent/non-Class I 5000 system
- 8. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMR/CMR-equival or Class I SDNA systems.
- 2. Bigh TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbon.
- D002:
- D. Corroeive characteristic wastes that are managed in non-CNA/non-CNA-equivalent/non-Class I SUMA systems
- B. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SNDA systems.

1990 Chemical Waste Henagement , Inc. - 05/96 - rorm CMR-2005-A

	ZARDOUS WASTE MAN . Box 12820, Albany, New Yorl		Form App	proved, QMB No. 1	2050-0039	Expires 9-30-34
UNIFORM HAZARDOUS 1 G	enerator's US EPA No. M	lanifest ocument No.	2. Page of			he shaded areas by Federal Law.
3 Generator's Name and Mailing Address A			A. State	e Manifest Do	cument)	* - 0
11 2 - /A A O AVE TILA, A Y 12 50 2 - 1 4. Generator's Phone: 15) 712-1241	741		B. Gene	erator's ID SAME	KZ.	53 6
5. Transporter 1 (Company Name)	6. US EPA ID Number		C State		ID X	2524 NIG
Buffak Fuel Corp	MY R00004	5724	D. Tran			1 208 9059
7 Transporter 2 (Company Name)	8. US EPA ID Number			e Transporter's		
9. Designated Facility Name and Site Address	10. US EPA ID Number		· · · · · · · · · · · · · · · · · · ·	sporter's Phon e Facility's ID	e (· ·
1550 BALMER KD MODEL CITY, N.Y 14107	MADCHULL	4 7 7 9	H. Faci	lity's Phone	1-50	231
11. US DOT Description (Including Proper Shipping N		12. Cont	ainers	13. Total Quantity	14. Unit Wt/Voil	l. Waste No.
a KIX. FAZICIONSWILL		5	1,125	/\		EPA FOCT
1, NA 177, TTE, (FO	of, Fao2)	6, 4, 1	C C	100 -	T	STATE
b.						EPA
					i	STATE
C.						EPA
					1	STATE
				1		
d.						EPA
				1 1 1 1		STATE
J. Additional Descriptions for Materials listed Above		 	K. Hand	dling Codes fo	r Waste	s Listed Above
a C(1591 1102 ,)	c	•	a		: : c	
				C		
5	d !	• i	ь		d d	
15 Special Handling Instructions and Additional Info	ormation United States Control Control	R) 363.	-230	7		
SR NO. 41 5725	S # 41773	7 - 1				
16 GENERATOR'S CERTIFICATION: I nereby decided classified, packed, marked and labeled, and are in all refregulations and state laws and regulations. If I am a large quantity generator, I certify that I have progracticable and that I have selected the practicable methological and the environment, OR If I am a small generator, to me and that I can afford.	spects in proper condition for transport by training and toxicit ram in place to reduce the volume and toxicit of treatment, storage, or disposal currently a	highway according of waste gene available to me	ing to applicated to the which mining	degree! have de nizes the present	termined	at onal government to be economically ite threat to human
PrintedTyped Name	Signature	,	,		\	do Day Year
17. Transporter 1 Acknowledgement of Receipt of M.	atomiala)	<u> </u>	<u>. </u>			1111
Printed/Typed Name	Signature	4		7		No. Day Year
KEVIN SEELBINING		Au 1		/	1/	121041481
18. Transporter 2 (Acknowledgement or Receipt of M.	aterials)					
Printed/Typed Name	Signature					Mo Day Year
19. Discrepancy indication Space						
20. Facility Owner or Operator: Certification of receip	ot of hazardous materials covered by t	this manifest	except as	noted in Item	19	
Printed/Typed Name	Signature		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	to Day Year

³A Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

LUCIAS AMPROMERACE merator Name:

Mamifest Dod. No.: 98001

Profile Number:

099391 SOIL

State Manifest No: NY 8 50 229 3 6

In this wester a non-westernter or westerator? (See 40 CFR 268.2) Check CHR: Romesteveter I Wasterster If this weste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to each restriction that is applicable:

SOCE, PCBe, Acid, Hetals, Cymnides

SOCE, PCBe, Acid, Hetals, Cymnides

1. Identify ALL UMMTA hazardous wests codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wests code, identify the corresponding subcategory, or check SONE if the wasts code has no subcategory. Spent solvent and code, identify the corresponding subcategory, or check SONE if the wasts code has no subcategory. California List treatment standards are listed on the following page. If F039, multi-source leachate applies
those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of
the characteristic and most 260.40 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

<u> </u>	4. US EPA BAZAROCUS WASTE	5. SUBCATECORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CERCE NORE	6. HOW MUST THE VOLUME BE HANGED? BITTER LETTER
EF	CODE(5)	DESCRIPTION NORTH	SARIN MELTON
		x	D
1	P001		l D
2	PO02		İ
_3			<u> </u>
		I me the municipality	monr (vipe
Bas	cardous Commt:	or D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the **P039/U tuent Form* provided (CWM-2004) and check here: **resent in the wasts upon its initial geometrics check here: X **resent in the wasts upon its initial geometrics check here: X **resent in the wasts code(s) and subcategorie(s), use the supplemental sheet provided (CWM-200)	

and check here: SOM MUST THE WARTE HE MANAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or E) below that describes how be waste must be samaged to comply with the land disposal regulations (40 CFR 258.7). Please understand that if you enter be letter \$1, \$2, \$3, \$4 or 0, you are making the appropriate certification as provided below. (States authorized by EPA o manage the LOR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be desceed to refer to those state citations lastead of the 40 CPR

ditations. RESTRICTED WASTE SEQUENES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA

For Basardous Debris: "This hexardous debris is subject to the alternative treatment standards of 40 CPR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS "I certify under penalty of law that I have pursonally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR pert 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or ACRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED MASTES FOR WAICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED DECEMBLOCY (AND THE MASTE BAS BEEN

TREATED BY THAT TECHNOLOGY)

'I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 COOD PAITE AMALYTICAL CERTIFICATION FOR INCIDENATED CHRANICS

"I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the nonwestmenter organic constituents have be treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fund substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwestmenter organic constituents despite having used best good faith efforts to snelyze for such constituents. I am aware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 URCHARACTERIEED WASTE REQUIRES TREATMOST FOR UNDERLYING HASARDOUS CONSTITUENTS "I certify under pensity of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hesardous constituents that require further treatment to meet universal treatment standards. I am meare that there are significant penalties for submitting a

false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective data of probibition in column 6 above.

For Mazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fact 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT PURTHER TREATMENT "I have determined that this waste seets all applicable trestment standards set forth in 40 CFR Part 250 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility numeri above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this cortification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 ASSISLICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 258 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature / Line 1990 Charles Waste Management , Inc. - 05/96 - Porm City - 2005-A

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (UTS) - PRVIDER SIDE ACEVERY AND CALIFORNIA LIST TREATMENT STANDARDS

If the weste identified on the first page of this form is described by any of the following UNEFA hazardons weste code r001, F002, F003, F004, F005, and all solvent constituents will not be munitored by the treater, and/or this hexardons western subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCM Section 3004(d)). in subject to any promibitious identified as Children's List restrictions (40 CFR abs.)2 ann/or stem Section 1000/1.

If each constituent MUST be identified below by checking the appropriate box, and this page soft accompany the shipment, any with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001, D002, D003 or D012-D043 require trustment to 268.48 standards, then the underlying besardous constituent(s) must also be attached.

sardous constituent(s) must al	BOLVZI	T WASTE TERATHER	i e	<u>- —</u>		
FOOI through FOOS spent sol- reat constituents and their	Treatment Standard		FOOI through FOO5 spent sol- went constituents and their associated USEPA hesardorus	Troctment Standard		
associated USEPA hazardous	Hantaretare	Acovestowaters	waste code(4).	Wastmeters	Iomestereter:	
Carbon tetrachloride (POOl)	0.057	6.0	Chlorobenzumm (F002)	0.057	6.0	
o-Dichlorobenzens (7007)	0.048	6.0	Mothylame chlorida (r001, r002)	0.089	30	
Tetrachiorouthylene (F001, F002)	0.056	5.0	1,1,1-Trichlorosthems (F001, F002)	0.054	6.0	
1,1,2-Tricklorosthans (FOO2)	0.054	6.0	Trichlorosthylene (r001, F002)	0.054	6.0	
Trichloromonofluoromethans (FOO2)	0.020	30	1,1,2-Trickloro-1,2,2-triflu growthene (F002)	0.057	30	

. *11 spent solvent treatment standards are measured through a total waste analysis (TCR), unless otherwise noted. Wastewater nits are mg/1, nowantewater are mg/kg.

CALIFORNIA LIST TREADMENT STARU A waste must first be designated as a US restrictions.	ANDS40CFR 268.32,40 CFR 258.42 and RCMA EPA Rezerdous waste before the waste can	be subject to the certification
Decembered sweet a deserrint on	Prohibition	Treatment Standard
louid or nonliquid wester containing	Liquid* wastom: Greater than or equal to 1.000 mg/l	40 CFR 268.42(a)(2) - DECIN OF FSURS
slogensted Organic Compounds listed in	to 1.100 mg/1	
O CFR 268, Appendix III	monliquid wastes: Greater than or equal to 1.000 mg/kg	
Iquid's weates containing Poly	Greater than or equal to 50 ppm	40CFR 258.42(2)(1) - INCIN or PSUBS also see 40 CFR 761.60 and .70
hiorinated Riphenyle (PCBs)	· · · · · · · · · · · · · · · · · · ·	RCRA Section 3004(d)
iquid* wastes containing Metals	One or more of the following metals (or elements) at concentrations greater	HERM SECTION 1004(4)
ote: Besardous westes containing	then or equal to the following: Wickel and/or compounds as #1: 134mg/l	
s, Cd, Cr, Mg, Pb, or 8e must be valuated if not characteristically azardous for that metal	Thallum and/or compounds as Th: 130mg/1	

* - For the definition "liquid" refer to Mathod 9095, the Paint Filter Liquids Test from EPA manual SW-846

SUBCATEGORY REPERENCE

D001:

- A. Ignitable characteristic wastes, except for the 40 CFR 251.21(a)(1) High TOC subcategory, that are managed in non-CMM/non-CMM equivalent/non-Class I 6000 systems
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMR/CMA-equival or Class I SDMA systems.
- C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% total organic carbou.
- 0002:
- D. Corrosive characteristic wastes that are managed in non-CNR/non-CNR-equivalent/non-Class I SUNCA systems
- E. Corrosive characteristic wastes that are managed in CMA, CMA-equivalent, or Class I SNDA systems.

1990 Chemical Waste Hanagement , Inc. - 05/96 - Form CMM-2005-A

PRESS HARD-You Are Writing Through Eight Copies (See Reverse Side for Instructions)

48-14-1 (3/89)---7f



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

Printed:Typed Name

P.O. Box 12820, Albany, New York 12212

e State of type of 15t Stable.	1.0. DOX 1					CONDIA Expires 4-1	
UNIFORM HAZARDOUS WASTE MANIFEST			inifest cument No. 3 0 0 7	2. Page 1		in in the shaded uired by Federal	area Law.
				A. State N	lanifest Docu	ment No.	
3 Generator's Name and Mailing Address LUCAS AERO SPACE ZII SEWARD AVE				N'	/ B502	2299 9	}
211 SEWAY 13502 Generator's Phone 315 773 - 12	- 5 744			B. Genera	tor's ID		
5 Transporter 1 (Company Name)	0	6. US EPA ID Number	11		ransporter's !		
Buffalo Fact Company	CORP.		724			800 677-	300
7 Transporter 2 (Company Name) /		8. US EPA ID Number			ransporter's II		
Designated Facility Name and Site Address		10. US EPA ID Number			acility's ID	1	
CWM CHEMICAL SERVICE 1550 BALMER RD.	es, the	io. dd c. A ib Hamber					
MODEL CITY, N.Y. 1		NYD049830			754-		
11. US DOT Description (Including Proper Ship			12 Conta		Total (14 [Unit 't. Voi, Waste	No
« RQ, H4ZARDOUS WASTE	E, soll	0, N.O.S.		AP	PROX	FOO	
9, NA 3077, III, (1	5001 5 0	(2)	i /5 A 11	/ MIAA	029	7 I STATE	!
	1001, 70	04)	001	C, FIO. (024		
5.						EPA	
						STATE	
c.						EPA	
						STATE	
1.	-					EPA	
						STATE	
J. Additional Descriptions for Materials listed .	Above		<u> </u>	K. Handlir	ng <u>Code</u> s for v	Wastes Listed A	bove
CG9391 FOOZ	c	!		a	L .	c	
		1	• :	b		d (
b	d d						
15 Special Handling instructions and Addition AETS EMERGENCY	nal Information RESPONS	SE NUMBER ((888)	353 -	2387		
15 Special Handling instructions and Addition AETS EMERGENCY SR No. 417790-1	RESPONS	e contents of this consignment are	fully and accur	rately describe	d above by proc	er shoolng hame and har tha locke	in I a
15 Special Handling instructions and Addition AETS EMERGENCY SR No. 417790-1 16 GENERATOR'S CERTIFICATION: There is assisted caused marked and accept and are	RESPONSIBLE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	e contents of this consignment are proper condition for transport by hi- se to reduce the volume and toxicity of storage or disposal currents av-	fully and accur ghway accordi of waste gener	rately describeing to applicate for the der which minimizes	diabove by propi dial hiternational gree in have deter	and har that the mines of teleptors of the range at the	maa noma
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marator Mamo: Profile Number:

099391 SOIL

State Manifest No: NYB 50 2299 9

Is this weste a non-westewater or westewater? (See 40 CFR 268.2) Check ORE: Homestewater & Westewater If this waste is subject to any California List restrictions enter the letter from below (mithur A, B.1, or 8.2) next to

onch restriction that is applicable:

BOCS. PCBs, Acid, Met. BOCs. PCBs, Acid, Metals, Cyanides
1. Identify ALL UCETA hazardous wasts codes that apply to this waste shipment, as defined by 40 CPR 261. For each waste code, identify the corresponding subcategory, or check RORE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and meet 260.40 standards, then the underlying hazardous constituent(s) present in the wasto must be listed and attached.

	4. US EPA BAZARDOUS	5. SUBCATECORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SUPLY CHECK NOW.		6, NOW MUST THE WAST BE MANAGED
RP	CODE(5)	DESCRIPTION	BORE	PROM BELOW
			x	D
1,	F001			, p
2	9002			1
3				
		52, DO03 and DO(2-DO43, underlying hexardous constituent(s) provided (CMM-2004) and check here: a waste upon its initial generation check here: X		

To list additional USEPA waste code(s) and subcategoris(s), use the supplemental sheet provided (CMM-2005-B) and chuck here:

90M MUST THE MARTE HE HARACED? In column 6 above, enter the letter (A, B1, 92, 83, 84, C, D or B) below that describe the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be decemed to refer to those state citations lastead of the 40 CFR ditations.

A. REPURICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA

For Baxardous Debris: "This haxardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS I curtify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and main tained properly so as to comply with the performance Levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or SCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.J COOD PAITH AMALYTICAL CERTIFICATION FOR INCIDENTATED ORGANICS "I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwestewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fund substitution units operating in accordance with applicable technical requirements, and [have been unable to detect the nonwestewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant panalties for submitting a false certification, including

the possibility of fine and imprisonment."

8.4 DECHARACTERIEED WASTE REQUIRES TREATMENT FOR UNDERLYING HARARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 258.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are eignificant penalties for submitting a false certification, including the possibility of fine and imprisonment."

RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.

For Bazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45." RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT SURFRIENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 258 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I curtify under penalty of law that I personally have examined and am familiar with the weate through analysis and testing or through knowledge of the waste to support this cortification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accourate and complete. I am owere that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

B. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the

signature Market Waste Nanagement, Inc. - 05/96 - Form CM-2005-A

LAND DISPOSAL MORIFICATION AND CERTIFICATION FORM (UTS) -REVERSE SIDE SOLVENT AND CALLFORNIA LIST TREATMENT STANDARDS

Leche waste identified on the first page of this form is described by any of the following UBEPA hazardous weste codes:

Oll, FUO2, FUO3, FOO4, FOO5, and all solvent constituents will not be manitored by the treater, and/or this becardous weste
subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or MCRA Section 3004(d)),

a each constituent MUST be identified below by checking the appropriate box, and this page mist accompany the shipment,
and with the previous page of this form. If the waste code FO39 describes this waste, then the corresponding list of
a satisfacts must be attached. If DO01, DO02, D003 or D012-D043 require trustment to 268.48 standards, then the underlying
Describes constituent(8) must also be attached.

sardous constituent(s) must al	8OK, VYJ	T WASTR THEATHER	T STANDARDS			
001 through P005 spent sol- ent constituents and their	Treatment Standard		FOOI through FOOS spent sol- went constituents and their associated USEPA hazardous	Treatment Stendard		
associated USEPA hazardous	Restaurators	Nonvastewaters	weste code(s).	Wastemeters	Normantewate:	
Carbon tetrachloride (2001)	0.057	6.0	Chlorobenzumo (F002)	0.057	6.0	
o-Dichlorobanzana (F002)	0.08	6.0	Mothylene chloride (rooi, rooz)	0.089	30	
Patrachlorouthylene (FOO1, FOO2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthene (F002)	0.054	6.0	Trichlorosthylene (F001, F002)	0.054	6.0	
Trichloromonofluoromethans (FOG2)	0.020	30	1,1,2-Trichloro-1,2,2-triflu croethane (FOO2)	0.057	30	

. All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewatar sits are mg/1, nomestewater are mg/kg.

A weste must first be designated as a US	ARDS-40CFR 268.32,40 CFR 268.42 and RCRA EPA Rezardous waste before the waste can	be subject to the California List
restrictions.		Treatment Standard
Rostricted waste description	Probibition	40 CFR 268.42(a)(2) - INCIN OF FSURS
Liquid or nonliquid wastes containing Balogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid* wastes: Greater than or equal to 1.000 mg/l Bonliquid wastes: Greater than or equal to 1.000 mg/kg	
	Greater than or equal to 50 ppm	40CPR 268.42(a)(1) - INCIN or YSUBS
Iquid wastes containing Poly	Gleates then or odmy so at the	Also see 40 CFR 761.60 and .70
miorinated Riphenyle (PCBs)		RCRA Section 1004(d)
Liquid* wastem containing Metals Note: Hazardous wastem containing As. Cd. Cr. Eg. Pb. or Se must be evaluated if not characteristically hazardous for that metal	One or more of the following metals (or elements) at concentrations greator than or equal to the following; Eickel and/or compounds as #1: 134mg/l Thalium and/or compounds as Th: 130mg/l	ALM SECTION SOCIAL

* - For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquids Test trom EPA manual SW-846

SUBCATEGORY REPERSECE

- D001: A. Ignitable characteristic westes, except for the 40 CPR 261.21(a)(1) High XXX subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I 5000 system
- B. Ignitable characteristic westes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMR/CMR-equival or Class I SDMA systems.

 C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbou.
- 0002: D. Corrosive characteristic wastes that are managed in non-CMA/non-CMA-equivalent/non-Class I SOMA systmes
- E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SMDA systems.

1990 Chumical Waste Humagement , Inc. - 05/96 - Form CMM-2005-A

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PRESS HARD—You Are Writing Through Eight copies (See Reverse Side for Instructions)

3-14-1 (3/89)-7f



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

ease print or type. Do not Staple.

Printed/Typed Name

P.O. Box 12820, Albany, New York 12212

Form Approved GMB No. 2050-0039. Expires 9-30-94.

	,, ,		3			= Apr. 13 3.00.34
OTTO OTTO TIALATEDOOG	or's US EPA No. Mar 0 2 2 4 4 9 1 1 1 9 8	rifest rument No.	2 P	age 1 Informa of is not re	tion in the	e shaded areas y Federal Law
3 Generator's Name and Mailing Address	<u> </u>	0.0.0		tate Manifest Po	sument \	51 9
211 SEWARD AVE 13502-5749				enerator's ID) <u> </u>	<u> </u>
5. Transporter 1 (Company Name) Buffills Fuel Company (aco.	6. US EPA ID Number WY R 0 C 0 0 4 5	7 24		tate Transporter		046 U 677-8002
7. Transporter 2 (Company Name)	8. US EPA ID Number		E. St	tate Transporter's	s ID	1
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES IN	10. US EPA ID Number		G. S	tate Facility's ID		
MODEL CITY, NY, 14107	NY DO4 9836	679		acility's Phone (716) 754	-823	3 /
11. US DOT Description (Including Proper Shipping Name, H	Hazard Class and ID Number)	12. Cont	ainers Type	13. Total Quantity	14 Unit Wt/Va	I. Waste No.
* RQ, HAZARDOUS WASTE, SOLID				Approx	-	FOOI STATE
9, NA 3077, III, (F001	, F∞2)	001	CM	00020	T	EPA
		, ,		: 1	_	STATE
C.					 	EPA
d.						STATE EPA
					-	STATE
J. Additional Descriptions for Materials listed Above			К. н	andling Codes fo	r Wastes	Listed Above
a CG 9391 F002 , c		•	a		С	
b		<u>†</u>	b		đ	
15 Special Handling Instructions and Additional Information AETS EMERGENCY RESPONSE		a) 35	53 -	-2387		
5R No. 417790-Z						
16 GENERATOR'S CERTIFICATION: hereby declare that it assisted packed marked and abeled, and are in all respects in regulations and state laws and regulations.	n proper condition for transport by hig	hway accord	ing to as	oplicable internation	nai ani na	rional governitent
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Printed Types Name MC/M2 SUESSON	Signatura	1	ine.		c.	2105198
17 Transporter 1 (Acknowledgement of Receipt of Materials PrintegiTyped Name)	Signature/	?	,		1,1	o Day Year
18 Transporter 2 (Acknowledgement or Receipt of Materials	1 Gully	1.0	بهندي	47	Ø	205198
Printed/Typed Name	Signature					o Da. Year
19. Discrepancy Indication Space	100000000000000000000000000000000000000				1	
20. Facility Owner or Operator, Certification of receipt of ha	azardous materials covered by thi	s manifest	except	as noted in Item		

Signature

merator Mame:

Profile Number:

099391 BOIL

LUCAS AKROSPACE

Manifest Dog. No.: 98008

State Manifest No: NYB 4310019

Is this wests a non-westewater or westewater? (See 40 CTR 258.2) Check ORE: Homestewater X Westewater If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to each restriction that is applicable:

each restriction that is applicable:

NOCS, PCES, Acid, Metals, Cyanides

Identify ALL UNEXTS hazardous wasts codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify ALL UNEXTS hazardous wasts codes that apply to this waste code has no subcategory. Spent solvent and code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and code, identify the corresponding subcategory. To check NONE if the waste code has no subcategory. Spent solvent and code, identify a subcategory or check NONE if the waste code has no subcategory. Spent solvent and code, identify a subcategory or check NONE if the waste code has no subcategory. Spent solvent and code, identify a subcategory or check NONE if the waste code has no subcategory. Spent solvent and code, identify a subcategory or check NONE if the waste code has no subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory or check NONE if the waste code has no subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. Spent solvent and code, identify a subcategory. S the characteristic and meet 260.40 standards, then the undarlying hazardous constituent(s) present in the wasto must be listed and attached.

. 1	4. US EPA BAZARDOUS	5. SUBCATEOURY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CRECK NORT		6. NOW MUST THE MASTE BE MAURISON ENTER LETTER
REF	CODE(5) UESCRIPTION		BORE.	PROM HECLOW
			×	
_1;	F001			P
2	A003			
3				
	· ·	or D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the	a 77039/0m	darlying
Ba:	rardous Consti	or D001, D002, D003 and D012-H044, uncertying matricular tometation, tometation to matricular tometation check here: treeent in the waste upon its initial geometrics check here: X all USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided		

HOW MUST THE WASTE HE MARAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or B) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 258.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (Statos authorized by EPA to manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be decomed to refer to those state citations instead of the 40 CPR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA

For Hakardons Debris: "This hazardons debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS I curtify under penalty of law that I have pursonally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility

of fine and imprisonment." B.2 RESTRICTED MASTES FOR WELCH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN

THEATED BY THAT TECHNOLOGY) "I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CPR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine

and imprisonment." B.3 COOD PAITH AMALYTICAL CERTIFICATION FOR INCIDENATED ORGANICS "I cartify under penalty of law that I have personally examined and as familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the normantementer organic constituents have be treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in funl substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonweatswater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIEED WASTE REQUIRES TREATMENT FOR UNDERLYING HASARDOMS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am means that there are significant penalties for submitting a false cartification, including the possibility of fine and imprisonment."

RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of probibition in column 6 above.

For Bazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45." RESTRICTED MASTE CAN BE LAND DISPOSED WITHOUT PURISHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels sat forth in Section 268.32 or SCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I certify under penalty of law that I personally have somewined and am familiar with the weste through analysis and testing or through knowledge of the weate to support this cortification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accourate and complete. I am oward that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Title EN EX MONTH CON Date 2-5-98

1990 Chemical Waste Nanagement , Inc. - 03/96 - Form COM-2005-A

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (UTS) - REVERSE SIDE

SCHUERT AND CALLFORNIA LINT TREATHERT STANDARDS

the weste identified on the first page of this form is described by any of the following UBEFA hazardous weste code 101, FUO2, FUO3, FUO4, FUO5, and all solvent constituents will not be scritted by the treater, and/or this becardons wested by the treater, and/or this becardons wested to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or NCRS Section 1004(d)).

1 040h constituent NUST be identified below by checking the appropriate box, and this page must accompany the shipment, og with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of mistituents must be attached. If D001, D002, D003 or D012-D043 require trustment to 268.48 standards, then the underlying

sardous constituent(s) must ali	SOLVEI	FT WASTE TEXATREM	T STANDARDS			
001 through F005 spent sol- sent committuents and their	Treatment Standard		FOOI through FOOS spent sol- vent constituents and their associated USEPA hazardous	Treatment Stendard		
ssacciated USEPA hazardous	Wastewaters	Annesteratura	weste code(s).	Wastoweters	Homesterater:	
Parton tetrachloride (P001)	0.057	6.0	Chlorobenzano (FQ02)	0.057	6.0	
o-Dichlorobanzane (FO02)	0.088	6.0	Methylene chlorids (r001, r002)	0.089	30	
Tetrachlorosthylens (7001, 7002)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthens (FOO2)	0.054	6.0	Trichlorosthylene (r001, F002)	0.054	6.0	
Trighloromomofluoromethane	0.020	30	1,1,2-Trichloro-1,2,2-triflu oromthene (FOO2)	0.057	30	

'll spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater nits are mg/1, nowmatewater are mg/kg.

t waste must first be designated as a US	AMDS-40CFR 268.32,40 CPR 268.42 and RCMA S MPA Haxardous waste before the waste can	ha subject to the carriers
restrictions.	Prohibition	Treatment Standard
Restricted waste description iquid* or nonliquid wastes containing Ralogenated Organic Compounds listed in 60 CFR 258, Appendix III	Liquid* wastes: Greater than or equal to 1.000 mg/l monliquid wastes: Greater than or equal to 1.000 mg/kg	40 CFR 268.42(a)(2) - INCIN OF FSURS
Iquid's wastes containing Poly hiorinated Riphenyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN OF F8USS Also see 40 CFR 761.60 and .70
ciquid* wastem containing Metals lote: Basardous wastem containing ls. Cd. Cr. Hg. Pb. or Se must be evaluated if not characteristically maxardous for that metal	One or more of the following metals (or elements) at concentrations greator then or equal to the following: mickel and/or compounds as #1: 134mg/l Thalium and/or compounds as Th: 130mg/l	RCRA Section 3004(d)

* - For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquids Test from KPA manual ow-846

SUBCATEGORY REFERENCE

- A. Ignitable characteristic westes, except for the 40 CFR 251.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I 5000 system
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcatagory, that are managed in CMR/CMR-equival or Class I SDMA systems.

 C. Bigh TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbou.

D002:

- D. Corrosive characteristic wastes that are managed in non-CNA/non-CNA-equivalent/non-Class I SDNA systems
- E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SMDA systems.

PRESS HARD-You Are Writing Through Eight copies (See Reverse Side for Instructions)

48-14-1 (3/89)---7f



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

		2820, Albany, New	101K 12212	-01111		1050-0039 Expires 3-30-34
UNIFORM HAZARDOUS WASTE MANIFEST	WYDOC	S US EPA NO. 012244911	Manifest Posiment P 800	91	of is not re	tion in the shaded are equired by Federal La
3. Generator's Name and Mailing Address LUCAS ACRO SPACE 211 SEW4RD AVE UNICA, NY 13502-5 4. Generator's Phone (3:5) 793-1	749				NY B 43 Senerator's ID	
5. Transporter 1 (Company Name)		6. US EPA ID Numb		i c s	itate Transporter's	
Bulfulo Fuel Com	one Corp.	NYRODOC				e (800)671-31
7. Transporter 2 (Company Name)	/ 1	8. US EPA ID Numb			tate Transporter's	
			1 1 1 1	F. T	ransporter's Phon	e ()
9. Designated Facility Name and Site Addi	ICES INC	10. US EPA ID Num	per		State Facility's ID	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
MODEL CITY N.Y. 141		N 4 D 0 4 98	3667	9 H. F	facility's Phone (7/6) 754-	8z31
11. US DOT Description (Including Proper	-	zard Class and ID Numb	12.	Containers	13. Total Quantity	14. Unit 1. Wt/Voii Waste No
a RQ, HAZARDOUS WAS Q, NA 3077, III,	TE, SOLIO,	N.O.S.;			APPROX	EPA FOO
9, NA 3077, III,	(FO01) FO	202)		مد سراً ،	. • • • • • • • • • • • • • • • • • • •	
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b.						EPA
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C.				1	<u> </u>	EPA
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d.					1	EPA
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J. Additional Descriptions for Materials list	ted Above			K. F	landling Codes to	r Wastes Listed A <u>bo</u> r
a CG9391 FOOZ ,	l c		1 4 1	a	L	
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b i •						
15 Special Handling instructions and Add	ditional Information			Ь		d L
		NUMBER	(888) - 3	353-	2387	
AETS EMERGENCY R						
SR No. 417790-						
SR No. 417790-	hereby declare that th	e contents of this consignm	ent are fully and	accurately d	escribed above by pr	oper shipping name and
SR No. 417790— 16 GENERATOR'S CERTIFICATION: 11 Diassified packed, marked and labeled, and regulations and state laws and regulations.	nereby declare that the are in all respects in	proper condition for transpo	rt פע חופאר אפ זי	coording to a	ipplicable internation	nak and hat onak pokernn
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SR No. 417790— 16 GENERATOR'S CERTIFICATION: blassified backed, marked and labeled, and regulations and state laws and regulations of the majoraticable and that in have selected the prachability and the environment OR it is am a small health and the environment OR it is am a small health and the environment OR it is am a small health and the environment.	nereby Jeclare that th are in all respects in it! have program in plac- ticable method treatme	proper condition for transpo ce to reduce the volume and ent, storage, or disposal curr	rt by highway a oxidity of waste ently available fi	generated to the which h	ipplicable internation the degree inaveide nicimizes the present	termined to be education (termined to be education (termined to be education (tend future intredit to nument method that is 4x3) Mo. Dav.
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SR No. 417790— 16 GENERATOR'S CERTIFICATION: biasshed backed, marked and labeled, and regulations and state awar and regulations. if I am a varige quantity generator 1 persify that brackleable and that I have selected the pract health and the environment OR I I am a small to me and that I can afford Printed/Typed Name Mushum Calling 17. Transporter 1 (Acknowledgement of Re	nereby declare that the are in all respects in all respects in all the second in place of the second in place of the second in generator, I have made	proper condition for transpo de to reduce the volume and ent, storage, or disposal durr de a good faith effort to mini Signator	rt by highway a oxidity of waste ently available fi	generated to the which h	ipplicable internation the degree inaveide nicimizes the present	termined to be economic termined to be economic termined to be economic termined for the economic tent method that is available. Mo Dav.
SR No. 417790— 16 GENERATOR'S CERTIFICATION: plassified backed, marked and labeled, and regulations and state laws and regulations, if it am a large quantity generator it perify that practicable and that it have serected the prace health and the environment OR it is am a small to me and that it can afford. Printed/Typed Name. 17. Transporter 1 (Acknowledgement of Respirited/Typed Name) Printed/Typed Name Printed/Typed Name Since	nereby declare that in are in all respects in all respects in all respects in all thave program in placticable method treatment generator. I have made eccept of Materials)	proper condition for transpo ce to reduce the volume and ent, storage, or disposal curr	rt by highway a oxidity of waste ently available fi	generated to the which h	ipplicable internation the degree inaveide nicimizes the present	termined to be education (termined to be education (termined to be education (tend future intredit to nument method that is 4x3) Mo. Dav.
SR No. 417790— 16 GENERATOR'S CERTIFICATION: biassified backed, marked and labeled, and regulations and state away and regulations. If am a large bunch, ponerator is perify that brackloable and that i have selected the prace health and the environment OR it is am a small to me and that is an afford. Printed/Typed Name 17. Transporter 1 (Acknowledgement of Re Printed/Typed Name 18. Transporter 2 (Acknowledgement or Re	nereby declare that in are in all respects in all respects in all respects in all thave program in placticable method treatment generator. I have made eccept of Materials)	proper condition for transpose to reduce the volume and ent, storage, or disposal currie a good faith effort to minit	rt by highway a oxidity of waste ently available fi	generated to the which h	ipplicable internation the degree inaveide nicimizes the present	termined to be economic sand future impact to be economic sand future impact to human ment method that is available. Mo Dav. Mo Dav. Mo Dav. OD C S S
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State Manifest No: NYB 4310028

Profile Number:

09391 80IL

Is this waste a non-wastewater or wastewater? (Som 40 CFR 268.2) Check OM: Homestewater X Hastewater : If this waste is subject to any California List restrictions enter the letter from below (mither A, B.1, or B.2) next to each restriction that is applicable:

BCCs. PCBs, Acid, Metals, Cyanides

1. Identify ALL UMEPA hazardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check NORE if the wasta code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source les those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and meet 260.48 standards, then the underlying hazardous constituent(s) present in the wasto must be listed and attached.

1	4. US EPA BAZARDOUS	5. SUBCATECORY ENTER THE SUBCATECORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORE		6. SOM HILE. THE WAST
EP	COOR(S)	DESCRIPTION	BCM.E	PROM RELON
			x	D
1	F001		*	į D
2	9002			
3				
		pools and D012-D043, underlying hexardous constituent(s), myided (CMM-2004) and check here: waste upon its initial generation check here: X		

To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-2005-B) and check here: SOM MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or B) below that describes how

he waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States authorized by EPA to monage the LOR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your cartification will be deemed to refer to those state citations instead of the 40 CPR ditations.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CPR Part 268 Subpart D, 268.32, or RCRA

For Hamardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDANDS "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and main tained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 258.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility

B.2 RESTRICTED WASTES FOR WHICH THE TREATHERY STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN of fine and imprisonment."

THRATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant punalties for submitting a false certification, including the possibility of fine and imprisonment."

B.J COOD PAITH AMALYTICAL CERTIFICATION FOR INCIDENATED ORGANICS

"I cortify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the normantemater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and [have been unable to detect the normastemater organic constituents despite having used best good faith efforts to analyze for such constituents. I am sware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

H.4 DECHARACTERIEED WASTE REQUIRES TREATMENT FOR UNDERLYING HASARDOUS CONSTITUENTS "I certify under panalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a

false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of probibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

RESTRICTED MASTE CAR BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 250 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCMA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I curtify under penalty of law that I personally have examined and am familiar with the weate through analysis and testing or through knowledge of the weste to support this cortification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 HEBITALCTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 258 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the

Bignature 1990 Chemical Waste Management , Inc. - 05/96 - Form CM-2005-A

LAND DISPOSAL MOTIFICATION AND CHRIPICATION FORM (UTS) - REVERSE SIDE

SCHVERT AND CALIFORNIA LINT TREATMENT STANDARDS

the waste identified on the first page of this form is described by any of the following UNERA hazardons weste codes: on, your, roos, roos, and all solvent constituents will not be sonitored by the treater, and/or this bexardous wester object to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 1004(d)). ubject to any prominitions tormitized as Christoffils list restrictions (40 CFR 405.32 and/or mins section 1004(a)),
each constituent MIST be identified below by checking the appropriate box, and this page mist accompany the shipment,
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minituality must be attached. If D001, D002, D003 or D012-D043 require trustment to 268.48 standards, then the underlying
issidous constituent(s) must also be attached.

particults destituent(s) must al	80LVZI	T WASTE TELECHEM				
101 through P005 spent sol-	Treatment Standard		POOI through FOO5 spent sol- vent constituents and their associated USEPA hazardous	Treatment Standard		
ssociated USEPA hazardous sate code(s).	West ame tors	Nomestowaters	waste code(s).	Mastewaters	Sommesteratari	
arbon tetrachloride (P001)	0.057	6.0	Chlorobenzano (F002)	0.057	6.0	
o-Dichlorobenzene (FOO2)	0.088	6.0	Methylene chioride (rooi, rooz)	0.089	30	
Natrachlorouthylene (7001, 7002)	0.056	5.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
(,1,2-Trichlorosthans (F002)	0.054	6.0	Trichlorosthylene (r001, F002)	0.054	6.0	
Trichloromomofluoromethens (FOG2)	0.020	30	1,1,2-Trichloro-1,2,2-triflu orosthene (FOO2)	0.057	30	

I spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater its are mg/1, nowmatewater are mg/kg.

l waste must first be designated as a US	ANDS40CFR 268.32,40 CFR 268.42 and RCRA EPA Hazardous waste before the waste can	
cetrictions.	Prohibition	Treatment Standard
Restricted waste description iquid* or nonliquid wastes containing lalogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid* westes: Greater then or equal	40 CFR 258.42(a)(2) - DRCIN OF FSURS
Iquid* wastes containing Poly Chiorinated Biphenyls (PCBs) Liquid* wastes containing Metals	to 1.000 mg/kg Greatur than or equal to 50 ppm One or more of the following metals	40CFR 268.42(a)(1) - INCIN or F8U88 Also see 40 CFR 761.60 and .70 RCRA Section 3004(d)
iote: Hasardous wastes containing As. Cd. Cr. Eg. Pb. or Be must be evaluated if not characteristically hazardous for that metal	(or elements) at concentrations greator then or equal to the following: Mickel and/or compounds as #1: 134mg/1 Thalium and/or compounds as Th: 130mg/1	

* - For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquids Test from EPA manual SW-846

SUBCATEGORY REPRESENCE

- A. Ignitable characteristic wastes, except for the 40 CPR 261.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I 5000 systems
- 3. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMR/CMR-equival or Class I 3040 systems.

 C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbon. D002:
- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SOWA systems
- B. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

1990 Chumical Waste Management , Inc. - 05/96 - Form CWM-2005-A

PRESS HARD—You Are Writing Through Eight Copies (See Reverse Side for Instructions)

3-14-1 (3/89)--7f

Printed/Typed Name



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

	ox 12820, Albany, New		=orm 4	Approved, OMB No. 2	050-0039 Expires 3-30-94
ONII ONII HAZANDOOS	ator's US EPA No.	Manifest Document No.	2. Pa		ion in the shaded areas quired by Federal Law
3. Generator's Name and Mailing Address LUCAS AELO SPACE ZII SEWARD AVE UTICA NY. 13502-5749 4. Generator's Phone (3.5) 793-124/	1			ate Manifest Doc NY B 43 enerator's ID	31004 6
5. Transporter 1 Company Namel	6. US EPA ID Numbe	118 - 3 - 11		ate Transporter's ansporter's Phon	
7 Transporter 1: (Company Name) Price Trucking Cofp	8. US EPA ID Numbe		E. St	ate Transporter's ansporter's Phon	10 2063 A3M
9 Designated Facility Name and Site Address CWM CHEMICAL SERVICES, I 1550 BALMER 20.	NC, 10 US EPA ID Numb		-	ate Facility's ID	, , , , , , , , , , , , , , , , , , , ,
MODEL CITY, N.Y. 14107	N 400 498	36679		acility's Phone 714) 754 -	-8231
11. US DOT Description (Including Proper Shipping Name		er) 12. Cont	ainers Type	13. Totai Quantity	14. Unit Wt:Vo. Waste No.
a RQ, HAZARDOUS WASTE, S	•	;		EST	EPAF001
9, NA 3077, III, (FOOI, F	(002)	001	CM	00020	T STATE EPA
J.					STATE
D.					EPA
				4 · · · · · · · · · · · · · · · · · · ·	57A7E
d.					STATE
J. Additional Descriptions for Materials listed Above			К. Н	andling Codes for	r Wastes Usted Apove
a CG9391 F002	-	1 1	a		c Li
b d		<u> </u>	b		đ
15. Special Handling Instructions and Additional Informal AETS EMELGENCY RESPONSE SR NO. 417790-45 16. GENERATOR'S CERTIFICATION: hereby declare the plassified, packed in afreed and abelied, and are in all respect regulations and state laws and regulations. If iam a large quantity spherator is bentify that I have program as	hat the contents of this consignments in proper condition for transpo	rt by highway accord	rately de	ischbed above tv pr ppikable internation	à si
practicable and that indive selected the practicable method tre health and the environment IDR if I am a small generator. I have to me and that I can afford	eatment, storage, or disposal ourn e-made a good faith effort to minir	ently available to me	which m	inimizés the present	and the second
Printed Typed Name MICHTHE PLEASON	Signay		1		0305.98
Printed:Typed Name WAIT Difficulty 18 Transporter 2 Acknowledgement of Receipt of Materi	Signature	Della			2 518
Printed/Typed Name	Signature		/		· · · · · · · · · · · · · · · · · · ·
19 Discrepancy indication Space					

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 13

Signature

(

C

enerator Name:

LUCAS AEROSPACE

- Cile Mumber:

009391 80TL

State Manifest No: NYB 431004 6

Is this weste a non-wastemeter or westewater? (Som 40 CFR 168.2) Check Off: Homestewater & theterater If this waste is subject to any California List restrictions enter the letter from below (mither A, B.1, or B.2) next to mach restriction that is applicable:

MCCs. PCBs, Acid, Metals, Cyanides
dentify ALL UMMER heserdous wasts codes that apply to this wasts shipment, as defined by 40 CPR 261. For each wasts sode, identify the corresponding subcategory, or check SONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and most 260.48 standards, then the undarlying hazardous constituent(s) present in the wasto must be listed and attached.

4. US EPA BAZARDOUS	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORE		
CODE(5)	UPSCRIPTION	ECRE	PROM BELO
P001		×	<u> </u>
) <u>x</u>	D
PO02			İ
			<u> </u>
, t	0003 and D0(2-D043, underlying hexardous constituent(s	i	i .

Jazardons Constituent Fors" provided (CMM-2004) and check here:

IT so Unce are present in the waste upon its initial generation check here: X To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-2005-B)

and check here:

W MUST THE WASTE HE MANAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or B) below that describe the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter \$1, 82, 83, 84 or 0, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where then gulatory citations differ, your certification will be decemed to refer to those state citations instead of the 40 CFR

RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA

For Basardous Debrie: "This hazardous debris is subject to the alternative treatment standards of 40 CVR Part 258.45."

I RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally exemined and am familiar with the treatment technology and openation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or ACRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATHERT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE SAS BEFOR

TREATED BY THAT TECHNOLOGY) "I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant possities for submitting a false certification, including the possibility of fine

and imprisonment."

B.3 COOD PAITH ANALYTICAL CERTIFICATION FOR INCIMERATED ORGANICS "I carrify under panalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwestewater organic constituents have be treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have be unable to detect the nonwestewater organic constituents despite having used best good faith efforts to enalyse for such constituents. I am sware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIBED MASTE AMQUIRES TREATMENT FOR UNDERLYING HAMARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 266.4G to remove the hazardous characteristic. This decharacterized waste contains underlying basardous constituents that require further treatment to meet universal treatment standards. I am meare that there are eignificant populties for submitting a

false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIABCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.

For Eszardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

D. RESTRICTED MASTE CAR BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or SCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is saintained at the treatment, storage and disposal facility newed above." "I curtify under pensity of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the weste to support this contification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I beliave that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

B. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 HESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and securate, to the

best of my knowledge and information

Title EVIEWELT COST 1990 Chemical Waste Management , Inc. - 05/96 - Form CMM-2005-A

2 Dato 2-5-X

Signature

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (UTS) - REVERSE SIDE SOLVENT AND CALIFORNIA LIST TREATMENT STREETANDS

if the waste identified on the first page of this form is described by any of the following USEFA bezardous weste codes: 7001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, and/or this bexardown wests in subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), is subjoint to may promibitious towartitied as Unitionia bist restrictions (40 UPR 458.32 and/or mine Section June(0)),
in each constituent MIST be identified below by checking the appropriate box, and this page mist accompany the shipment,
in gwith the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of
the mixturents must be attached. If D001, D002, D003 or D012-D043 require trustment to 268.48 standards, then the underlying
besardous constituent(s) must also be attached.

sardous constituent(s) must al	90r. 77.1	T WASTE TERATHER	T STANDARDS			
7001 through P005 spent sol- pent constituents and their	Treatment Standard		POOL through POOS spont sol- vent constituents and their associated USEPA hazardous	Treatment Standard		
ssociated USEPA hazardous asta code(s).	Haulawatere	Nomesteratura	waste code(s).	Wastensture	Formesterater	
Carbon tetrachloride (POO1)	0.057	6.0	Chlorobeuguno (F002)	0.057	6.0	
o-Dichlorobenzens (FO02)	BPO_O	6.0	Methylene chlorida (r001, r002)	g.089	30 	
Tetrachioromthylene (F001, F002)	0.056	6.0	1,1,1-Trichlorosthams (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthane (FOO2)	0.054	6.0	Trichlorosthylene (r001, F002)	0.054	6.0	
Trichloromonofluoromethans (FOOZ)	0.020	30	1,1,2-Trichloro-1,2,2-triflu orosthene (F002)	0.057	30	

"ll spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater nits are mg/1, nowastewater are mg/kg.

CALIFORNIA LIST TREADMENT STARD A weste must first be designated as a US restrictions.	ANDS-40CFR 268.32,40 CPR 258.42 and RCRA EPA Raxardous waste before the waste can	be subject to the deliteration
	Prohibition	Treatment Standard
Restricted waste description Liquid* or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid wastes: Greater than or equal	40 CFR 268.42(a)(2) - INCIN OF FSURS
Elquid wastes containing Poly	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN OF FRUBS Also see 40 CFR 761.60 and .70
Chlorinated Biphwnyls (PCBs) Liquid* wastes containing Metals	One or more of the following metals (or elements) at concentrations greater	RCRA Section 3004(d)
Note: Basardous wastes containing As, Cd, Cr, Eg, Pb, or Se must be evaluated if not characteristically hazardous for that metal	then or equal to the following: wickel and/or compounds as Ni: 134mg/l Thalium and/or compounds as Th: 130mg/l	

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test from KPA macual 6W-846

SUBCATEGORY REFERENCE

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I 5040A system B. Ignitable characteristic vestes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMR/CMA-equival
- or Class I SDMA systems. C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbou.
- 0002: D. Corrosive characteristic wastes that are managed in non-CNDA/non-CNDA-equivalent/non-Class I SONDA systems E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

1990 Chumical Wante Management , Inc. - 05/96 - Form CMM-2005-A

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8-14-1 (3/89)--7f



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

lease print or type. Do not Staple. P.O. E	Box 12820, Albany, New Yo	ork 12212	Form Ap	proved CMB No 2	050-0039 E	xpires 9-30-94
ONII ONII HAZARDOOS	erator's US EPA No. 0 0 2 2 4 4 9 1 1 5	Manifest Dogument No.	2. Pag 1 of			shaded areas Federai Law.
3. Generator's Name and Mailing Address LUCAS AEROSPACE 211 SEWARD AVE UTICA, N.Y. 4. Generator's Phone 315: 743-1241				te Manifest Poc NY B 43 nerator's ID SAME	100	5 5
5. Transporter 1 (Company Name)	6. US EPA ID Number		C. Sta	te Transporter's	10 46	7377
B. Ffelo Fuel Company Co	CO. WYR DOOOL	45724				677-8002
7. Transporter 2 (Company Name)	8. US EPA ID Number		E. Sta	te Transporter's	ID	
			 	nsporter's Phon	e ()	J
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, T 1550 BALMER RD.	NC.		G. Sta	te Facility's ID		
MODEL CITY, NY. 14107	[NYD D 498]		(*	7/6) 754		31
11. US DOT Description (Including Proper Shipping Nar	ne. Hazard Class and ID Number)	12. Cont	ainers	13. Total	14. Unit	l.
			Туре	Quantity	W t/Vail	Waste No.
a RQ, HAZARDOUS WASTE, SOLI	0, N.O.5.,			APPROX		^{EPA} FOOI
9, NA 3077, III, (FOOI, FO	302)	001	CMC	0020		STATE
b.						EPA
				1 1 1	-	STATE
C.			 	1 1 1 1		EPA
				1 1 1 1	_	STATE
g d.			 			EPA
				1 2 3 4	_	STATE
J Additional Descriptions for Materials listed Above			K. Hai	ndling Codes fo	r Wastes	Listed Above
aCG9391 F02	•			~	! _	
a Coi p 11 (co 2)	С	<u> </u>	a	<u> </u>	<u> </u>	
b	d	<u> </u>	ь		d	
15 Special Handling instructions and Additional Inform AETS EMERGENCY RESPONSE SR NO. 4177790 - 846 16 GENERATOR'S CERTIFICATION: hereby declare; assirted backed marked and labeled and are in all responding and state laws and regulations. 1 am all arge quantity generator (certify that I have program cracticable and that inave selected the graphicable method health and the environment D9 if I am all small generator, I have meand that i can afford.	that the contents of this consignment ects in proper condition for transport t n in place to reduce the volume and tox treatment, storage, or disposal current	are fully and accept highway accordicity of waste generally available to me	urately designing to appearated to the which min	cribed above by production of the degree I have determined the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the presentation of the pre	term Lanc	
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17 Transporter 1 (Acknowledgement of Receipt of Mat	erials)	-A0	~			<u> </u>
Printed Typed Name Na VE Boshe	Signature	me t	Sa.	her	 	805198
18 Transporter 2 (Acknowledgement or Receipt of Mat	erials)					
Printed/Typed Name	Signature					i. rear
19. Discrepancy Indication Space						-

20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Mamifest Dog. Ho.: 98011 LUCAS AEROSPACE

secutor Mame: Profile Mumber:

099391 BOIL

State Manifest No: NYB4310055

Homestowater X Wastewater In this waste a non-westewater or westewater? (See 40 CFR 168.2) Check Offi: If this waste is subject to any California List restrictions enter the letter from below (mither A, B.1, or B.2) next to

each restriction that is applicable:

BOCs. PCBs, Acid, Metals, Cyanides

BOCs. PCBs, Acid, Metals, Cyanides

1. Identity ALL UNERA hazardous wasta codes that apply to this waste shipment, as defined by 40 CPR 261. For each waste code, identify the corresponding subcategory, or check RORE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D063 requires treatment of the constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D063 requires treatment of the constituents must be listed and attached by the generator. the characteristic and meet 260.48 standards, then the underlying hazardous constituent(s) present in the wasto must be listed and attached.

- + -	4. US EPA BAZARDOUS	5. SUBCATECORY ENTER THE SUBCATECORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CEECK NOWE		6. HOW HUST THE WASTE BE HANAGED? BRIER LETTER
REP	CODE(S)	DESCRIPTION	HOME	MACH REPOR
			x _	۵
;	F001		T	D
2	PO02		==	1
3				
Ba:	rardous Consti	or D001, D002, D003 and D012-D043, underlying bexardous constituent(s), use the "g tuent Form" provided (CWM-2004) and check hero: resent in the waste upon its initial generation check hero: X at USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CMM-2004).		

SOM MUST THE WASTE HE MANAGED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or B) below that describes how the waste must be sanaged to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter 81, 82, 83, 84 or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LOR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

8.1 RESTRICTED WASTE TREATED TO PERPORMANCE STANDARDS "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and main tained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions sat forth in 40 CFR 258.32 or SCRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS REEN of fine and imprisonment."

THEATED BY THAT TECHNOLOGY)

"I certify under penelty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

8.3 COOD PAITE AMALYTICAL CERTIFICATION FOR INCIDENATED ORGANICS "I cartify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwesterator organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been constituted as a substitution units operating in accordance with applicable technical requirements, and I have been constituted as a substitution units operating in accordance with applicable technical requirements. unable to detect the nonventementer organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIEED WASTE REQUIRES TREATMENT FOR UNDERLYING HASARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 258.40 to remove the hexardous characteristic. This decharacterized waste contains underlying hexardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

D. RESTRICTED WASTE CAR BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 258 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I curtify under penalty of law that I personally have examined and so familiar with the wests through analysis and testing or through knowledge of the waste to support this coxtification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am ownre that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information

Signature / Fitte EN Ray and an Conf.
1990 Chemical Waste Management , Inc. - 05/96 - Form Conf. 2005-A Date 2-5-98

LAND DISPOSAL MOTIFICATION AND CERTIFICATION FORM (UTS) - REVERSE SIDE

SCHWENT AND CALLFORNIA LIST THEATHERT STANDARDS

E the waste identified on the first page of this form is described by any of the following UNKFA hazardous weste code the waste identified on the first page of this form is described by any of the following unara hazardous waste codes:

301. F002, F003, F004, F005, and all solvent constituents will not be munitored by the treater, and/or this becardous waste

1 subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section J004(d)).

1 sech constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment,

3 with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of

20 with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of

20 with the previous page of this form. If the waste code F039 describes this waste, then the underlying

20 with the previous page of this form. If the waste code F039 describes this waste, then the underlying

21 wastellows constituent(s) must also be ettached.

mardous constituent(s) sunt al	9OL VIL	IT WASTE TERRATHED	T STANDARUS			
001 through P005 spent sol-	Treatment Standard		FOOI through FOOS spent sol- vent constituents and their associated USEPA hasardous	Treatment Stendard		
associated USEPA hazardous	Municipaters	Monrestmaters		Westmenters	formustawater:	
Carbon tetrachloride (POOL)	0.057	6.0	Chlorobenzano (F002)	0,057	6.0	
o-Dichlorobenzens (FOG2)	O.ORR	6.0	Mothylene chloride (r001, r002)	0.089	30	
Tetrachlorouthylene (Y001, Y002)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthane (F002)	0.054	6.0	Trichlorosthylene (F001, F002)	0.054	6.0	
Trichloromonofluoromethana (F002)	0.020	30	1,1,2-Trichloro-1,2,2-triflu growthame (F002)	0.057	30	

ll spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater nits are mg/1, nowmastewater are mg/kg.

A weste must first be designated as a US	ASIDS40CFR 268.32,40 CFR 268.42 and RCRA EPA Hazardous waste before the waste can	
restrictions.	Prohibition	Treatment Standard
Restricted waste description Liquid* or nonliquid wastes containing Halogeneted Organic Compounds listed in 40 CFR 268, Appendix III Liquid* wastes containing Poly	Liquid' wastes: Greater than or equal	40 CFR 268.42(a)(2) - INCIN or FSURS 40 CFR 268.42(a)(1) - INCIN or FSUSS Also see 40 CFR 761.50 and .70
Chlorinated Biphenyls (PCBS) Liquid* wastes containing Matals Note: Basardous wastes containing As, Cd, Cr, Ng, Pb, or Ne must be evaluated if not characteristically hazardous for that metal	One or more of the following metals (or elements) at concentrations greator than or equal to the following: Mickel and/or compounds as #1: 114mg/l Thallum and/or compounds as Th: 130mg/l	RCRA Section 3004(d)

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test from KPA manual aw-846

SUBCATEGORY REFERENCE

D001:

- A. Ignitable characteristic wester, except for the 40 CFR 261.21(a)(1) High XOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I 50MA system
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA-equival or Class I SDMA systems.

 C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbon. D002:
- D. Corrosive characteristic wastes that are managed in non-CMA/non-CMA-equivalent/non-Class I SUMA systems
- E. Corrosive characteristic westes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

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Printed:Typed Name

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION:

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Stable	P.O. Box 12820, Albany, Ne	w York 12212	Form Approved	OMB No 2050-00	039 Expires 3-30-34
UNIFORM HAZARDOUS WASTE MANIFEST	' Generator's US EPA No. NY D-0-0-2-2-4-4-9-1	Manifest Dogument No.	2. Page 1 of	Information in is not require	n the shaded areas d by Federai Law.
Generator's Name and Mailing Address 211 SEWARD AVE DTCA, NY 13502-4 Generator's Phone (315) 793-12	5749 -41		A. State Ma NY B. Generato		006 4
5. Transporter 1 (Company Name) BUFFALL FUFL CO	6, US EPA ID Nu		C. State Tra	nsporter's ID	162400 M
7 Transporter 2 (Company Name)	8. US EPA ID Nu		· · · · · · · · · · · · · · · · · · ·	nsporter's ID	· · · · · · · · · · · · · · · · · · ·
9. Designated Facility Name and Site Address CWM CHENICAL SERV 1550 BALMER RD	•		G. State Fac	Phone	
11 US DOT Description (Including Proper Ship		12. Conti	ainers 1	754 - 8	231
G 3. RQ, HAZARDOUS WA.	STE, SCLID, N.O.S	: No	Type Qua	antity William	FOOL
9, NA3077, III, (FO	vi, F002)	001	CMOIO	020 T	
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L Additional Descriptions for Materials ligant					5*4*E
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b	đ	<u> </u>	b		
SRT 417793-1	al Information RESPONSE NUME		353 -2 U.215	397	
16 GENERATOR'S CERTIFICATION: Energy stassified leading are in regulations and state laws and regulations of Elam a large suantity generator. Electify that I have a control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con	n all respects in proper condition for trans	nment are fully and accur sport by highway accordi	rately described : ng to applicable	internar - +	
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O 18 Transporter 2 Acknowledgement or Receip T Printed:Typed Name E	t of Materials) Signature	1			· · · · · · · · · · · · · · · · · · ·
19 Discrepancy Indication Space				···································	

20 Facility Owner or Operator: Certification of receipt of nazardous materials covered by this manifest except as noted in item

Signature

merator Mamo:

LUCAS AKROSPACE

. enfile Mumber:

099391 80IL

State Manifest No: NYB 4310064

1. In this waste a non-wastewater or wastewater? (Som 40 CFR 168.2) Check Offi: Someastewater & Mastewater Ir this waste is subject to any California List restrictions enter the letter from below (wither A, B.1, or 8.2) next to each restriction that is applicable:

BOCs, PCBs, Acid, Metals, Cyanides
Identify ALL UNERA hazardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check RORS if the wasta code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and most 260.48 standards, then the undarlying hazardous constituent(s) present in the wasto must be listed and attached.

EF.	4. US EPA SAZARDOUS WASTE	5. SUBCATROORY ENTER THE SUBCATROORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NORT	6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER
•	CODE(5)	DESCRIPTION FORE	PROM BELOW
	F001	x	
_	FUG1		, p
2	NO05		
4		1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar 1 mar	derlylog
Ha	zardous Consti	or D001, D002, D003 and D012-D043, underlying baxardous constituent(s), use the "F039/Vituent Form" provided (CMM-2004) and check hears: resent in the waste upon its initial generation check hare: X al USEPA waste code(s) and subcategorie(a), use the supplemental sheet provided (CMM-2005)	

SOM MUST THE WASTE HE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or B) below that describes how the waste must be sanaged to comply with the land disposal regulations (40 CFR 258.7). Please understand that if you enter he letter \$1, \$2, \$3, \$4 or 0, you are making the appropriate certification as provided below. (States authorized by \$24 to manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where the equilatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR ditations.

A. RESTRICTED WASTE REQUIRES TREATHERT

and check here:

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or MCMA Section 3004(d).

For Hazardous Debrie: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS 'I curtify under penalty of law that I have pormonally examined and am familiar with the treatment technology and openation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and main tained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the pomerbility

of fine and imprisonment." B. 2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE SAS BEEN

TREATED BY THAT TECHNOLOGY) "I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 264.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD PAITH AMALYTICAL CERTIFICATION FOR INCIDERATED ORGANICS "I cortify under panalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwestewater organic constituents have be treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have be unable to detect the nonweatemeter organic constituents despite having used best good faith efforts to analyse for such constituents. I am aware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIESD WASTE REQUIRES TREATMENT FOR UNDERLYING HABARDOUS CONSTITUENTS "I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 266.40 to remove the hazardous characteristic. This decharacterized wasts contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am meare that there are significant penalties for submitting a false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a casu-by-case extension. Enter the effective data of prohibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR fart 268 45."

RESTRICTED MASTE CAN BE LAND DISPOSED WITHOUT SURTHER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 168 subpart 0, and all applicable prohibition levels not forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility number above." "I curtify under panalty of law that I personally have examined and am familiar with the wests through analysis and testing or through knowledge of the waste to support this contification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d), I believe that the information I submitted is true, accourate and complete. I am oward that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS This waste is a newly identified waste that is not currently subject to any 40 CFR Part 266 restrictions.

I hereby cartify that all information submitted in this and all associated documents is complete and accurate, to The best of my knowledge and information.

Signature Title EVICE MUT COLL Date 2-6-38

LAND DISPOSAL MOTIFICATION AND CENTIFICATION FORM (UTS) - REVERSE SIDE

SOLVERY AND CALIFORNIA LINT TREATHERT STREETANDARDS

If the waste identified on the first page of this form is described by any of the following UNERA hazardons weate codes: root, root, root, root, root, and all solvent constituents will not be somitored by the treater, and/or this becardous waste to support to any prohibitions (destified as California List restrictions (40 CFR 268.32 and/or RCRA Section 1004(d)). on each constituent MUST be identified below by checking the appropriate box, and this page mist accompany the shipment, ong with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of persistents must be attached. If D001, D002, 0003 or D012-D043 require trustment to 268.48 standards, then the underlying page of this form.

sardous constituent(s) must al	801.413	TO WASTE TERRETARY	* O COMMINGOU			
P001 through P005 spent sol- vent constituents and their	Treatment St	1 tendard	POOI through FOOS spont sol- vent constituents and their associated USEPA hazardous	Treatment Standard		
associated USEPA hazardovs waste code(s).	Montavaters	Nonvesteres tura	waste code(4).	Wastendturs	Formesterater	
Carbon tetrachloride (P001)	0.057	6.0	Chlorobeusuno (F002)	0.057	6.0	
o-Dichlorobenzens (FO02)	0.08	6.0	Methyleme chloride (r001, r002)	0.089	30	
Tetrachiorouthylene (FOO1, FOO2)	0.056	5.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthans (FOO2)	0.054	6.0	Trichlorosthylene (r001, F002)	0.054	6.0	
Trichloromonofluoromethana (FOG2)	0.020	30	1,1,2-Trichloro-1,2,2-triflu orouthene (F002)	0.057	30	

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/1, nowmastewater are mg/kg.

CALIFORNIA LIST TREATMENT STARD weste must first be designated as a US restrictions.	ARDS 40CFR 268.32,40 CFR 268.42 and RCRA EPA Raxardous waste before the waste can	be subject to the california blue
Best-fored waste description	Prohibition	Treatment Standard
iquid or nonliquid wastes containing Lalogenated Organic Compounds listed in	Liquid* wastes: Greater than or equal to 1.000 mg/1	40 CFN 268.42(a)(2) - INCIN OF FSURS
O CFR 268, Appendix III	monliquid wastes: Greater than or equal to 1.000 mg/kg	Solven o
Iquid' wastes containing Poly hiorinated Riphenyls (PCBs)	Greatur than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or FSUSS Also see 40 CFR 761.60 and .70
iquid* wastes containing Matals	One or more of the following metals (or elements) at concentrations greator	RCRA Section 3004(d)
ote: Basardous wastes containing a, Cd, Cr, Eg, Pb, or Se must be waluated if not characteristically waxardous for that metal	than or equal to the following: Fickel and/or compounds as #1: 134mg/1 Thalium and/or compounds as Th: 130mg/1	

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquida Test trom EPA menual 6W-846

SUBCATEGORY REPERENCE

- D001: A. Ignitable characteristic wastes, except for the 40 CFR 251.21(a)(1) High TOC subcategoxy, that are managed in non-CMM/non-CMM equivalent/non-Class I 5040 systems B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMR/CMA-equival
- or Class I SDMA systems. C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total
- organic carbou.
- D002: D. Corrosive characteristic wastes that are managed in non-CMA/non-CMA-equivalent/non-Class I SOMA systems S. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SNDA systems.
 - 1990 Chumical Wants Management , Inc. 05/96 Form CMM-2005-A



PRESS HARD-You Are Writing Through Eight Copies (See Reverse Side for Instructions)

48-14-1 (3/89)—7f



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

se print or type. Do not Sta	ote.	P.O. Box 1	2820. Albany. Ne	w York	12212	Form 4	pproved OMB No. 2	050-0039	Expires 3-30-94
UNIFORM HAZ WASTE MAN		i. Generator	S US EPA NO	Doc	ifest ument No.	2 Pa 1 °			he shaded areas by Federai Law.
3. Generator's Name and	Mailing Address	Lucas A 211 Stewa	erospoce rd Ave.	San	ne.		NY B 41	87	28 6
1. Generator's Phone (3)	5 793-1241	utica, h	r i3502-57	49		0. 00	5	ama	2
Transporter 1 (Compan	Name) Co	LP.	PYROCC	nber 0 45	724		ate Transporter's ansporter's Phon		
Transporter 2 (Compan	y Name)		8. US EPA ID Nur	nber			ate Transporter's		
Designated Facility Na	me and Site Address		10 US EPA ID Nu	mber			insporter's Phoni ate Facility's ID	e ()
1550 Brumer	al Services Road	INC.			, 70		cility's Phone		
Model City	NY 14101		N. Y. D.O. 49	0.5 6	12. Cont	iners	13.	14	ne name y a see a see
11. US DOT Description (ncluding Proper Ship	oping Name, Ha	zard Class and ID Nur	mber)		Type	Total	Unit Wt/Yor	Waste No.
4, NA307	us waste.	Solid, L	1.0.S. _j				Approx.	YXII Y D .	EPA FOO/
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	· · · · · · · · · · · · · · · · · · ·								EPA
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1.						1			EPA
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J. Additional Descriptions	for Materials listed	Above					Indling Codes fo	Masta	e Leind Above
CG 737/ F02		С	* *	1	<u> </u>	a		C	
							\Box		
b	1 •	d		L	<u> </u>	b		đ	
SR #4/7- 16 GENERATOR'S CEI classified, packed, marks regulations and state aw if I am a large quantity go practicable and that I hav health and the environme to me and that I can alro	RTIFICATION: ner d and labeled and are s and regulations nerator (pertity that I h e selected the practical nt, OR III am a small ge	in all respects in ave program in plai ble method treatme	proper condition for trans de to reduce the volume a ent, storage, or disposal o	sport by hig nd toxicity o urrently ava	nway accord of waste gene plable to me	ng to ap rated to t which mi	plicable internation he degree! have de nimizes the present	aliand in termined and fut	ational government (to be economically ure threat to numan
Printed/Typed Name			Signature	1	1	7			Mo Day Year
MICHMEZ (LEVSON	/	Mude	el-		Sen	<u> </u>	K	940618
17 Transporter 1 (Acknow	vledgement of Recei	ot of Materials)		()	· · · · · · · · · · · · · · · · · · ·				
Printed/Typed Name	L Krill	7,1	Signatura	the	Ku	vez	<u> </u>		
18 Transporter 2 (Acknown Printed/Typed Name	vieugement or Hecei	ot of Materials)	Signature	0	_		<i></i>	1	Mo Day Yea
19. Discrepancy Indicatio	n Space								
20. Facility Owner or Ope	rator: Certification o	of receipt of haz	ardous materials cove	ered by thi	s manifest	except	as noted in Item	19	
Printed/Typed Name			Signature						VII Day Yea

inerator Mamo:

LUCIAS AKROSPACE

Manifest Dog. Ho.:

confile Sumbers

099391 80TL

State Manifest No: UYB 4187286

1. In this waste a non-wastewater or wastewater? (See 40 CFR 158.2) Check Offi: Nonwestewater X wastewater If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to each restriction that is applicable:

BOCs. PCBs, Acid, Metals, Cyanides
1. Identify ALL UNKEA hazardous wasts codes that apply to this wasts shipment, as defined by 40 CFR 261. For each wasts code, identify the corresponding subcategory, or check RORE if the wasta code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If FOJ9, suiti-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012-D043 requires treatment of the characteristic and most 260.40 standards, then the undarlying hazardous constituent(s) present in the waste must be listed and attached.

	IP MOT APPLICABLE, SIMPLY CHECK NORE	BAZAROCUS	UEF !
S NECH II	USSCRIPTION BOWR	CODE(S)	•
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D	X		
1		2003	2
_			3
	0.00/0	!	a i
	2. DOG3 and DO[2-DG43, underlying hexardous constituent(s), use the "FG39 rowided (CMS-2004) and check here: waste upon its initial germration check here: X		~

and check here: HOW MUST THE WARTE HE HARACED? In column 6 above, enter the letter (A, B1, 92, B3, B4, C, D or B) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LUR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be dessed to refer to those state citations instead of the 40 CFR

citations. A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Hazardous Debris: "This baxardous debris is subject to the alternative treatment standards of 40 CFR Part 268,45."

B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS I curtify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 258.32 or ACRA Section 1004(d) without impermissible dilution of the prohibited waste. I am aware that there are eignificant penalties for submitting a false certification, including the possibility

of fine and imprisonment." B.2 RESTRICTED MASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE MASTE HAS BEEN

TREATED BY THAT TECHNOLOGY) "I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD PAITE AMALYTICAL CERTIFICATION FOR INCIDERATED ORGANICS "I carrify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this cartification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information. I believe that the norwestewater organic commutations have been treated by incineration in units operated in accordance with 40 CPR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fund substitution units operating in accordance with applicable technical requirements, and [have been unable to detect the nonweatewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am sware that those are significant panalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIEED WASTE REQUIRES TREATMENT FOR UNDERLYING HARARDOUS CONSTITUENTS "I certify under panalty of law that the waste has been treated in accordance with the requirements of 40 CFR 258.40 to rumove the hazardous characteristic. This decharacterized waste contains underlying heserdous constituents that require further treatment to meet universal treatment standards. I am oware that there are eignificant penalties for submitting a false cartification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Fart 268.45."

RESTRICTED MASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT "I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels eat forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility remand above." "I cortify under penalty of law that I personally have examined and are familiar with the wests through analysis and testing or through knowledge of the weate to support this cortification that the wanto complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am oware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment." WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the

best of my knowledge and information. CECK Signature / Line Title College Date 2-6-58

LAND DISPOSAL MOTIFICATION AND CHRIFICATION FORM (UTS) - PREVERSE SIDE SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

the waste identified on the first page of this form is described by any of the following UNERA hazardous waste codes: 7001, 7002, 7003, 7004, 7005, and all solvent constituents will not be monitored by the treater, and/or this bezardous waste 1s subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or BCRA Section 3004(d)). In each constituent MIST be identified below by checking the appropriate box, and this page mist accompany the shipment, and with the previous page of this form. If the waste code 7039 describes this waste, then the corresponding list of matturents must be attached. If DOO1, DOO2, DOO3 or DO12-DO43 require trustment to 268.48 standards, then the underlying

sardous constituent(s) sust al	80LVZ1	FT WASTE TEXATREM	T STANDARDS			
7001 through POOS spent sol- rent comptituents and their	Treatment 8	tendard	F001 through F005 spent sol- went constituents and their associated USEPA hazardous	Treatment Standard		
*macciated USEPA hazardovs wmate code(s).	Westersters	Monwastowaters	•	Mastersture	Formestewater:	
Carbon tetrachlorida (POO1)	0.057	6.0	Chlorobenzano (F902)	0.057	6.0	
o-Dichlorobenzens (FOG2)	0.088	6.0	Mothylene chloride (r001, r002)	0.089	30	
Tetrachiorouthylene (FOG1, FOG2)	0.056	6.0	1,1,1-Trichlorosthame (F001, F002)	0.054	6.0	
1,1,2-Trichlorosthene (FOO2)	0.054	6.0	Trichlorosthylene (r001, F002)	0.054	6.0	
Trichlorosconofluoroschane (F002)	0.020	30	1,1,2-Trichloro-1,2,2-triflu orouthene (F002)	0.057	30	

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater nits are mg/l, nowastewater are mg/lg.

CALIFORNIA LIST THRATHEST STARD A waste must first be designated as a US	ANDS40CFR 268.32,40 CFR 268.42 and RCMA EPA Razardous waste before the waste can	. Section 3004(d) . be subject to the California List
restrictions.		Treatment Standard
Restricted waste description	Prohibition	40 CFR 268.42(a)(2) - INCLN or FSUNS
Liquid or nonliquid wastes containing	Liquid wastes: Greater than or equal	40 CYR 268.42(a)(2) - LHCIN OF F. CHS
alogenated Organic Compounds listed in	to 1.000 mg/1	
O CFR 258, Appendix III	Monliquid wastes: Greater than or equal to 1.000 mg/kg	,
	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or 75084
Iquid wastes containing Poly	CLEACEL CIVIL OR edirer to 20 hb-	Also see 40 CFR 751.60 and .79
nlorinated Hiphwnyle (PCBs)		RCRA Section 1004(d)
iquid* wastes containing Metals	One or more of the following metals (or elements) at concentrations greator	HCRA Section 3004(d)
lote: Basardous wastes containing	then or equal to the following:	
As, Cd, Cx, Hg, Pb, or Se must be	Fickel and/or compounds as Ni: 134mg/l	
evaluated if not characteristically	Thallum and/or compounds as Th: 130mg/1	

^{* -} For the definition "liquid" refer to Nethod 9095, the Paint Filter Liquida Test from KPA manual ow-846

SUSCATEGORY REFERENCE

- D001:
 A. Ignitable characteristic westes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed is som CMA/non-CMA equivalent/non-class I SOMA systems.
 B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA equival
- or Class I SOMA systems.

 C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) Greater than or equal to 10% testal
- DO02:

 D. Corrosive characteristic wastes that are managed in non-CNA/non-CNA-equivalent/non-Class I SONA systems.

 E. Corrosive characteristic wastes that are managed in CNA, CNA-equivalent, or Class I SNDA systems.

organic carbou.

Mig.

Ca. Year

PRESS HARD—You Are Writing Through Eight Copies (See Reverse Side for Instructions)

3-14-1 (3/89)—7f



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

PrintedTyped Name

e print or type. Do not Stable.	P.O. Box 12820, Albany, New Yor	rk 12212 -	orm Approved OMB No	2050-0039 Expires 9-30-94
WASTE MANIFEST W		Manifest 2 Occument No. 2		ation in the shaded areas required by Federal Law.
3. Generator's Name and Mailing Address LUCAS AEROS FALE 211 SEMARD AVE 13502 14 Generator's Phone 315: 793-124	5749	_	NY B 5 NY B 5 Generator's ID	70761 1
5 Transporter 1 (Company Name) BUFFALO FUE/ CORP 7 Transporter 2 (Company Name)	6. US EPA :D Number WY R 0.0004 8. US EPA :D Number	5724 °	2. State Transporter 2. Transporter's Pho 3. State Transporter	ne 800 477-800
		 	. Transporter's Pho	
Oesignated Facility Name and Site Address CWM CHEMICAL SERVICES 1550 BALMER RD. MODEL CITY NY 1410	•	 	State Facility's ID Facility's Phone ())
11. US DOT Description (including Proper Shippi		12. Containe	Total	14 Unit 1.
a RO, HAZARDOUS WAS	TE, SOLID, N.O.S.,	No. Ty	APPROX	Wt/Voil Waste No.
9, NA 3077, III, ((FOO1, FOO2)	0016	M00020	CTATE
b. • • • • • • • • • • • • • • • • • • •	•			EPA
C.				STATE
•				STATE
d.				EPA
				STATE
J. Additional Descriptions for Materials listed Ab	ove	*	. Handling Codes f	or Wastes Listed Above
CG 9391 F002 .	C	• a	<u></u>	С
5 •	d	• 1 6		a 🗆
15 Special Handling Instructions and Additional AETS EMELOWCY RESE		(888) 3	753 - 238	7
SK ## 417793 -3 16 GENERATOR'S CERTIFICATION: In nereby passified to a result in the diand labeled, and are in regulations and state laws and regulations. If a mail arge quantity poherator, it perify that I have crast cache and that I have selected the practicable health and the environment OR II am a small gener to me and that I can arrord.	 a) Tespects in proper condition for transport by expression in place to reduce the volume and toxics method treatment, storage or disposal purrently. 	highway according ty of waste generate available to me whi	to applicable internation to the degree thave do	onal and national government tetermined to be economical of and follower breat to blima
Printed Tiped Name	Signature	M		MO Dav 10
17 Transporter 1 (Acknowledgement of Receipt)	of Materials)			P 04 0 10
Printed Typed Name GUILIANI	Signature Jeon,	Sull	ani	Mo. Day Ye
18 Transporter 2 Acknowledgement or Receipt Printed:Typed Name	of Materials) Signature			Mo Day Ye
19. Discrepancy Indication Space	<u> </u>	······································		

Signature

CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N.Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE ATTN: ENVIRONMENTAL COMPLIANCE DEPT 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from LUCAS AEROSPA on 02/13/98 as described on Hazardous Waste Manifest number NYG0681579

Profile Number: CG9391 CWM Tracking ID: 8148190801 CWM Unit #: 1*0

Disposal Date: 02/13/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above. nekubocker

JILL KNICKZRBOCKER TECHNICAL (MANAGER Certificate # 106917 02/17/98

For questions please call our Customer Service Dept at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N.Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from LUCAS AEROSPAC on 02/13/98 as described on Hazardous Waste Manifest number NYG0681525

Profile Number: CG9391 CWM Tracking ID: 8148190901 CWM Unit #: 1*0 Disposal Date: 02/13/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

JILL KNICKBRBOCKER TECHNICAL MANAGER Certificate # 106918 02/17/98

For questions please call our Customer Service Dept. at (800) 843-3604

CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200

Phone 716/754-8231

Model City, N.Y. 14107

Federal EPA ID: NYD049836679

LUCAS AEROSPACE ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from LUCAS AEROSPACE on 02/12/98 as described on Hazardous Waste Manifest number NYG0681561 Sequence number 01.

Profile Number: CG9391
CWM Tracking ID: 8148186501
CWM Unit #: 1*0

Disposal Date: 02/12/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

ile Briskerbocker JILL KNICKERBOCKER TECHNICAL MANAGER Certificate # 106870 02/17/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N.Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from LUCAS AEROSPACE on 02/12/98 as described on Hazardous Waste Manifest number NYG0681516

Profile Number: CG9391 CWM Tracking ID: 8148186801 CWM Unit #: 1*0

Disposal Date: 02/12/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above. Gell Briskerbocker

JILL KNICKERBOCKER TECHNICAL MANAGER Certificate # 106873 02/17/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/09/98 as described on Hazardous Waste Manifest number NYB4310064 Sequence number 01.

Profile Number: CG9391

CWM Tracking ID: 8148175801

CWM Unit #: 1*0

Disposal Date: 02/09/98

I certify, on behalf of the above listed treatment facility, that to the boof my knowledge, the above-described waste was managed in compliance with applicable laws, regulations, permits and licenses on the date listed above.

gill Briskubocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 106684
02/10/98

For questions please contour Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE JTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/06/98 as described on Hazardous Waste Manifest number NYB4310046 Sequence number 01.

Profile Number: CG9391
CWM Tracking ID: 8148169401
CWM Unit #: 1*0

Disposal Date: 02/06/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

TECHNACAL MANAGER Certificate # 106473

02/06/98

For questions please call our Customer Service Dept. at (800) 343-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE

UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/06/98 as described on Hazardous Waste Manifest number NYB5707611 Sequence number 01.

Profile Number: CG9391

CWM Tracking ID: 8148172901

CWM Unit #: 1*0

Disposal Date: 02/06/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

TECHNICAL MANAGER Certificate # 106662 02/10/93

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/06/98 as described on Hazardous Waste Manifest number NYB5663529 Sequence number 01.

Profile Number: CG9391 CWM Tracking ID: 8148173001

CWM Unit #: 1*0 Disposal Date: 02/06/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

JILL KNICKERBOCKER TECHNICAL MANAGER Certificate # 106663

02/10/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. 8ox 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE

UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/06/98 as described on Hazardous Waste Manifest number NYB4187286 Sequence number 01.

Profile Number: CG9391
CWM Tracking ID: 8148173101
CWM Unit #: 1*0

Disposal Date: 02/06/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

TECHNICAL MANAGER Certificate # 106664 02/10/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002244911
211 SEWARD AVE
UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/06/98 as described on Hazardous Waste Manifest number NYB5663412 Sequence number 01.

Profile Number: CG9391 CWM Tracking ID: 8148173201 CWM Unit #: 1*0 Disposal Date: 02/06/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

JILL KMICKERSOCKER CECHNICAL MANAGER
Certificate # 106665

02/10/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste mate to a LUCAS AEROSPACE on 02/05/98 as described on Hazardous Waste Manifes (NYB5022995) Sequence number 01.

Profile Number: CG9391 CWM Tracking ID: 8148168401 CWM Unit #: 1*0 Disposal Date: 02/05/98

I certify, on behalf of the above listed treatment () in the compliance with the management of the above-described waste was management to compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the compliance with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex with the complex w applicable laws, regulations, permits and licenses on the late listed above. ele Briskerbocker

JIL KNICKERBOCKER TECHNICAL MANAGER Certificate # 106463 02/06/98

stions pleas tomer Service 843-3604 . .

. . .



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Pederal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

TIY0002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste mater of from LUCAS AUROSPA on 02/05/98 as described on Hazardous Waste Manifest number NYB4310028 Sequence number 01.

Frofile Number: CG9391

Code Tracking ID: 8148168601

CWM Unit #: 1*0

Disposal Date: 02/05/98

t dentify, on behalf of the above listed treatment: Thity, that to the least may knowledge, the above-described waste was manage, in compliance with the applicable laws, regulations, permits and licenses to the date listed above.

le Briskubocker JIL KNICKERBOCKER TECHNICAL MANAGER

Certificate # 106465

JD2:06/98

a questions please con-Customer Service Page

% (800) 843-3601

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Waste Management, Inc.

CWM Chemical Services. Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

ATTN: ENVIRONMENTAL COMPLIANCE DEPT LUCAS AEROSPACE NYD002244911 211 SEWARD AVE

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/05/98 as described on Hazardous Waste Manifest number NYB4310055 Sequence number 01. UTICA NY 13502-5749 Sequence number 01.

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ANICKERBOCKER TECHNICAL MANAGER certificate # 106466 02/06/98



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200

Phone 716/754-8231

Model City, N. Y. 14107

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/05/98 as described on Hazardous Waste Manifest number NYB4310019 Sequence number 01.

Profile Number: CG9391
CWM Tracking ID: 8148168901
CWM Unit #: 1*0

Disposal Date: 02/05/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

TECHNICAL MANAGER Certificate # 106468

2/06/98

For questions please call our Customer Service Dept. at (300) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200

Phone 716/754-8231

Model City, N. Y. 14107 Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE

UTICA NY 13502-5749

CERTIFICATE OF DESTRUCTION

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/04/98 as described on Hazardous Waste Manifest number NYB5022972 Sequence number 01.

Profile Number: CG9391
CWM Tracking ID: 8148162601
CWM Unit #: 1*0

Disposal Date: 02/04/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

TECHNICAL MANAGER Certificate # 106212 02/05/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200

Phone 716/754-8231

P.O. Box 200 Model City, N. Y. 14107

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DESTRUCTION

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/04/98 as described on Hazardous Waste Manifest number NYB5022954 Sequence number 01.

Profile Number: CG9391

CWM Tracking ID: 8148162701

CWM Unit #: 1*0

Disposal Date: 02/04/98

ell Briskerbocker

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 106210

02/05/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200

Phone 716/754-8231

Model City, N. Y. 14107

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DESTRUCTION

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/04/98 as described on Hazardous Waste Manifest number NYB5022981 Sequence number 01.

Profile Number: CG9391

CWM Tracking ID: 8148163101

CWM Unit #: 1*0 Disposal Date: 02/04/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Suckerbooks TECHNICAL MANAGER

Certificate # 106207 02/05/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Phone 716/754-8231

Model City, N. Y. 14107

Federal EPA ID: NYD049836679

LUCAS AEROSPACE ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DESTRUCTION

*CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/04/98 as described on Hazardous Waste Manifest number NYB5022936 Sequence number 01.

Profile Number: CG9391 CWM Tracking ID: 8148162801

CWM Unit #: 1*0 Disposal Date: 02/04/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

JILY KNICKERBOCKER TECHNICAL MANAGER Certificate # 106211

02/05/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200

Phone 716/754-8231

Model City, N. Y. 14107

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DESTRUCTION

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/04/98 as described on Hazardous Waste Manifest number NYB5022945 Sequence number 01.

Profile Number: CG9391
CWM Tracking ID: 8148162901
CWM Unit #: 1*0
Disposal Date: 02/04/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

TECHNICAL MANAGER Certificate # 106209 02/05/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DESTRUCTION

CWM Chemical Services, Inc. has received waste material from LUCAS AEROSPACE on 02/04/98 as described on Hazardous Waste Manifest number NYB5022963 Sequence number 01.

Profile Number: CG9391
CWM Tracking ID: 8148163001
CWM Unit #: 1*0

Disposal Date: 02/04/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

TECHNICAL MANAGER Certificate # 106208 02/05/98

For questions please call our Customer Service Dept. at (800) 843-3604



CWM Chemical Services, Inc. 1550 Balmer Rd. P.O. Box 200 Phone 716/754-8231

Model City, N. Y. 14107
Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

IYD002244911 211 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from LUCAS AEROSPACE on 09/04/98 as described on Hazardous Waste Manifest number NYB4310118 Sequence number 01.

Profile Number: CG9391 CWM Tracking ID: 8149230801

CWM Unit #: 1*0

Disposal Date: 09/04/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Michele a. P. Falle

MICHELE FOULKE RECORDS DEPT. SUPERVISOR Certificate # 125343 09/08/98

For questions please call our Customer Service Dept. at (800) 843-3604

8:40 : CWM MODEL CITY-ADMIN-11-11-98 :



Waste Management, Inc.

CWM Chemical Services, Inc. 1660 Balmer Rd.

Phone 716/754-8231

P.O. Box 200 Model City, N. Y. 14107

Federal EPA ID: NYD049836679

LUCAS AEROSPACE

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

ID002244911 11 SEWARD AVE UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

WM CHEMICAL SERVICES, L.L.C. has received waste material from LUCAS AEROSPACE n 09/04/98 as described on Hazardous Waste Manifest number NYB4187277 Sequence number 01.

Profile Number: CG9391 CWM Tracking ID: 8149230601 CWM Unit #: 1*0

Disposal Date: 09/04/98

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all pplicable laws, regulations, permits and licenses on the date listed above.

michele a.P.

ICHELE FOULKE «ECORDS DEPT. SUPERVISOR Certificate # 125342 79/08/98

For questions please call our Customer Service Dept. at (800) 843-3604

11-11-98 : 8:40 : CWM MODEL CITY-ADMIN-

315 445 2543:# 4/ 7



Waste Management, Inc.

CWM Chemical Services, Inc. 1550 Balmer Ad. P.O. Box 200 Model City, N. Y. 14107 Phone 716/754-8231

Federal EPA ID: NYD049836679

LUCAS AEROSPACE
ATTN: ENVIRONMENTAL COMPLIANCE DEPT
NYD002244911
211 SEWARD AVE
UTICA NY 13502-5749

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C. has received waste material from LUCAS AEROSPACE on 09/04/98 as described on Hazardous Waste Manifest number NYB4310127 *Sequence number 01.

Profile Number: CG9391 CWM Tracking ID: 8149230501

CWM Unit #: 1*0 Disposal Date: 09/04/98

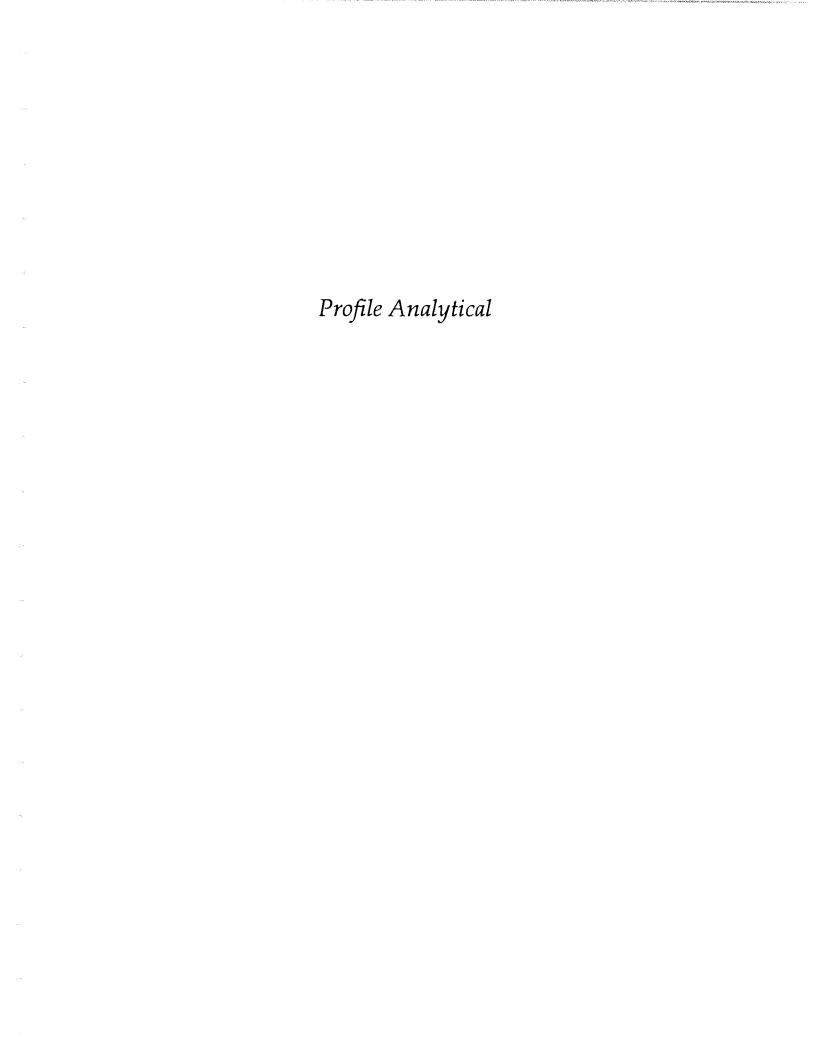
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Michele a. P. Fulle

MICHELE FOULKE
RECORDS DEPT. SUPERVISOR
Certificate # 125341
09/08/98

For questions please call our Customer Service Dept. at (800) 843-3604

Appendix C Analytical Data





REVISED SAMPLE ANALYSIS REPORT

9800408 LSL Project No.

Reviewed By

OI/27/98

Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By Client's acceptance and/or use of this report, Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect Client as regards to the results contained in this report. Client further agrees that the only remedy available to Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to Client.

The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without the express prior written consent of Life Science Laboratories, Inc.

> ERM - Northeast Project No. 939, 208
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-- REVISED LABORATORY ANALYSIS REPORT --

ERM - Northeast 5788 Widewaters Parkway

Dewitt, NY 13214

Attn: Mr. Jim Brown

Phone: (315) 445-2554 FAX: (315) 445-2543

A copy of this report was mailed to: Waste Management

Sherry

Sample ID: LUC B98-012398

Project No.: 939.008

Source: Lucas, Utica

LSL Sample ID: 9800408-001

Sample Matrix: SHW,24HR

Authorization:

LSL Project No.: 9800408

Date Sampled: 1/23/98

Revised Report Date: 1/27/98

Original Report Date: 1/26/98

Analytical Method			
Parameter(s)	Results	Units	Analysis Date Commen
EPA 8082 PCB's			
Arochlor-1016	<0.2	mg/kg	1/26/98
Arochlor-1221	<0.2	mg/kg	1/26/98
Arochlor-1232	<0.2	mg/kg	1/26/98
Arochlor-1242	<0.2	mg/kg	1/26/98
Arochlor-1248	<0.2	mg/kg	1/26/98
Arochlor-1254	1.3	mg/kg	1/26/98 (20)
(20) This target analyte appears to be	biologically degraded and/or er		. ,
Arochlor-1260	<0.2	mg/kg	1/26/98
EPA 8260B TCL Volatiles			
Acetone	<1000	ug/kg	1/26/98
Benzene	<500	ug/kg	1/26/98
Bromodichloromethane	<500	ug/kg	1/26/98
Bromoform	<500	ug/kg	1/26/98
Bromomethane	<500	ug/kg	1/26/98
2-Butanone (MEK)	<1000	ug/kg	1/26/98
Carbon disulfide	<500	ug/kg	1/26/98
Carbon tetrachloride	<500	ug/kg	1/26/98
Chlorobenzene	<500	ug/kg	1/26/98
Chloroethane	<500	ug/kg	1/26/98
Chloroform	<500	ug/kg	1/26/98
Chloromethane	<500	ug/kg	1/26/98
Dibromochloromethane	<500	ug/kg	1/26/98
1,1-Dichloroethane	2800	ug/kg	1/26/98
1,2-Dichloroethane	<500	ug/kg	1/26/98
1,1-Dichloroethene	<500	ug/kg	1/26/98
1,2-Dichloroethene, Total	<500	ug/kg	1/26/98

Life Science Laboratories, Inc.

Page 1 of 2

-- REVISED LABORATORY ANALYSIS REPORT --

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

A copy of this report was mailed to: Waste Management

Sherry

Sample ID: LUC B98-012398

Project No.: 939.008

Source: Lucas, Utica

LSL Sample ID: 9800408-001

Sample Matrix: SHW,24HR

Authorization:

LSL Project No.: 9800408

Date Sampled: 1/23/98

Revised Report Date: 1/27/98

Original Report Date: 1/26/98

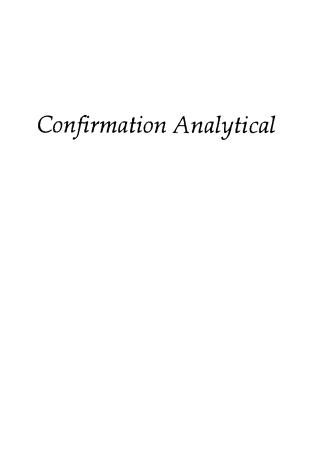
Analytical Method Parameter(s)	Results	Units	Analysis Date Comment
1,2-Dichloropropane	<500	ug/kg	1/26/98
cis-1,3-Dichloropropene	< 500	ug/kg	1/26/98
trans-1,3-Dichloropropene	<500	ug/kg	1/26/98
Ethyl benzene	610	ug/kg	1/26/98
2-Hexanone	<1000	ug/kg	1/26/98
Methylene chloride	<1000	ug/kg	1/26/98
4-Methyl-2-pentanone (MIBK)	<1000	ug/kg	1/26/98
Styrene	<500	ug/kg	1/26/98
1,1,2,2-Tetrachloroethane	<500	ug/kg	1/26/98
Tetrachloroethene	590	ug/kg	1/26/98
Toluene	1400	ug/kg	1/26/98
1,1,1-Trichloroethane	<500	ug/kg	1/26/98
1,1,2-Trichloroethane	<500	ug/kg	1/26/98
Trichloroethene	2900	ug/kg	1/26/98
Vinyl chloride	<500	ug/kg	1/26/98
Xylenes (Total)	2500	ug/kg	1/26/98
1,1,2-Trichloro-1,2,2-trifluoroethane	<500	ug/kg	1/26/98

Chain of Custody Record

East Syracuse, NY 13057

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Preserv Check Time EPA 8260 TCL + 30 10000 ガめ Client's Project I.D.: 737.008 Date Samples Received Intact: Client's Site I.D.: PCB's Lucus Utica LSL Project #: MatrixPreserv.Containers Added # size/type Received for Lab By: Received By: Received By: 2/9/ws ckss Date: Custody Transfers Contact Person: Brown 5 50.1 Soil Type grab comp. Relinguished By: Shipment Method: Relinguished By: Telefax # 445-25 43 462-522 4 Received by Sampled By: Telefax # (315) 445-1301 1/23/98 2:30PM X × Containers Containers Sent By: Sample Time Sample Date Phone # Authorization: 1 Dowt , NY 13214 Client's Sample Identifications Luc 898-012398 Notes and Hazard identifications: 5788 Widewaters 24HR TAT tac 98 1 Phone # (315) 445-1105 LSL Sample Number Address: Client: 1-868



MEMORANDUM

TO:

Jim Brown

ERM

FROM:

Dave Prichard

LSL

DATE:

2/11/98

RE:

Results for trans-1,2-Dichloroethene in project # 939.008

Please refer to the attached table for the concentrations of trans-1,2-Dichloroethene in the samples previously taken in your project #939.008. The concentrations of trans-1,2-Dichloroethene will be added to the bottom of the 8260 results in the current project that is in house. If you should need any further clarification please do not hesitate to call me at (315) 445-1105.

Submitter	Client Project#	SampleID	Source	Collect Date Te	TestID	ReportedResult	Units An	AnalysisDate TestGroupID	Lab#
ERM	939.008	LUC B98-012398	Lucas, Utica	1/23/98 1,2-DCE	2-DCE	<500	ug/kg	1/26/98 8260_SHW_TCL	- 9800408-001
			-	tra	trans-1,2-DCE	<500	ug/kg	1/26/98	
ERM	939.008	LUC-A2-FL-12' (2/98)	Lucas - Utica, NY	2/3/98 1,2-DCE	2-DCE	86	ug/kg	2/3/98 8260_SHW_TCL 9800575-001	9800575-001
				ţ	trans-1,2-DCE <20	<20	ug/kg	2/3/98	
ERM	939.008	LUC-A2-SWALL (2/98)	Lucas - Utica, NY	2/3/98 1,2-DCE	2-DCE	180	ug/kg	2/3/98 8260_SHW_TCL	9800575-002
		•	-	tre	trans-1,2-DCE	<10	ug/kg	2/3/98	
ERM	939.008	LUC-A2-WWALL (2/98)	Lucas - Utica, NY	2/3/98 1,2-DCE	2-DCE	6300	ug/kg	2/3/98 8260_SHW_TCL	. 9800575-003
				tra	trans-1,2-DCE <200	<200	ug/kg	2/3/98	
ERM	939.008	LUC-A2-NWALL (2/98)	Lucas - Utica, NY	2/3/98 1,2-DCE	2-DCE	19	ug/kg	2/3/98 8260_SHW_TCL	9800575-004
				tra	trans-1,2-DCE	\ \5	ug/kg	2/3/98	
ERM	939.008	LUC-A2EWALL (2/98)	Lucas - Utica, NY	2/4/98:1,2-DCE	2-DCE	<20	ug/kg	2/5/98 8260_SHW_TCL 9800612-001	. 9800612-001
				tra	trans-1,2-DCE	<20	ug/kg	2/5/98	•
ERM	939.008	LUC-A3WWALL 2/98	Lucas	2/5/98 1,2-DCE	2-DCE	<20	ug/kg	2/6/98 8260_SHW_TCL 9800634-001	. 9800634-001
				tr	trans-1,2-DCE <20	<20	ug/kg	2/6/98	
ERM	939.008	LUC-A3NWALL 2/98	Lucas	2/5/98 1,2-DCE	2-DCE	<20	ug/kg	2/6/98 8260_SHW_TCL 9800634-002	9800634-002
			•	tra	trans-1,2-DCE <20	<20	ug/kg	2/6/98	•
ERM	939.008	LUC-A3SWALL 2/98	Lucas	2/5/98 1,2-DCE	2-DCE	<20	ug/kg	2/6/98 8260_SHW_TCL 9800634-003	. 9800634-003
	•••••			tra	trans-1,2-DCE <20	<20	ug/kg	2/6/98	
ERM	939.008	LUC-A3EWALL 2/98	Lucas	2/5/98 1,2-DCE	2-DCE	<5	ug/kg	2/6/98 8260_SHW_TCL 9800634-004	9800634-004
	•	•		tra	trans-1,2-DCE <5	<5	ug/kg	2/6/98	
ERM	939.008	LUC-A3BOTTOM 2/98	Lucas	2/5/98 1,2-DCE	2-DCE	<5	ug/kg	2/6/98 8260_SHW_TCL 9800634-005	9800634-005
		•		tra	trans-1,2-DCE <5	<5	ug/kg	2/6/98	:



SAMPLE ANALYSIS REPORT

98 00 5 0 5 5 LSL Project No.

Reviewed By

02/04/98

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By Client's acceptance and/or use of this report, Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect Client as regards to the results contained in this report. Client further agrees that the only remedy available to Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to Client.

The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without the express prior written consent of Life Science Laboratories, Inc.

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization: 939.008 LSL Project No.: 9800575 Report Date: 2/4/98

Sample ID: LUC-A2-FL-12' (2/98)

Source: Lucas - Utica, NY

Sample Matrix: SHW,24HR

EHW,24HR LSL Sample ID: 9800575-001 Date Sampled: 2/3/98

Analytical Method

	Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260	B TCL Volatiles		···		
	Acetone	<40	ug/kg	2/3/98	
	Benzene	<20	ug/kg	2/3/98	
	Bromodichloromethane	<20	ug/kg	2/3/98	
	Bromoform	<20	ug/kg	2/3/98	
	Bromomethane	<20	ug/kg	2/3/98	
	2-Butanone (MEK)	<40	ug/kg	2/3/98	
	Carbon disulfide	<20	ug/kg	2/3/98	
	Carbon tetrachloride	<20	ug/kg	2/3/98	
	Chlorobenzene	<20	ug/kg	2/3/98	
	Chloroethane	<20	ug/kg	2/3/98	
	Chloroform	<20	ug/kg	2/3/98	(11)
	(11) This result has been blank corrected.				
	Chloromethane	<20	ug/kg	2/3/98	
	Dibromochloromethane	<20	ug/kg	2/3/98	
	1,1-Dichloroethane	25	ug/kg	2/3/98	
	1,2-Dichloroethane	<20	ug/kg	2/3/98	
	1,1-Dichloroethene	<20	ug/kg	2/3/98	
	1,2-Dichloroethene, Total	86	ug/kg	2/3/98	
	1,2-Dichloropropane	<20	ug/kg	2/3/98	
	cis-1,3-Dichloropropene	<20	ug/kg	2/3/98	
	trans-1,3-Dichloropropene	<20	ug/kg	2/3/98	
	Ethyl benzene	<2()	ug/kg	2/3/98	
	2-Hexanone	<40	ug/kg	2/3/98	
	Methylene chloride	<4()	ug/kg	2/3/98	

Life Science Laboratories, Inc.

Page I of 6

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008

LSL Project No.: 9800575

Authorization: 939.008		Report Date	: 2/4/98
4-Methyl-2-pentanone (MIBK)	<40	ug/kg	2/3/98
Styrene	<20	ug/kg	2/3/98
1,1,2,2-Tetrachloroethane	<20	ug/kg	2/3/98
Tetrachloroethene	29	ug/kg	2/3/98
Toluene	<20	ug/kg	2/3/98
1,1,1-Trichloroethane	110	ug/kg	2/3/98
1,1,2-Trichloroethane	<20	ug/kg	2/3/98
Trichloroethene	78	ug/kg	2/3/98
Vinyl chloride	<20	ug/kg	2/3/98
Xylenes (Total)	<20	ug/kg	2/3/98

Sample ID: LUC-A2-SWALL (2/98)

Source: Lucas - Utica, NY

Sample Matrix: SHW,24HR

LSL Sample ID: 9800575-002

Date Sampled: 2/3/98

Analytical Method

·	Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B	TCL Volatiles				
	Acetone	<20	ug/kg	2/3/98	
	Benzene	<10	ug/kg	2/3/98	
	Bromodichloromethane	<10	ug/kg	2/3/98	
	Bromoform	<10	ug/kg	2/3/98	
	Bromomethane	<10	ug/kg	2/3/98	
	2-Butanone (MEK)	<20	ug/kg	2/3/98	
	Carbon disulfide	<10	ug/kg	2/3/98	
	Carbon tetrachloride	<10	ug/kg	2/3/98	
	Chlorobenzene	<10	ug/kg	2/3/98	
	Chloroethane	<10	ug/kg	2/3/98	
	Chloroform	<10	ug/kg	2/3/98	
	Chloromethane	<10	ug/kg	2/3/98	
	Dibromochloromethane	<10	ug/kg	2/3/98	
	1,1-Dichloroethane	13	ug/kg	2/3/98	

Life Science Laboratories, Inc.

Page 2 of 6

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

LSL Sample ID: 9800575-003

LSL Project No.: 9800575 **Project No.: 939.008**

Authorization: 939.008		Report Date:	2/4/98
1,2-Dichloroethane	<10	ug/kg	2/3/98
1,1-Dichloroethene	<10	ug/kg	2/3/98
1,2-Dichloroethene, Total	180	ug/kg	2/3/98
1,2-Dichloropropane	<10	ug/kg	2/3/98
cis-1,3-Dichloropropene	<10	ug/kg	2/3/98
trans-1,3-Dichloropropene	<10	ug/kg	2/3/98
Ethyl benzene	<10	ug/kg	2/3/98
2-Hexanone	<20	ug/kg	2/3/98
Methylene chloride	<20	ug/kg	2/3/98
4-Methyl-2-pentanone (MIBK)	<20	ug/kg	2/3/98
Styrene	<10	ug/kg	2/3/98
1,1,2,2-Tetrachloroethane	<10	ug/kg	2/3/98
Tetrachloroethene	<10	ug/kg	2/3/98
Toluene	<10	ug/kg	2/3/98
1,1,1-Trichloroethane	<10	ug/kg	2/3/98
1,1,2-Trichloroethane	<10	ug/kg	2/3/98
Trichloroethene	130	ug/kg	2/3/98
Vinyl chloride	<10	ug/kg	2/3/98
Xylenes (Total)	<10	ug/kg	2/3/98

Sample ID: LUC-A2-WWALL (2/98)

Source: Lucas - Utica, NY

Sample Matrix: SHW,24HR

Date Sampled: 2/3/98

Analytical Method			
Parameter(s)	Results	Units	Analysis Date Comment
EPA 8260B TCL Volatiles			
Acetone	<400	ug/kg	2/3/98
Benzene	<200	ug/kg	2/3/98
Bromodichloromethane	<200	ug/kg	2/3/98
Bromoform	<200	ug/kg	2/3/98
Bromomethane	<200	ug/kg	2/3/98

Life Science Laboratories, Inc.

Page 3 of 6

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization: 939.008		LSL Project No.: Report Date:	
2-Butanone (MEK)	<400	ug/kg	2/3/98
Carbon disulfide	<200	ug/kg	2/3/98
Carbon tetrachloride	<200	ug/kg	2/3/98
Chlorobenzene	<200	ug/kg	2/3/98
Chloroethane	<200	ug/kg	2/3/98
Chloroform	<200	ug/kg	2/3/98
Chloromethane	<200	ug/kg	2/3/98
Dibromochloromethane	<200	ug/kg	2/3/98
1,1-Dichloroethane	1500	ug/kg	2/3/98
1,2-Dichloroethane	<200	ug/kg	2/3/98
1,1-Dichloroethene	<200	ug/kg	2/3/98
1,2-Dichloroethene, Total	6300	ug/kg	2/3/98
1,2-Dichloropropane	<200	ug/kg	2/3/98
cis-1,3-Dichloropropene	<200	ug/kg	2/3/98
trans-1,3-Dichloropropene	<200	ug/kg	2/3/98
Ethyl benzene	<200	ug/kg	2/3/98
2-Hexanone	<400	ug/kg	2/3/98
Methylene chloride	<400	ug/kg	2/3/98
4-Methyl-2-pentanone (MIBK)	<400	ug/kg	2/3/98
Styrene	<200	ug/kg	2/3/98
1,1,2,2-Tetrachloroethane	<200	ug/kg	2/3/98
Tetrachloroethene	1600	ug/kg	2/3/98
Toluene	<200	ug/kg	2/3/98
1,1,1-Trichloroethane	1900	ug/kg	2/3/98
1,1,2-Trichloroethane	<200	ug/kg	2/3/98
Trichloroethene	1300	ug/kg	2/3/98
Vinyl chloride	<200	ug/kg	2/3/98
Xylenes (Total)	<200	ug/kg	2/3/98

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization: 939.008 LSL Project No.: 9800575 Report Date: 2/4/98

Sample ID: LUC-A2-NWALL (2/98)

Source: Lucas - Utica, NY

Sample Matrix: SHW,24HR

LSL Sample ID: 9800575-004 Date Sampled: 2/3/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles			,	
Acetone	89	ug/kg	2/3/98	
Benzene	<5	ug/kg	2/3/98	
Bromodichloromethane	<5	ug/kg	2/3/98	
Bromoform	<5	ug/kg	2/3/98	
Bromomethane	<5	ug/kg	2/3/98	
2-Butanone (MEK)	<10	ug/kg	2/3/98	
Carbon disulfide	<5	ug/kg	2/3/98	
Carbon tetrachloride	<5	ug/kg	2/3/98	
Chlorobenzene	<5	ug/kg	2/3/98	
Chloroethane	<5	ug/kg	2/3/98	
Chloroform	<5	ug/kg	2/3/98	
Chloromethane	<5	ug/kg	2/3/98	
Dibromochloromethane	<5	ug/kg	2/3/98	
1,1-Dichloroethane	22	ug/kg	2/3/98	
1,2-Dichloroethane	<5	ug/kg	2/3/98	
1,1-Dichloroethene	<5	ug/kg	2/3/98	
1,2-Dichloroethene, Total	19	ug/kg	2/3/98	
1,2-Dichloropropane	<5	ug/kg	2/3/98	
cis-1,3-Dichloropropene	<5	ug/kg	2/3/98	
trans-1,3-Dichloropropene	<5	ug/kg	2/3/98	
Ethyl benzene	<5	ug/kg	2/3/98	
2-Hexanone	<10	ug/kg	2/3/98	
Methylene chloride	<10	ug/kg	2/3/98	(11)
(11) This result has been blank corrected.		- 3		

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Page 5 of 6

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939,008 Authorization: 939,008		LSL Project No.: Report Date:		
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/3/98	
Styrene	<5	ug/kg	2/3/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/3/98	
Tetrachloroethene	<5	ug/kg	2/3/98	(11)
(11) This result has been blank corrected.				, ,
Toluene	18	ug/kg	2/3/98	
1,1,1-Trichloroethane	<5	ug/kg	2/3/98	
1,1,2-Trichloroethane	<5	ug/kg	2/3/98	
Trichloroethene	<5	ug/kg	2/3/98	
Vinyl chloride	39	ug/kg	2/3/98	
Xylenes (Total)	6.1	ug/kg	2/3/98	

1 40 Schrife Landralands, Inc. LSL 5854 Butternut Drive
East Syracuse, NY 13057

Chain of Custody Record

14/50 Time LSL Project #:

(18005 738

LUCAS

LUCAS

Client's Site I.D.: UNCA, N.Y. 939.008 1/3/98 Date EPA 8260 VOC Analyses Client's Project I.D.: Samples Received Intact: LSL Project #: Received By: # size/type 402 SAIL Received for Lab By: Received By Matrix Preserv. Containers \rightarrow Custody Transfers Contact Person: Added FCE BRULIN 5 3016 Relinquished By: Sample Type Time grab comp. Relinquished By: Shipment Method: Address: 5768 W. BEWATFUS (KWY Telefax # 445.2543 Phone # 445.2554 939.008 Sampled By: Containers Received by Telefax # (315) 445-1301 Containers Sent By: 00:11 12:30 1220 LUC-AZ-FL-12 (21/18) 2/3/98 Authorization: WC-AZ-WWALL(2HB) LUCA2-5 WALL (2/98) WC-AZ-NWAU(2/48) Client's Sample Identifications Notes and Hazard identifications: 24 HR T. A.T Phone # (315) 445-1105 LSL Sample Number client: ERM 003 400 200



SAMPLE ANALYSIS REPORT

9 8 00 6 12 LSL Project No.

Reviewed By

Date

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Sample ID: LUC-A2EWALL (2/98)

Project No.: 939.008

Source: Lucas - Utica, NY

LSL Sample ID: 9800612-001

Sample Matrix: SHW,24HR

Authorization: 939.008

LSL Project No.: 9800612

Date Sampled: 2/4/98

Report Date: 2/6/98

nalytical Method				
Parameter(s)	Results	Units	Analysis Date	Commen
PA 8260B TCL Volatiles				
Acetone	<40	ug/kg	2/5/98	
Benzene	<20	ug/kg	2/5/98	
Bromodichloromethane	<20	ug/kg	2/5/98	
Bromoform	<20	ug/kg	2/5/98	
Bromomethane	<20	ug/kg	2/5/98	
2-Butanone (MEK)	<40	ug/kg	2/5/98	
Carbon disulfide	<20	ug/kg	2/5/98	
Carbon tetrachloride	<20	ug/kg	2/5/98	
Chlorobenzene	<20	ug/kg	2/5/98	
Chloroethane	<20	ug/kg	2/5/98	
Chloroform	<20	ug/kg	2/5/98	
Chloromethane	<20	ug/kg	2/5/98	
Dibromochloromethane	<20	ug/kg	2/5/98	
1,1-Dichloroethane	<20	ug/kg	2/5/98	
1,2-Dichloroethane	<20	ug/kg	2/5/98	
1,1-Dichloroethene	<20	ug/kg	2/5/98	
1,2-Dichloroethene, Total	<20	ug/kg	2/5/98	
1,2-Dichloropropane	<20	ug/kg	2/5/98	
cis-1,3-Dichloropropene	<20	ug/kg	2/5/98	
trans-1,3-Dichloropropene	<20	ug/kg	2/5/98	
Ethyl benzene	<20	ug/kg	2/5/98	
2-Hexanone	<40	ug/kg	2/5/98	
Methylene chloride	<40	ug/kg	2/5/98	(11)
(11) This result has been blank corrected.				` '
4-Methyl-2-pentanone (MIBK)	<40	ug/kg	2/5/98	
Styrene	<20	ug/kg	2/5/98	

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Sample ID: LUC-A2EWALL (2/98)

Project No.: 939.008

Source: Lucas - Utica, NY

LSL Sample ID: 9800612-001 Sample Matrix: SHW,24HR

Authorization: 939.008

LSL Project No.: 9800612

Date Sampled: 2/4/98

Report Date: 2/6/98

Results	Units	Analysis Date	Commen
<20	ug/kg	2/5/98	
<20	ug/kg	2/5/98	(11)
<20	ug/kg	2/5/98	
<20	ug/kg	2/5/98	
<20	ug/kg	2/5/98	
25	ug/kg	2/5/98	
<20	ug/kg	2/5/98	
<20	ug/kg	2/5/98	(06)
	<20 <20 <20 <20 <20 25 <20	<20 ug/kg <20 ug/kg <20 ug/kg <20 ug/kg <20 ug/kg 25 ug/kg <20 ug/kg	<pre><20 ug/kg</pre>

LSL 5854 Butternut Drive East Syracuse, NY 13057

Chain of Custody Record

Relinquished By: Mr. Received for Lab By: May Anglil 25/98 10. 20 Time Client's Project I.D.: 939,008Client's Site I.D.: $U \cap A_1 \wedge Y$. EPA 8260 VOC 2/4/48 90086 Date Analyses Samples Received Intact: LSL Project #: Received By: Matrix Preserv. Containers Added # size/type 1 402 TAR Received By Custody Transfers Contact Person: BROWN I (F HIS 14) Story Relinquished By: Tothy 7:05 Sample Type Time grab comp. Shipment Method: Client: -- , Phone # 445: 2554
Address: 57 98 W.DE WATE25 PKWY
Telefax # 445: 2343 Sampled By: 434.008 Received by Telefax # (315) 445-1301 Containers Containers Sent By: LVC-AZEWAU(2/18/2/4/58 11:10 Authorization: Client's Sample Identifications Notes and Hazard identifications: DEWIT NY Phone # (315) 445-1105 LSL Sample Number Client: EM



SAMPLE ANALYSIS REPORT

9800639 LSL Project No.

Reviewed By

Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By Client's acceptance and/or use of this report, Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect Client as regards to the results contained in this report. Client further agrees that the only remedy available to Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to Client.

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008

Authorization:

LSL Project No.: 9800634

Report Date: 2/6/98

Sample ID: LUC-A3WWALL 2/98

Source: Lucas

Sample Matrix: SHW,24HR

LSL Sample ID: 9800634-001

Date Sampled: 2/5/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Commen
EPA 8260B TCL Volatiles				
Acetone	<40	ug/kg	2/6/98	
Benzene	<20	ug/kg	2/6/98	
Bromodichloromethane	<20	ug/kg	2/6/98	
Bromoform	<20	ug/kg	2/6/98	
Bromomethane	<20	ug/kg	2/6/98	
2-Butanone (MEK)	<40	ug/kg	2/6/98	
Carbon disulfide	<20	ug/kg	2/6/98	
Carbon tetrachloride	<20	ug/kg	2/6/98	
Chlorobenzene	<20	ug/kg	2/6/98	
Chloroethane	<20	ug/kg	2/6/98	
Chloroform	<20	ug/kg	2/6/98	
Chloromethane	<20	ug/kg	2/6/98	
Dibromochloromethane	<20	ug/kg	2/6/98	
1,1-Dichloroethane	<20	ug/kg	2/6/98	
1,2-Dichloroethane	<20	ug/kg	2/6/98	
1,1-Dichloroethene	<20	ug/kg	2/6/98	
1,2-Dichloroethene, Total	<20	ug/kg	2/6/98	
1,2-Dichloropropane	<20	ug/kg	2/6/98	
cis-1,3-Dichloropropene	<20	ug/kg	2/6/98	
trans-1,3-Dichloropropene	<20	ug/kg	2/6/98	
Ethyl benzene	<20	ug/kg	2/6/98	
2-Hexanone	<40	ug/kg	2/6/98	
Methylene chloride	<40	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.				` ′

Life Science Laboratories, Inc.

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization:		LSL Project No.: Report Date:		
4-Methyl-2-pentanone (MIBK)	<40	ug/kg	2/6/98	
Styrene	<20	ug/kg	2/6/98	
1,1,2,2-Tetrachloroethane	<20	ug/kg	2/6/98	
Tetrachloroethene	110	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.				
Toluene	<20	ug/kg	2/6/98	
1,1,1-Trichloroethane	<20	ug/kg	2/6/98	
1,1,2-Trichloroethane	<20	ug/kg	2/6/98	
Trichloroethene	<20	ug/kg	2/6/98	
Vinyl chloride	<20	ug/kg	2/6/98	
Xylenes (Total)	<20	ug/kg	2/6/98	

Sample ID: LUC-A3NWALL 2/98

Source: Lucas Sample Matrix: SHW,24HR

LSL Sample ID: 9800634-002 Date Sampled: 2/5/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				H-1
Acetone	260	ug/kg	2/6/98	
Benzene	<20	ug/kg	2/6/98	
Bromodichloromethane	<20	ug/kg	2/6/98	
Bromoform	<20	ug/kg	2/6/98	
Bromomethane	<20	ug/kg	2/6/98	
2-Butanone (MEK)	<40	ug/kg	2/6/98	
Carbon disulfide	<20	ug/kg	2/6/98	
Carbon tetrachloride	<20	ug/kg	2/6/98	
Chlorobenzene	<20	ug/kg	2/6/98	
Chloroethane	<20	ug/kg	2/6/98	
Chloroform	<20	ug/kg	2/6/98	
Chloromethane	<20	ug/kg	2/6/98	
Dibromochloromethane	<20	ug/kg	2/6/98	

Life Science Laboratories, Inc.

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 LSL Project No.: 9800634

Authorization:		Report Date	2/6/98	
1,1-Dichloroethane	<20	ug/kg	2/6/98	
1,2-Dichloroethane	<20	ug/kg	2/6/98	
1,1-Dichloroethene	<20	ug/kg	2/6/98	
1,2-Dichloroethene, Total	<20	ug/kg	2/6/98	
1,2-Dichloropropane	<20	ug/kg	2/6/98	
cis-1,3-Dichloropropene	<20	ug/kg	2/6/98	
trans-1,3-Dichloropropene	<20	ug/kg	2/6/98	
Ethyl benzene	<20	ug/kg	2/6/98	
2-Hexanone	<40	ug/kg	2/6/98	
Methylene chloride	<40	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<40	ug/kg	2/6/98	
Styrene	<20	ug/kg	2/6/98	
1,1,2,2-Tetrachloroethane	<20	ug/kg	2/6/98	
Tetrachloroethene	<20	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.				
Toluene	<20	ug/kg	2/6/98	
1,1,1-Trichloroethane	<20	ug/kg	2/6/98	
1,1,2-Trichloroethane	<20	ug/kg	2/6/98	
Trichloroethene	<20	ug/kg	2/6/98	
Vinyl chloride	<20	ug/kg	2/6/98	
Xylenes (Total)	<20	ug/kg	2/6/98	

Sample ID: LUC-A3SWALL 2/98

Source: Lucas
Sample Matrix: SHW,24HR

LSL Sample ID: 9800634-003

Date Sampled: 2/5/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				
Acetone	<40	ug/kg	2/6/98	
Benzene	<20	ug/kg	2/6/98	

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Page 3 of 7

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.:	939.008 LSL Project No.:	9800634
Authorization:	Report Date:	2/6/98

tnorization:		Report Date	: 2/0/98	
Bromodichloromethane	<20	ug/kg	2/6/98	
Bromoform	<20	ug/kg	2/6/98	
Bromomethane	<20	ug/kg	2/6/98	
2-Butanone (MEK)	<40	ug/kg	2/6/98	
Carbon disulfide	<20	ug/kg	2/6/98	
Carbon tetrachloride	<20	ug/kg	2/6/98	
Chlorobenzene	<20	ug/kg	2/6/98	
Chloroethane	<20	ug/kg	2/6/98	
Chloroform	<20	ug/kg	2/6/98	
Chloromethane	<20	ug/kg	2/6/98	
Dibromochloromethane	<20	ug/kg	2/6/98	
1,1-Dichloroethane	<20	ug/kg	2/6/98	
1,2-Dichloroethane	<20	ug/kg	2/6/98	
1,1-Dichloroethene	<20	ug/kg	2/6/98	
1,2-Dichloroethene, Total	<20	ug/kg	2/6/98	
1,2-Dichloropropane	<20	ug/kg	2/6/98	
cis-1,3-Dichloropropene	<20	ug/kg	2/6/98	
trans-1,3-Dichloropropene	<20	ug/kg	2/6/98	
Ethyl benzene	<20	ug/kg	2/6/98	
2-Hexanone	<40	ug/kg	2/6/98	
Methylene chloride	<40	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<40	ug/kg	2/6/98	
Styrene	<20	ug/kg	2/6/98	
1,1,2,2-Tetrachloroethane	<20	ug/kg	2/6/98	
Tetrachloroethene	<20	ug/kg	2/6/98	
Toluene	<20	ug/kg	2/6/98	
1,1,1-Trichloroethane	<20	ug/kg	2/6/98	
1,1,2-Trichloroethane	<20	ug/kg	2/6/98	
Trichloroethene	<20	ug/kg	2/6/98	

ERM - Northeast 5788 Widewaters Parkway

Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008

LSL Project No.: 9800634

Authorization:

Report Date: 2/6/98

Vinyl chloride Xylenes (Total)

<20 <20 ug/kg ug/kg 2/6/98 2/6/98

(06)

Elevated detection limit due to matrix interference.

Sample ID: LUC-A3EWALL 2/98

Source: Lucas

Sample Matrix: SHW,24HR

LSL Sample ID: 9800634-004

Date Sampled: 2/5/98

Analytical Method

Pa	rameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TC	L Volatiles				
Ac	etone	<10	ug/kg	2/6/98	
Be	nzene	<5	ug/kg	2/6/98	
Br	omodichloromethane	<5	ug/kg	2/6/98	
Br	omoform	<5	ug/kg	2/6/98	
Br	omomethane	<5	ug/kg	2/6/98	
2-1	Butanone (MEK)	<10	ug/kg	2/6/98	
Ca	rbon disulfide	<5	ug/kg	2/6/98	
Ca	rbon tetrachloride	<5	ug/kg	2/6/98	
Ch	lorobenzene	<5	ug/kg	2/6/98	
Ch	lloroethane	<5	ug/kg	2/6/98	
Ch	lloroform	<5	ug/kg	2/6/98	
Ch	lloromethane	<5	ug/kg	2/6/98	
Di	bromochloromethane	<5	ug/kg	2/6/98	
1,1	-Dichloroethane	<5	ug/kg	2/6/98	
1,2	2-Dichloroethane	<5	ug/kg	2/6/98	
1,1	-Dichloroethene	<5	ug/kg	2/6/98	
1,2	2-Dichloroethene, Total	<5	ug/kg	2/6/98	
1,2	2-Dichloropropane	<5	ug/kg	2/6/98	
cis	-1,3-Dichloropropene	<5	ug/kg	2/6/98	
tra	nns-1,3-Dichloropropene	<5	ug/kg	2/6/98	
Et	hyl benzene	<5	ug/kg	2/6/98	

Life Science Laboratories, Inc.

Page 5 of 7

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization:		LSL Project No.: Report Date:		
2-Hexanone	<10	ug/kg	2/6/98	
Methylene chloride	<10	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/6/98	
Styrene	<5	ug/kg	2/6/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/6/98	
Tetrachloroethene	<5	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.				
Toluene	<5	ug/kg	2/6/98	
1,1,1-Trichloroethane	<5	ug/kg	2/6/98	
1,1,2-Trichloroethane	<5	ug/kg	2/6/98	
Trichloroethene	<5	ug/kg	2/6/98	
Vinyl chloride	<5	ug/kg	2/6/98	
Xylenes (Total)	<5	ug/kg	2/6/98	

Sample ID: LUC-A3BOTTOM 2/98

Source: Lucas
Sample Matrix: SHW,24HR

LSL Sample ID: 9800634-005 Date Sampled: 2/5/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
Acetone	<10	ug/kg	2/6/98	
Benzene	<5	ug/kg	2/6/98	
Bromodichloromethane	<5	ug/kg	2/6/98	
Bromoform	<5	ug/kg	2/6/98	
Bromomethane	<5	ug/kg	2/6/98	
2-Butanone (MEK)	<10	ug/kg	2/6/98	
Carbon disulfide	<5	ug/kg	2/6/98	
Carbon tetrachloride	<5	ug/kg	2/6/98	
Chlorobenzene	<5	ug/kg	2/6/98	
Chloroethane	<5	ug/kg	2/6/98	

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization:		LSL Project No.: Report Date:		
Chloroform	<5	ug/kg	2/6/98	
Chloromethane	<5	ug/kg	2/6/98	
Dibromochloromethane	<5	ug/kg	2/6/98	
1,1-Dichloroethane	<5	ug/kg	2/6/98	
1,2-Dichloroethane	<5	ug/kg	2/6/98	
1,1-Dichloroethene	<5	ug/kg	2/6/98	
1,2-Dichloroethene, Total	<5	ug/kg	2/6/98	
1,2-Dichloropropane	<5	ug/kg	2/6/98	
cis-1,3-Dichloropropene	<5	ug/kg	2/6/98	
trans-1,3-Dichloropropene	<5	ug/kg	2/6/98	
Ethyl benzene	<5	ug/kg	2/6/98	
2-Hexanone	<10	ug/kg	2/6/98	
Methylene chloride	<10	ug/kg	2/6/98	(11)
(11) This result has been blank corrected. 4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/6/98	
Styrene	<5	ug/kg	2/6/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/6/98	
Tetrachloroethene	<5	ug/kg	2/6/98	(11)
(11) This result has been blank corrected.	•	88		ζ,
Toluene	<5	ug/kg	2/6/98	
1,1,1-Trichloroethane	<5	ug/kg	2/6/98	
1,1,2-Trichloroethane	<5	ug/kg	2/6/98	
Trichloroethene	<5	ug/kg	2/6/98	
Vinyl chloride	<5	ug/kg	2/6/98	
Xylenes (Total)	<5	ug/kg	2/6/98	

East Syracuse, NY 13057

Chain of Custody Record

10845 Preserv 8:001 1/6/98 Time 16/1/2 939.008 Analyses EAR ALLO LAC Client's Project I.D.: Client's Site I.D.: Received By: LSL Project #: Matrix Preserv. Containers
Added # size/type 24.48 Received for Lab By: 403. Received By: 404 4.03, K.F. Date: Custody Transfers Contact Person: 4/1 YIM BROWL 4/2 Sampled By: DMHN NEWMANN 7000 SC/X 7/8/8/ Type grab comp. Relinquished By: Relinquished By: Phone # "315/445-7553 Received by Telefax # (315) 445-1301 Containers Containers Sent By: 1545 1535 1540 Sample (35) 1520 Address: 5788 WOEWMES HOWWA Telefax # Sample Date Authorization: JU-43WMALLZAS 12/5/98 3/27/WASSNALLIPS & HC-AJRUTEMZAS (4) LUC ASENDEZPS (2) LK-431/Mgu 2/98 Client's Sample Identifications Notes and Hazard identifications: DEWITT, MY 13214 24 hr TA7 client: ERW-NURTHERST Phone # (315) 445-1105 LSL Sample Number $\overline{\partial}$ BZ 500 95

Samples Received Intact:

Shipment Method:



SAMPLE ANALYSIS REPORT

9 8 0 0 2 1 LSL Project No.

Reviewed By

Date

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008

Authorization: 939.008

LSL Project No.: 9800721 Report Date: 2/12/98

Sample ID: LUC-A1WWALL (2/98)

Source: Lucas, Utica, NY

Sample Matrix: SHW,24HR

LSL Sample ID: 9800721-001

Date Sampled: 2/11/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Commen
EPA 8260B TCL Volatiles		· · · · · ·		
Acetone	<10	ug/kg	2/11/98	
Benzene	<5	ug/kg	2/11/98	
Bromodichloromethane	<5	ug/kg	2/11/98	
Bromoform	<5	ug/kg	2/11/98	
Bromomethane	<5	ug/kg	2/11/98	
2-Butanone (MEK)	<10	ug/kg	2/11/98	
Carbon disulfide	<5	ug/kg	2/11/98	
Carbon tetrachloride	<5	ug/kg	2/11/98	
Chlorobenzene	<5	ug/kg	2/11/98	
Chloroethane	<5	ug/kg	2/11/98	
Chloroform	<5	ug/kg	2/11/98	
Chloromethane	<5	ug/kg	2/11/98	
Dibromochloromethane	<5	ug/kg	2/11/98	
1,1-Dichloroethane	<5	ug/kg	2/11/98	
1,2-Dichloroethane	<5	ug/kg	2/11/98	
1,1-Dichloroethene	<5	ug/kg	2/11/98	
1,2-Dichloroethene, Total	<5	ug/kg	2/11/98	
1,2-Dichloropropane	<5	ug/kg	2/11/98	
cis-1,3-Dichloropropene	<5	ug/kg	2/11/98	
trans-1,3-Dichloropropene	<5	ug/kg	2/11/98	
Ethyl benzene	<5	ug/kg	2/11/98	
2-Hexanone	<10	ug/kg	2/11/98	
Methylene chloride	<10	ug/kg	2/11/98	(11)
(11) This result has been blank corrected. 4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/11/98	

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization: 939.008		LSL Project No. Report Date		
Styrene	<5	ug/kg	2/11/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/11/98	
Tetrachloroethene	27	ug/kg	2/11/98	
Toluene	<5	ug/kg	2/11/98	
1,1,1-Trichloroethane	11	ug/kg	2/11/98	
1,1,2-Trichloroethane	<5	ug/kg	2/11/98	
Trichloroethene	30	ug/kg	2/11/98	
Vinyl chloride	<5	ug/kg	2/11/98	
Xylenes (Total)	<5	ug/kg	2/11/98	
trans-1,2-Dichloroethene	<5	ug/kg	2/11/98	

Sample ID: LUC-A1SWALL (2/98)

Source: Lucas, Utica, NY Sample Matrix: SHW,24HR

LSL Sample ID: 9800721-002 Date Sampled: 2/11/98

Analytical Method

	Results	Units	Analysis Date	Comment
	<10	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<10	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
	<5	ug/kg	2/11/98	
-		<10 <5 <5 <5 <5 <10 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	<pre><10 ug/kg <5 ug/kg <5 ug/kg <5 ug/kg <5 ug/kg <10 ug/kg <5 ug/kg</pre>	<pre><10 ug/kg</pre>

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization: 939.008		LSL Project No.: Report Date:		
1,1-Dichloroethene	<5	ug/kg	2/11/98	
1,2-Dichloroethene, Total	6.0	ug/kg	2/11/98	
1,2-Dichloropropane	<5	ug/kg	2/11/98	
cis-1,3-Dichloropropene	<5	ug/kg	2/11/98	
trans-1,3-Dichloropropene	<5	ug/kg	2/11/98	
Ethyl benzene	<5	ug/kg	2/11/98	
2-Hexanone	<10	ug/kg	2/11/98	
Methylene chloride	<10	ug/kg	2/11/98	(11
(11) This result has been blank corrected.				•
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/11/98	
Styrene	<5	ug/kg	2/11/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/11/98	
Tetrachloroethene	31	ug/kg	2/11/98	
Toluene	<5	ug/kg	2/11/98	
1,1,1-Trichloroethane	34	ug/kg	2/11/98	
1,1,2-Trichloroethane	<5	ug/kg	2/11/98	
Trichloroethene	19	ug/kg	2/11/98	
Vinyl chloride	<5	ug/kg	2/11/98	
Xylenes (Total)	<5	ug/kg	2/11/98	
trans-1,2-Dichloroethene	<5	ug/kg	2/11/98	

Sample ID: LUC-A1FLOOR (2/98)

Source: Lucas, Utica, NY Sample Matrix: SHW,24HR

LSL Sample ID: 9800721-003 Date Sampled: 2/11/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date Comment
EPA 8260B TCL Volatiles			The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
Acetone	<10	ug/kg	2/11/98
Benzene	<5	ug/kg	2/11/98
Bromodichloromethane	<5	ug/kg	2/11/98
Bromoform	<5	ug/kg	2/11/98
Bromomethane	<5	ug/kg	2/11/98

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 uthorization: 939.008		LSL Project No. Report Date		
2-Butanone (MEK)	<10	ug/kg	2/11/98	
Carbon disulfide	<5	ug/kg	2/11/98	
Carbon tetrachloride	<5	ug/kg	2/11/98	
Chlorobenzene	<5	ug/kg	2/11/98	
Chloroethane	<5	ug/kg	2/11/98	
Chloroform	<5	ug/kg	2/11/98	
Chloromethane	<5	ug/kg	2/11/98	
Dibromochloromethane	<5	ug/kg	2/11/98	
1,1-Dichloroethane	18	ug/kg	2/11/98	
1,2-Dichloroethane	<5	ug/kg	2/11/98	
1,1-Dichloroethene	<5	ug/kg	2/11/98	
1,2-Dichloroethene, Total	68	ug/kg	2/11/98	
1,2-Dichloropropane	<5	ug/kg	2/11/98	
cis-1,3-Dichloropropene	<5	ug/kg	2/11/98	
trans-1,3-Dichloropropene	<5	ug/kg	2/11/98	
Ethyl benzene	<5	ug/kg	2/11/98	
2-Hexanone	<10	ug/kg	2/11/98	
Methylene chloride	<10	ug/kg	2/11/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/11/98	
Styrene	<5	ug/kg	2/11/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/11/98	
Tetrachloroethene	150	ug/kg	2/11/98	
Toluene	<5	ug/kg	2/11/98	
1,1,1-Trichloroethane	94	ug/kg	2/11/98	
1,1,2-Trichloroethane	<5	ug/kg	2/11/98	
Trichloroethene	400	ug/kg	2/11/98	
Vinyl chloride	<5	ug/kg	2/11/98	
Xylenes (Total)	<5	ug/kg	2/11/98	
trans-1,2-Dichloroethene	<5	ug/kg	2/11/98	

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008

Authorization: 939.008

LSL Project No.: 9800721

Report Date: 2/12/98

Sample ID: LUC-A1EWALL (2/98)

Source: Lucas, Utica, NY

Sample Matrix: SHW,24HR

LSL Sample ID: 9800721-004 Date Sampled: 2/11/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Commen
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	2/11/98	
Benzene	<5	ug/kg	2/11/98	
Bromodichloromethane	<5	ug/kg	2/11/98	
Bromoform	<5	ug/kg	2/11/98	
Bromomethane	<5	ug/kg	2/11/98	
2-Butanone (MEK)	<10	ug/kg	2/11/98	
Carbon disulfide	<5	ug/kg	2/11/98	
Carbon tetrachloride	<5	ug/kg	2/11/98	
Chlorobenzene	<5	ug/kg	2/11/98	
Chloroethane	<5	ug/kg	2/11/98	
Chloroform	<5	ug/kg	2/11/98	
Chloromethane	<5	ug/kg	2/11/98	
Dibromochloromethane	<5	ug/kg	2/11/98	
1,1-Dichloroethane	<5	ug/kg	2/11/98	
1,2-Dichloroethane	<5	ug/kg	2/11/98	
1,1-Dichloroethene	<5	ug/kg	2/11/98	
1,2-Dichloroethene, Total	9.8	ug/kg	2/11/98	
1,2-Dichloropropane	<5	ug/kg	2/11/98	
cis-1,3-Dichloropropene	<5	ug/kg	2/11/98	
trans-1,3-Dichloropropene	<5	ug/kg	2/11/98	
Ethyl benzene	<5	ug/kg	2/11/98	
2-Hexanone	<10	ug/kg	2/11/98	
Methylene chloride	11	ug/kg	2/11/98	(52)
(52) This result has been blank corrected. La	boratory contamination is suspected.			
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/11/98	

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008

LSL Project No.: 9800721

Authorization: 939.008

Report Date: 2/12/98

Authorization: 939.008		Report Date	e: 2/12/98
Styrene	<5	ug/kg	2/11/98
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/11/98
Tetrachloroethene	55	ug/kg	2/11/98
Toluene	<5	ug/kg	2/11/98
1,1,1-Trichloroethane	25	ug/kg	2/11/98
1,1,2-Trichloroethane	<5	ug/kg	2/11/98
Trichloroethene	51	ug/kg	2/11/98
Vinyl chloride	<5	ug/kg	2/11/98
Xylenes (Total)	<5	ug/kg	2/11/98
trans-1,2-Dichloroethene	<5	ug/kg	2/11/98

Sample ID: LUC-A1NWALL (2/98)

Source: Lucas, Utica, NY

Sample Matrix: SHW,24HR

Analytical Method

LSL Sample ID: 9800721-005 Date Sampled: 2/11/98

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles			7 90 1 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
Acetone	<10	ug/kg	2/11/98	
Benzene	<5	ug/kg	2/11/98	
Bromodichloromethane	<5	ug/kg	2/11/98	
Bromoform	<5	ug/kg	2/11/98	
Bromomethane	<5	ug/kg	2/11/98	
2-Butanone (MEK)	<10	ug/kg	2/11/98	
Carbon disulfide	<5	ug/kg	2/11/98	
Carbon tetrachloride	<5	ug/kg	2/11/98	
Chlorobenzene	<5	ug/kg	2/11/98	
Chloroethane	<5	ug/kg	2/11/98	
Chloroform	<5	ug/kg	2/11/98	
Chloromethane	<5	ug/kg	2/11/98	
Dibromochloromethane	<5	ug/kg	2/11/98	
1,1-Dichloroethane	16	ug/kg	2/11/98	
1,2-Dichloroethane	<5	ug/kg	2/11/98	

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.008 Authorization: 939.008		LSL Project No.: Report Date:		
1,1-Dichloroethene	<5	ug/kg	2/11/98	
1,2-Dichloroethene, Total	300	ug/kg	2/11/98	
1,2-Dichloropropane	<5	ug/kg	2/11/98	
cis-1,3-Dichloropropene	<5	ug/kg	2/11/98	
trans-1,3-Dichloropropene	<5	ug/kg	2/11/98	
Ethyl benzene	<5	ug/kg	2/11/98	
2-Hexanone	<10	ug/kg	2/11/98	
Methylene chloride	<10	ug/kg	2/11/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	2/11/98	
Styrene	<5	ug/kg	2/11/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	2/11/98	
Tetrachloroethene	64	ug/kg	2/11/98	
Toluene	<5	ug/kg	2/11/98	
1,1,1-Trichloroethane	45	ug/kg	2/11/98	
1,1,2-Trichloroethane	<5	ug/kg	2/11/98	
Trichloroethene	630	ug/kg	2/11/98	
Vinyl chloride	<5	ug/kg	2/11/98	
Xylenes (Total)	<5	ug/kg	2/11/98	
trans-1,2-Dichloroethene	<5	ug/kg	2/11/98	

Line Science Euroratums, Inc.

Lst. 5854 Butternut Drive

East Syracuse, NY 13057

Chain of Custody Record

Phone # 445.2554	Phone # (315) 445-1105	hone # (315) 445-1105	Telefax # (315) 445-1301	315) 445-1	301	Contact	Person:	LSL Pro	Project #:		4	
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Additional Investigation Analytical



SAMPLE ANALYSIS REPORT

LSL Project No.

Reviewed B

Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By Client's acceptance and/or use of this report, Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect Client as regards to the results contained in this report. Client further agrees that the only remedy available to Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to Client.

The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without the express prior written consent of Life Science Laboratories, Inc.

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Sample ID: LUC-RSB-6 (3/98)

Project No.: 939.009

Source: Lucas, Utica, NY

LSL Sample ID: 9801162-001

Sample Matrix: SHW

Authorization: 939.009

LSL Project No.: 9801162

Date Sampled: 3/4/98

Report Date: 3/16/98

nalytical Method				
Parameter(s)	Results	Units	Analysis Date	Commen
PA 8260B TCL Volatiles				
Acetone	<10	ug/kg	3/6/98	
Benzene	<5	ug/kg	3/6/98	
Bromodichloromethane	<5	ug/kg	3/6/98	
Bromoform	<5	ug/kg	3/6/98	
Bromomethane	<5	ug/kg	3/6/98	
2-Butanone (MEK)	<10	ug/kg	3/6/98	
Carbon disulfide	<5	ug/kg	3/6/98	
Carbon tetrachloride	<5	ug/kg	3/6/98	
Chlorobenzene	<5	ug/kg	3/6/98	
Chloroethane	<5	ug/kg	3/6/98	
Chloroform	<5	ug/kg	3/6/98	
Chloromethane	<5	ug/kg	3/6/98	
Dibromochloromethane	<5	ug/kg	3/6/98	
1,1-Dichloroethane	<5	ug/kg	3/6/98	
1,2-Dichloroethane	<5	ug/kg	3/6/98	
1,1-Dichloroethene	<5	ug/kg	3/6/98	
1,2-Dichloroethene, Total	14	ug/kg	3/6/98	
1,2-Dichloropropane	<5	ug/kg	3/6/98	
cis-1,3-Dichloropropene	<5	ug/kg	3/6/98	
trans-1,3-Dichloropropene	<5	ug/kg	3/6/98	
Ethyl benzene	<5	ug/kg	3/6/98	
2-Hexanone	<10	ug/kg	3/6/98	
Methylene chloride	<10	ug/kg	3/6/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	3/6/98	
Styrene	<5	ug/kg	3/6/98	

Life Science Laboratories, Inc.

Page 1 of 2

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Sample ID: LUC-RSB-6 (3/98)

Project No.: 939.009

Source: Lucas, Utica, NY

LSL Sample ID: 9801162-001

Sample Matrix: SHW

Authorization: 939.009

7 CT D 1 1 1 1 1 00011163

LSL Project No.: 9801162 Date Sampled: 3/4/98

Report Date: 3/16/98

Y2 14		
Results	Units	Analysis Date Comment
<5	ug/kg	3/6/98
11	ug/kg	3/6/98
<5	ug/kg	3/6/98
<5	ug/kg	3/6/98
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Chain of Custody Record

East Syracuse, NY 13057

13.85 Time Client's Project I.D.: 939,009
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Analyses | Pres LUCAS Client's Site I.D.: UTCA, MY 42 MARRA 8260 (VOC.) Date 9801162 Samples Received Intact: LSL Project #: # size/type My Received for Lab By: Received By: Received By: Matrix Preserv. Containers Custody Transfers J. A. BROWN Contact Person: Added Sare | 72E Shipment Method: $\in \mathbb{U}$ 939,009 Sample Type Time grab comp. Relinguished by Address: 5788 W.DE WATERS PKWY Telefax # 445.2543 Relinquished By: Phone # 445-2554 Sampled Byc Telefax # (315) 445-1301 Received by Containers Containers Sent By: LUC-RSB-6/3/68/3355 Sample Authorization: Client's Sample Identifications Notes and Hazard identifications: DEWIT Client: ERM Phone # (315) 445-1105 LSL Sample Number



SAMPLE ANALYSIS REPORT

9801086 LSL Project No.

Reviewed By

03/06/98

Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By Client's acceptance and/or use of this report, Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect Client as regards to the results contained in this report. Client further agrees that the only remedy available to Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to Client.

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ERM - Northeast 5788 Widewaters Parkway

Dewitt, NY 13214

Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Sample ID: LUC-RSB-2 (3/98)

Project No.: 939.009

Source: Lucas, Utica, NY LSL Sample ID: 9801086-001

Sample Matrix: SHW

Authorization:

LSL Project No.: 9801086 Date Sampled: 3/2/98

Report Date: 3/6/98

Analytical Method			
Parameter(s)	Results	Units	Analysis Date Commen
EPA 8260B TCL Volatiles			
Acetone	<20	ug/kg	3/4/98
Benzene	<10	ug/kg	3/4/98
Bromodichloromethane	<10	ug/kg	3/4/98
Bromoform	<10	ug/kg	3/4/98
Bromomethane	<10	ug/kg	3/4/98
2-Butanone (MEK)	<20	ug/kg	3/4/98
Carbon disulfide	<10	ug/kg	3/4/98
Carbon tetrachloride	<10	ug/kg	3/4/98
Chlorobenzene	<10	ug/kg	3/4/98
Chloroethane	<10	ug/kg	3/4/98
Chloroform	<10	ug/kg	3/4/98
Chloromethane	<10	ug/kg	3/4/98
Dibromochloromethane	<10	ug/kg	3/4/98
1,1-Dichloroethane	14	ug/kg	3/4/98
1,2-Dichloroethane	<10	ug/kg	3/4/98
1,1-Dichloroethene	<10	ug/kg	3/4/98
1,2-Dichloroethene, Total	74	ug/kg	3/4/98
1,2-Dichloropropane	<10	ug/kg	3/4/98
cis-1,3-Dichloropropene	<10	ug/kg	3/4/98
trans-1,3-Dichloropropene	<10	ug/kg	3/4/98
Ethyl benzene	<10	ug/kg	3/4/98
2-Hexanone	<20	ug/kg	3/4/98
Methylene chloride	<20	ug/kg	3/4/98
4-Methyl-2-pentanone (MIBK)	<20	ug/kg	3/4/98
Styrene	<10	ug/kg	3/4/98
1,1,2,2-Tetrachloroethane	<10	ug/kg	3/4/98

Life Science Laboratories, Inc.

Page 1 of 2

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Jim Brown Phone: (315) 445-2554 FAX: (315) 445-2543

Sample ID: LUC-RSB-2 (3/98)

Project No.: 939.009

Source: Lucas, Utica, NY

LSL Sample ID: 9801086-001

Sample Matrix: SHW

Authorization:

LSL Project No.: 9801086

Date Sampled: 3/2/98

Report Date: 3/6/98

lytical Method			
Parameter(s)	Results	Units	Analysis Date Comment
Tetrachloroethene	<10	ug/kg	3/4/98
Toluen e	<10	ug/kg	3/4/98
1,1,1-Trichloroethane	11	ug/kg	3/4/98
1,1,2-Trichloroethane	<10	ug/kg	3/4/98
Trichloroethene	58	ug/kg	3/4/98
Vinyl chloride	<10	ug/kg	3/4/98
Xylenes (Total)	<10	ug/kg	3/4/98

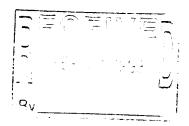
Life Science Laboratories, mc. 5854 Butternut Drive

Chain of Custody Record

Preserv. Check 3/2/8/12/20 Time 3/3/98 109:30 939.009 LUCAS Client's Site I.D.: $\mathcal{U}\mathcal{I}\mathcal{C}\mathcal{A}_{j}$ $\mathcal{K}\mathcal{K}_{j}$ I YOUTAR EPA B260 VOC EPA 8260 VOC Date Analyses 280186 Samples Received Intact:/ Acreceived for Lab By: / Den MANG Client's Project I.D.: LSL Project #: 4 or mak Matrix Preserv. Containers
Added # size/type Received By: Received By Date: Custody Transfers The BROWN Contact Person: 7000 700-2011 3015 Type grab comp. Relinquished By Shipment Method: Relinguished By Sampled By: Address: 5788 WINEWATERS PKWY Telefax # 445-2543 Phone # 445-2584 Received by Telefax # (315) 445-1301 Containers Containers Sent By: LUC-RSB-2 (3/98)3-2-98 12:20 Sample Time LK-KSB-1(3/98)3-2-98 11,25 Sample Date Authorization: D. WIII, NY, 13214 Client's Sample Identifications LSL 5854 Butternut Drive Notes and Hazard identifications: Phone # (315) 445-1105 LSL Sample Number Client: ERM **



Revised Laboratory Analysis Report



LSL Project Number: 9805595

Reviewed By

Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to reperform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc.

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Mr. Sean Pepling Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.010 Authorization: 939.010 LSL Project No.: 9805595 Revised Report Date: 9/18/98 Original Report Date: 9/16/98

Sample ID: LUC-AZA-WWALL090298

Source: Lucas, Utica

Sample Matrix: SHW

LSL Sample ID: 9805595-001
SHW Date Sampled: 9/2/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	9/9/98	(11)
(11) This result has been blank corrected.				
Benzene	<5	ug/kg	9/9/98	
Bromodichloromethane	<5	ug/kg	9/9/98	
Bromoform	<5	ug/kg	9/9/98	
Bromomethane	<5	ug/kg	9/9/98	
2-Butanone (MEK)	<10	ug/kg	9/9/98	
Carbon disulfide	<5	ug/kg	9/9/98	
Carbon tetrachloride	<5	ug/kg	9/9/98	
Chlorobenzene	<5	ug/kg	9/9/98	
Chloroethane	<5	ug/kg	9/9/98	
Chloroform	<5	ug/kg	9/9/98	
Chloromethane	<5	ug/kg	9/9/98	
Dibromochloromethane	<5	ug/kg	9/9/98	
1,1-Dichloroethane	<5	ug/kg	9/9/98	
1,2-Dichloroethane	<5	ug/kg	9/9/98	
1,1-Dichloroethene	<5	ug/kg	9/9/98	
cis-1,2-Dichloroethene	13	ug/l	9/9/98	
trans-1,2-Dichloroethene	<5	ug/l	9/9/98	
1,2-Dichloropropane	<5	ug/kg	9/9/98	
cis-1,3-Dichloropropene	<5	ug/kg	9/9/98	
trans-1,3-Dichloropropene	<5	ug/kg	9/9/98	
Ethyl benzene	<5	ug/kg	9/9/98	
2-Hexanone	<10	ug/kg	9/9/98	
Methylene chloride	<10	ug/kg	9/9/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	9/9/98	
Styrene	<5	ug/kg	9/9/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	9/9/98	

Life Science Laboratories, Inc.

Page 2 of 6

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Sean Pepling Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.010

Revised Report Date: 9/18/98

uthorization: 939.010

Criginal Report Date: 9/16/98

Authorization: 939.010	Ori	ginal Report Date	: 9/16/98
Tetrachloroethene	<5	ug/kg	9/9/98
Toluene	<5	ug/kg	9/9/98
1,1,1-Trichloroethane	<5	ug/kg	9/9/98
1,1,2-Trichloroethane	<5	ug/kg	9/9/98
Trichloroethene	19	ug/kg	9/9/98
Vinyl chloride	<5	ug/kg	9/9/98
Xylenes (Total)	<5	ug/kg	9/9/98

Sample ID: LUC-AZA-SWALL090298

Source: Lucas, Utica

Sample Matrix: SHW

LSL Sample ID: 9805595-002

Date Sampled: 9/2/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	9/9/98	
Benzene	<5	ug/kg	9/9/98	
Bromodichloromethane	<5	ug/kg	9/9/98	
Bromoform	<5	ug/kg	9/9/98	
Bromomethane	<5	ug/kg	9/9/98	
2-Butanone (MEK)	<10	ug/kg	9/9/98	
Carbon disulfide	<5	ug/kg	9/9/98	
Carbon tetrachloride	<5	ug/kg	9/9/98	
Chlorobenzene	<5	ug/kg	9/9/98	
Chloroethane	<5	ug/kg	9/9/98	
Chloroform	<5	ug/kg	9/9/98	
Chloromethane	<5	ug/kg	9/9/98	
Dibromochloromethane	<5	ug/kg	9/9/98	
1,1-Dichloroethane	5.3	ug/kg	9/9/98	
1,2-Dichloroethane	<5	ug/kg	9/9/98	
1,1-Dichloroethene	<5	ug/kg	9/9/98	
cis-1,2-Dichloroethene	81	ug/l	9/9/98	
trans-1,2-Dichloroethene	<5	ug/l	9/9/98	
1,2-Dichloropropane	<5	ug/kg	9/9/98	
cis-1,3-Dichloropropene	<5	ug/kg	9/9/98	
trans-1,3-Dichloropropene	<5	ug/kg	9/9/98	

Life Science Laboratories, Inc.

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Sean Pepling Phone: (315) 445-2554 FAX: (315) 445-2543

LSL Project No.: 9805595

Project No.: 939.010

Revised Report Date: 9/18/98

uthorization: 939.010

Original Report Date: 9/16/98

Authorization: 939.010	Orig	ginal Report Date	: 9/16/98	
Ethyl benzene	<5	ug/kg	9/9/98	
2-Hexanone	<10	ug/kg	9/9/98	
Methylene chloride	<10	ug/kg	9/9/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	9/9/98	
Styrene	<5	ug/kg	9/9/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	9/9/98	
Tetrachloroethene	<5	ug/kg	9/9/98	
Toluene	<5	ug/kg	9/9/98	
1,1,1-Trichloroethane	8.9	ug/kg	9/9/98	
1,1,2-Trichloroethane	<5	ug/kg	9/9/98	
Trichloroethene	84	ug/kg	9/9/98	
Vinyl chloride	<5	ug/kg	9/9/98	
Xylenes (Total)	<5	ug/kg	9/9/98	

Sample ID: LUC-AZA-NWALL090298

Source: Lucas, Utica LSL Sample ID: 9805595-003
Sample Matrix: SHW Date Sampled: 9/2/98

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	9/9/98	(11)
(11) This result has been blank corrected.				
Benzene	<5	ug/kg	9/9/98	
Bromodichloromethane	<5	ug/kg	9/9/98	
Bromoform	<5	ug/kg	9/9/98	
Bromomethane	<5	ug/kg	9/9/98	
2-Butanone (MEK)	<10	ug/kg	9/9/98	
Carbon disulfide	<5	ug/kg	9/9/98	
Carbon tetrachloride	<5	ug/kg	9/9/98	
Chlorobenzene	<5	ug/kg	9/9/98	
Chloroethane	<5	ug/kg	9/9/98	
Chloroform	<5	ug/kg	9/9/98	
Chloromethane	<5	ug/kg	9/9/98	
Dibromochloromethane	<5	ug/kg	9/9/98	
Dintomoculotomernane	<>>	ug/kg	919190	

Life Science Laboratories, Inc.

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ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Project No.: 939.010

Attn: Mr. Sean Pepling Phone: (315) 445-2554 FAX: (315) 445-2543

LSL Project No.: 9805595
Revised Report Date: 9/18/98

Project No.: 333.010		p		
Authorization: 939.010	Orig	ginal Report Date:	9/16/98	
1,1-Dichloroethane	<5	ug/kg	9/9/98	
1,2-Dichloroethane	<5	ug/kg	9/9/98	
1,1-Dichloroethene	<5	ug/kg	9/9/98	
cis-1,2-Dichloroethene	11	ug/l	9/9/98	
trans-1,2-Dichloroethene	<5	ug/l	9/9/98	
1,2-Dichloropropane	<5	ug/kg	9/9/98	
cis-1,3-Dichloropropene	<5	ug/kg	9/9/98	
trans-1,3-Dichloropropene	<5	ug/kg	9/9/98	
Ethyl benzene	<5	ug/kg	9/9/98	
2-Hexanone	<10	ug/kg	9/9/98	
Methylene chloride	<10	ug/kg	9/9/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	9/9/98	
Styrene	<5	ug/kg	9/9/98	
1,1,2,2-Tetrachloroethane	<5	ug/kg	9/9/98	
Tetrachloroethene	<5	ug/kg	9/9/98	
Toluene	<5	ug/kg	9/9/98	
1,1,1-Trichloroethane	<5	ug/kg	9/9/98	
1,1,2-Trichloroethane	<5	ug/kg	9/9/98	
Trichloroethene	8.4	ug/kg	9/9/98	
Vinyl chloride	<5	ug/kg	9/9/98	
Xylenes (Total)	<5	ug/kg	9/9/98	

Sample ID: LUC-AZA-FLOOR090298

Source: Lucas, Utica

Sample Matrix: SHW

LSL Sample ID: 9805595-004

Date Sampled: 9/2/98

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Ana	ιντι	cai	M	etno	a

Analytical method				
Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	9/9/98	(11)
(11) This result has been blank corrected.				
Benzene	<5	ug/kg	9/9/98	
Bromodichloromethane	<5	ug/kg	9/9/98	
Bromoform	<5	ug/kg	9/9/98	
Bromomethane	<5	ug/kg	9/9/98	

Life Science Laboratories, Inc.

Page 5 of 6

ERM - Northeast 5788 Widewaters Parkway Dewitt, NY 13214 Attn: Mr. Sean Pepling Phone: (315) 445-2554 FAX: (315) 445-2543

Project No.: 939.010

Revised Report Date: 9/18/98

uthorization: 939.010

Original Report Date: 9/16/98

Authorization: 939.010	Original l	Report Date: 9	/16/98	
2-Butanone (MEK)	<10	ug/kg	9/9/98	
Carbon disulfide <	<5	ug/kg	9/9/98	
Carbon tetrachloride <	<5	ug/kg	9/9/98	
Chlorobenzene <	<5	ug/kg	9/9/98	
Chloroethane <	<5	ug/kg	9/9/98	
Chloroform <	<5	ug/kg	9/9/98	
Chloromethane <	<5	ug/kg	9/9/98	
Dibromochloromethane <	<5	ug/kg	9/9/98	
1,1-Dichloroethane <	<5	ug/kg	9/9/98	
1,2-Dichloroethane	<5	ug/kg	9/9/98	
1,1-Dichloroethene <	<5	ug/kg	9/9/98	
cis-1,3-Dichloropropene <	<5	ug/kg	9/9/98	
trans-1,3-Dichloropropene <	<5	ug/kg	9/9/98	
1,2-Dichloropropane <	<5	ug/kg	9/9/98	
Éthyl benzene <	<5	ug/kg	9/9/98	
2-Hexanone <	<10	ug/kg	9/9/98	
Methylene chloride <	<10	ug/kg	9/9/98	(11)
(11) This result has been blank corrected.				
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	9/9/98	
Styrene <	<5	ug/kg	9/9/98	
1,1,2,2-Tetrachloroethane <	<5	ug/kg	9/9/98	
Tetrachloroethene <	<5	ug/kg	9/9/98	
Toluene <	<5	ug/kg	9/9/98	
1,1,1-Trichloroethane	<5	ug/kg	9/9/98	
1,1,2-Trichloroethane <	<5	ug/kg	9/9/98	
Trichloroethene 2	24	ug/kg	9/9/98	
Vinyl chloride <	<5	ug/kg	9/9/98	
Xylenes (Total)	<5	ug/kg	9/9/98	
cis-1,2-Dichloroethene 7	7.2	ug/l	9/9/98	
trans-1,2-Dichloroethene <	<5	ug/l	9/9/98	

(ESE) EREAL

Chain of Custody Record

5854 Butternut Drive East Syracuse, NY 13057

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dlient:	PM		Phone #	445-2554	455				78CD52(D	(P10000 C	(Please circle one)
 	5783 WIDE WAT7825 PRUT Telefax#	S PRUY	Telefax#		445-2543		Cie	nt's Site	Client's Site I.D.: してAS	24 Hr	48 Hr
	DEWETT, N.Y.	13073								72 Hr	1 Week
Contact Per	Contact Person: SEAN PEPLING	رُه آ	Authorization:		939.010	0	Cie	nt's Proje	Client's Project I.D.: 939, 010	2 Weeks	3 Weeks
	<u> </u>	ımple Jate	Sample Time	Typ grab co	Matrix	Preserv. Adde d	Conta # siz	Containers size/type	Analyses	Presery. Check	LSL ID#
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Appendix D CWM Approval Letter

CONFIRMATION LETTER

January 28, 1998

MR. JIM BESCA

ERM ENVIROCLEAN NORTHEAST

175 FROEHLICH FARM BLVD

WOODBURY, NY 11797-2920

Re: Confirmation Number

4511101

Attention: MR. JIM BESCA

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-800-843-3604 to schedule shipment of your waste materials.

CWM Profile Number:

CG9391 MDC

Approved Mant, Facility:

CWM MODEL CITY FACILITY

or another CWM or CWM approved facility

Waste Name:

EXCAVATED SOIL

Disposal Method:

Subtitle C Landfill

Disposal Price:

- \$144.00 per ton including transportation via

roll-offs, liners, taxes and disposal

- 17 ton minimum per load - \$600.00 per roll-off drop off

- \$15.00 per day roll-off rental after 2 free days

Transportation Price:

- Included in disposal price

Demurrage:

- \$85.00 demustage per hour after the first free

hour of loading time

Waste Approval Fees:

- Waived

Pricing Conditions:

- Incidental liquids in bulk loads = \$800.00 per

load

Profile Expiration Date:

1/27/00

Special Conditions:

- Waste profile sheet numbers must appear on

manifests.

- No demurrage will be paid by CWM Chemical Services, Inc., for delays at Model City for on-site acceptance procedures when Re: Confirmation Number

4511101

generator/customer arranges their own transportation.

- Customers who require Certificates of Disposal should place the phrase "Certificate of Disposal Required" in Section 15 of the manifest.
- Special Land Disposal Notification and Certification Form must be properly executed and accompany each shipment of this waste.
- New York State Department of Environmental Conservation (NYSDEC) approved for 600 tons as an event.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Sheri Brenduzza SHERI BIENDUGA 630/218-18/2

Chemical Waste Management, Inc

Chemical waste Management, Inc. GENERATOR'S WASTR PROFILE SEERT

Profile # MDC CC9391

MERAT, THEORMATION		Generator USEPA ID	: WYD002244911	
Generator Name: LUCAS AKHOSPACE		Generator OBERN 10		
Generator Address: 211 6KWARD AVE		Billing Address:	ERM ENVIROCLEAR S	CRINCAST
		(<u>)</u> 8aa0	175 PROBBILICE PAR	EM BLVD
11500 5510		-		
UTICA SY 13502-5749 Technical		_		
Contact/Phone: JOE BESCA	514/452-1429	_ 74334	WOODBURY	MY 11797-2920
Alternate Contact/Phone: JIM BROWN	315/445-2554	Billing Contact/Phone: JUS	TIME	
COPERTIES AND COMPOSITION				
Process Generating Waste: REMOVAL OF VOC-	IMPACTED SOILS-EPA	WASTE CODES POOL A	D F002.	
Waste Name: EXCAVATED SOIL				
	2 Part 261)7 You (XI Mo()		
 Is this a Unit's hazardous wasts (40 C); Identify ALL USEPA listed and character 	ristic waste code n	numbers (D,P,K,P,U):	F001 F002	
-				Samo as USEPA Codes
				-
. Physical State § 70F: A. Solid(X) Liquid	(_) Both(_) Cas(_)	B. Single Layer (X)	Multilayer (_) C.	Pres 11q. range coce
A. pH: Range or Not applicable	e (X) B. Strong	Odor (_);describe _		
	-			
O.Liquid Plack Point < 73F (_) 73-99F (_) 100-139P (_} 10	10-199F (_) >- 200P	(_) M.A. (X) Cld	need Cup (X) Open Cup (_)
1. CHEMICAL COMPOSITION: List ALL constit Constituents	neuru (Incl. uwrode	Range Unit Dee	cription	
		20.4		
SOIL	92	to 99 %		
PPE, POLYSEESTING, DEBRIS	1	to b		
HALOGENATED (VOCS)	0	to 25 PPM		
IMOODALIAL (1000)	_			
NOM-HALOGENATED (VOCS)		to 15 PPM		
		to		
		to		
TOTAL COMPOSITION (MUST EQUAL OR EXCERT	100%):	104.000000		
12. OTHER: PCBs if yes, concentration	nom. P	ome regulated by 40	CFR 761 (). Pyro	phoric () Explosive (_)
Redicactive () Benzene il Yes.	, concentration	ppm.	NBSHAP (M) Shock Se	meltive (_) Oxidizer (_)
Carcinogen (_) Infectious (_)	JERREE			
	te treatment etande	ards, obeck here: _	& supply analytical	results where applicable.
 II AWREA BADJOCK to the TWD DWU F 2000. 				
13. If waste subject to the land ban & mee				
COLLUSTRA INCOMPRESANT		- /g / nor 1 05¥	Other	
SHIPPING INFORMATION 14. PACKAGING: Bulk Solid (X) Bulk Liquid				
COLLUSTRA INCOMPRESANT				
SHIPPING INFORMATION 14. PACKAGING: Bulk Solid (X) Bulk Liquid			ng Prequency: ONE 1	PIME_
SHIPPING INFORMATION 14. PACKAGING: Bulk Solid (X) Bulk Liquid 15. ANTICIPATED ARRUAL VOLUME: 600 SAMPLING INFORMATION	Units: TOWS	8hippi	ng Frequency: ONE 1	ple Tracking Number: 4511101
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SHIPPING INFORMATION 14. PACKAGING: Bulk Solid (X) Bulk Liquid 15. ANTICIPATED ARMUAL VOLUME: 600 SAMPLING INFORMATION 16a. Sample nource (drum, lagoon, pond, ta	Units: TOMS unk, vat, etc.):	Shippi	ng Prequency: ONE 7	ple Tracking Number: 4511101
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SHIPPING INFORMATION 14. PACKAGING: Bulk Solid (X) Bulk Liquid 15. ANTICIPATED ARRUAL VOLUME: 600 SAMPLING INFORMATION 16a. Sample nource (drum, legoon, pond, ta Date Sampled: Sampler's Name 16b. Generator's Agent Supervising Samplin GENERATOR'S CERTIFICATION I hereby certify that all information submitted waste. Any sample submitted is represented the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sam	Units: TOMS unk, vat, etc.): /Company: sitted in this and sentative as define	all attached document in 40 CFR 261 - April 1 the possession of	80mg 17. (X) No sample nts contains true appendix I or by usi	ple Tracking Number: 4511101 required (See instructions. and accurate descriptions of an equivalent method. All
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and physical appearance BOIL

	MCU LABOTICATO	n that is applicable:BOCs,	PCBs,	Acid,	_ Metalo,	_ Cyanides		
3	dentify ALL ch number, identif 268.43).	aracteristic and Listed by the subcategory (as ap	BEPA bazardo plicable, chec	as wasto n ck none, o	umbers that r write in t	apply (am defined by 40 CFR the description from 40 CFR 2	261). For each 68.41, 268.42,	
	A. US BPA	B. SUBCATEGOR				CABLE TREATMENT	D. HOW MUST THE WASTE BE	
œP	HASTE CODE(S)	TE CODE(S) Sinter the subcategory description. If not applicable, simply check none		1	MARCE- ED: applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42	Enter lette from below	
	ļ -	DESCRIPTION	NONE	268.41(a)	268.43(a)	268.42	- 	
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22.	B.2 RESTRICTS TREATED S B.3 GOOD PAIT C. RESTRICTS D. RESTRICTS E. NOT CURRS Is this waste Specific Grav indicate the Cyanides: Cyanides:	THAT TECHNOLOGY) H ANALYTICAL CERTIFICATION D WASTE SUBJECT TO A VARIOUS SET LAND DISPOSATE CAN BE LAND DISPOSATE BOOK SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAND DISPOSATE SET LAN	ON FOR INCIMES LANCE DEED WITHOUT 1 POSAL RESTRICT TOS. 84	TURTHER THE PLONES COIL: X	Type (free,	total, magnable, etc.)		
22.	B.2 RESTRICTE THEATED S B.3 GOOD PAIT C. RESTRICTE D. RESTRICTE S. NOT CURRE Is this waste Specific Grav indicate the Cyanides: Cyanides: Sulfides: Optional	THAT TECHNOLOGY) H ANALYTICAL CERTIFICATION D WASTE SUBJECT TO A VARIOUS SET AND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT TO LAND DISPONITE SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SU	ON FOR INCINES LANCE DEED WITHOUT I POSAL RESTRICT THE YEAR, SA	CURTHER TRUETONS	EATMENT Yes, Debrie: Type (free,	total, magnable, etc.)		

25. COMPLETE ONLY FOR WASTES INTERDED FOR FUELS OR INCINERATION		26. RECLARATION, FUELS OF INCINERATION PARAMETERS (Provide if information is available)
TOTAL	 	RANCE
Beryllium as Be	. bbæ	A. Roat Value (Btu/lb):
Potessium as K	ı	B. Water:
Socium as Ra	ĺ	C. Viccosity (ope): @ F 100 F 150 F
Browine as Br	_ •	D. Ash:
Chlorine as Cl	_ %	E. Settleable solida:
Fluorine as P		F. Vapor Pressure @ STP (==/Hg):
Sulfur as 8	8	G. Is this waste a pumpable liquid? Yes _ Mo _
-		E. Can this wasto be heated to improve flow? Yes _ Bo _
		I. Is this waste soluble in water? Yes _ No _
		J. Particle size: Will the solid portion of this weate pass through a 1/8 inch screen? Yes _ Ho _
The second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sect		
?7. TRANSPORTATION INFORMATION		
A. In this a DOT Hazardous Material? Yes X No	morte to	STOR. SCILID. N.C.S
B. Proper Shipping Fame	WA GUARA	Wild's Product (1990)
and Additional Description if required: (F001,F00		
C. DOT Regulations: North America Bazard Class: 9	a Mi	sc. Bazardous Mat'l I.D. NA3077 Packing Group: III
D. CERCIA Reportable Quantity (RQ) and noits (Lb, Kg)):	0 Lb
B. Non-Bulk code 213 Bulk code 240		
P. Special Provisions B54		
G. Labels Required CLASS 9		
28. SPECIAL HANDLING INFORMATION		
Material Safety Data Sheets Attached		
29. OTHER INFORMATION		

30. CHEMICAL WASTE MAKAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS COMSTITUTETS Indicate if the waste contains any of the following.

METALS	Check o	TCLP Informationly ONE for each	ch commat	ituent	TCLP Data	l	TCA or TOTAL Use units: ppm, mg/l, mg/kg or pargent				
		Vec units: pp	p. =9/}	i.							
	Less Than	TC Regulated Level	equal or Hore	Waste No.	TCLP Actual	Less	Regul:	ated	Equal or More	Actual	
senic as As	x	5.0 mg/l		D004			500	#g/1	<u> </u>		
rium as Ba	×	100.0 mg/l		D005							
odwium as Cd	x	1.0 mg/l	[0006			100	3 9/1	-		
romium tot Cr	<u> </u>	5.0 ×g/1	<u> </u>	D007			<u> </u>		i		
eed as Pb	x	5.0 =0/1	+ +	ВООД			500	= 9/1	 		
ercury as Eg	×	.2 mg/l	·{	D009			20	= g/1	 		
elenium es 6e	X	1.0 mg/l		D010			100	=1/1	 	<u> </u>	
ilver as Ag	X	5.0 mg/l	-	D011			 		 	 	
ickel as Mi	 	-					134	mg/l		<u> </u>	
nailium as Tl	 	-					130	m g/1	1		
Turomium Best	 	-			w		500	mg/l	 -	 	
Intimony	-	 					 		-	 	
Beryllium		-	1				<u> </u>		-	 	
Copper				! 			+		 	-	
/anadium	 		-	 		- 			 		
Zinc		-	-	<u> </u>			 		+		
		-	-	<u> </u>		- 	 -		- 		
		_	-	 	<u> </u>	- -			+-		
			-	 		<u> </u>	+		+		
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32. OTHER BAZARDOUS COMMITTUENTS Indicate if the waste contains any of the following.

ANIC8	Chank or	TCLP Informa		nstituent	TCLP Data	Use units: pps, mg/l or	
	Lees Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or wg/l	-	
Benzene	х	0.5 mg/l	i 	D018			
Carbon Tetrachloride	x	0.5 mg/ l	ļ	0019			
Chlordene	x x	0.03 mg/l	<u> </u>	D020		1	
Chlorobenzene	X	100.0 mg/l	 	0021		<u> </u>	
Chloroform	x	6.0 mg/l	<u> </u>	D022			
m-Cresol	x	200 mg/1	<u> </u>	D024			
o-Cresol	x	200.0 mg/1	!	р023			
p-Cresol	x	200.0 mg/1	-	0025		1	
Cresol	x	200.0 mg/l	-	D026			
2,4-D	x	10.0 mg/l	<u> </u>	DOTe			
1.4 Dichlorobenzens	x	7.5 mg/l		D027			
1,2-Dichlorosthans	x	0.5 mg/l	-	D028			
1,1-Dichlorosthylone	x	0.7 mg/1	 	D029			
2,4-Dimitrotoluene	x	0.13 s g/1	 	0030	<u> </u>		
Endrin	x	.02 mg/1	<u> </u>	D012			
Reptachlor, & Hydroxide	x	0.000 mg/l	-	D031			
Hexachloro-1,3 Butadieno	x	0.5 mg/1		D033			
Hexach Lorobenzene	x	0.13 mg/3	-	D032			
Hexachloroethane	<u> </u>	3.0 mg/1	1	D034			
Lindena	<u> </u>	0.4 199/	L	D013			
Methoxychlor	l x	10.0 mg/	4	D014	<u> </u>		
Mathyl Ethyl Kutone	X.	200.0 mg/		D035			
Ritrobensene	<u> </u>	2.0 mg/	1	D036			
Pentachlorophonol	x	100.0 ■ g/	1	D037	-		
Pyridine	x_	5-0 mg/	1	D038			
Tetrachlorosthylene	x	0.7 mg/	1	р039			
Toxaphene	x	0.5 mg/	<u>. </u>	D015			
2,4,5-TP Bilveox	<u>x</u>	1.0 mg/	1	ро17			
Trichlorosthylene	<u> </u>	0.5 mg/	1	D040			
2,4,5-rrichlorophenol	X	400.0 mg/	1	D041			
2,4,6-Trichlorophenol	x	2.0 mg/	1	D042		<u></u>	
Vinyl Chloride	<u> </u>	0.2 жд/	<u>1 </u>	D043			
	i		-	l	1		

dC Constituent

Management Method

bods

Solvent Constituent	Management Met
carbon tetrachloride	<u>D</u>
Chlorobenzene	<u> </u>
-Dichlorobenzena	<u> </u>
Methylene chloride	a
etrachlorosthylane	<u> </u>
1,1,1-Trichloroochare	<u>D</u>
1,1,2-Trichloroethane	<u> </u>
Trichlorosthylens	<u> </u>
Trichloromonofluoromethune	<u>D</u>
1 2 2-mm/chlorn-1 2 2-trifluoroethan	e D

Appendix E Backfill Material Source Letter



FRED BURROWS TRUCKING & EXCAVATING

5599 LOVERS LANE ORISKANY, NY 13424

Phone: (315) 736-1971, 736-1444 Fax: (315) 736-0620

March 6, 1998

ERM Northeast 5788 Widewaters Parkway Dewitt, NY 13214

Attn: Jim Brown

Re: LUCAS AEROSPACE FACILITY

Seward Ave. Utica, NY

Gentlemen:

With regard to the origin of materials delivered to the above noted facility, kindly be advised as follows:

2/2/98 - 2/5/98 180 cy of Sand Fill originated at the Burrows Pit, Route 69, Whitesboro, NY

2/6/98 - 2/11/98 89.46 ton of Crusher Run originated at Benchmark, NY, Oriskany Falls Plant

Be further advised that both types of materials listed above were delivered from a clean, virgin, non-contaminated source.

Very truly yours,

FRED BURROWS TRUCKING & EXCAVATING

By Frederick R. Burrows, Jr.

Partner

FRB:elc

Appendix F Boring Logs



5788 Widewaters Parkway, Dewitt, New York 13214

Boring Number RSB-1

TOJECT NATIVE	& Location	SONCE		7.CA. N	Project Number 1.4. 939.009 Foreman	Date & Time Started: 1001 45	3/2/98		
rilling Comp		3644 1		<u>,,, , , , , , , , , , , , , , , , , , </u>	J. STOREY	Sampler(s) J. S. TOREY	Sampler Hammer Drop		
rilling Equip E-S P	oment				Method	Elevation & Datum	Completion Depth Rock Depth		
	"Ø	<u></u>			Core Barrel(s)	Geologist(s)			
DEPTH	<u> </u>	SAMPLE			CON DE	COUPTION	REMARKS		
(ft below	Sample Number	Recovery (teet)	FTD/ PTD (ppm)	Blow Counts	SOIL DE	SCRIPTION	3-4" EAST OF CSB-1		
grade)	LOCATION		,ppu.,		SURFACE DESCRIPTION:		OVM BACKGROUND CO.		
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2									
3			3,1						
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		0.85	4.5	<u> </u>	USEO THIS	CORE SAMPLE	E98 6.0'		
					TO OSTAINED	SAMPLE FOR			
					EPA 826	0 100			
7					IP: LUC-RS	0 100			
8					SAMPLE A	OT SUBMITTED	FOR WALYSIS		
9									
10									
	Pag	· e	of		Signature: ${\cal J}$	A Story	Date: 3/2/98		



5788 Widewaters Parkway, Dewitt, New York 13214

Boring Number
RSB~Z

roject Name いじCA	& Location	RO SP	AC E		Project Number 9.39.009	Date & Time Started: 2/2/98 Date & Time Completed:	11:35			
Anilling Comp	релу	40 51,	10/0		Ecreman	Sampler(s) Sampler Hammer Drop				
EC /					JEFF STONEY Method	J. STODEY Elevation & Datum	Completion Depth	Rock Depth		
	D				Medica		•	·		
Sit Size(s)	" Ø				Core Barrei(s)	Ceologist(s)				
DEPTH		SAMPLE	ES FID/		SOIL DES	CRIPTION	REMARKS			
(ft below grade)	Sample Number	Recovery (teet)	PTD (ppm)	3low Counts			G-8" FAST OVM BACKGE	CSB-4		
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					BROWN SAN	D AND SILT A		Sec. 1		
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		1,93	7,3		USED TILS COR	LE SAMPLE TO	EOB	6.0		
8										
					OBPAIN SAM	60 VOC				
7					IP. LUC - RS	SB-2 (3/98)				
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9			-							
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5788 Widewaters Parkway, Dewitt, New York 13214

Boring Number $\rho(R-2)$

Criting Com	AS.	AERI	SPAC	CE_	939.00	Date & Time Complete	1340 * 1415	3/2/	198
Oriting Com	pany U				JEFF STOREY	Sempler(s)		Sampler Hammer	Огор
ritung Equi	SD				Method	Elevation & Danum	<u> </u>	Completion Depth	Rock Depth
3-t Suze(s)] ' K	<u></u>			Core Barrel(s)	Geologist(s)		·	
DEPTH		SAMPL	ES						
(ft below	Sample	Recovery	51D/ 21D	Blow	SOIL DES	CRIPTION			1ARKS
grade)	Number LOCATION	(teet)	(bbar)	Counts	SURFACE DESCRIPTION:			5-8"NORTH	LSB-Z
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5788 Widewaters Parkway, Dewitt, New York 13214

Boring Number
RSB-4

		* Location	AER	20SPA	KE	Project Number 939,009	Date & Time Started: 2/3/98 Date & Time Completed:	14,30/14:40
Drilling		pany			JEF	- Foreman	Sampler(s) J. STOREY	Sampler Hammer Drop
Drilling		- · · · · · · · · · · · · · · · · · · ·				Method	Elevation & Danum	Completion Depth Rock Depth
Bit Size(s	<u>ح</u>		,			Core Barrel(s)	Geologist(s)	
DEPI	H	1"P	SAMPLE	· S				7-0"50V-H RSB-Z
•	- [FTD/		SOIL DESC	CRIPTION	3-4" EASTREMARKS EDGE OF AREAZ
(ft beld grade	2)	Sample Number	Recovery (teet)	(ppm)	Slow Counts			
1	1	LOCATION				SURFACE DESCRIPTION:		-
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ł						LIGHT GRAY SAN	DE GRAVEL	
<u>, </u>	ı			39:0		HEAVY ODUR REFUSAL G. T	WET-	1.2'-REFUSAL-
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5788 Widewaters Parkway, Dewitt, New York 13214

Boring Number
RS B-5

	LUCAS AEROSPACE				439.009	Date de Time Scarted: 2/3/98 Date de Time Completed: / 5 3	14.34	
Onling Coo	\sim		JEF	F	Foreman S7EREY	Samplerisi SRIEY	Sampler Hammer	Отор
Ordling Equ	ipment P				Metrod	Elevation & Datum	Completion Depth	Rock Depth
Bit Size(s)	<i>j "</i>	Ø			Core Barrel(s)	Geologist(s)	· · · · · · · · · · · · · · · · · · ·	
DEPTH		SAMPL	ES				VIA" COULD	4 OF
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5788 Widewaters Parkway, Dewitt, New York 13214

Boring Number RSB - 6

Project Name	La Location	FRU.SF	PACE		Project Number 939, 009	Date & Time Started: 12:25 Date & Time Completed: 1335	3/4/96	·	
LUCAS AFRU.SPACE Drilling Company EPM					JEFF STOREY J. STOREY		Sampler Hammer Drop		
Drilling Equa	SP			***************************************	Method	Elevation & Datum	Completion Depth	Rock Depth	
Bit Size(s)	i " 9	Ø			Core Berrel(s)	Geologist(s)			
DEPTH		SAMPLE	S FTD/		SOIL DES	CRIPTION	REN	MARKS	
(ft below grade)	Sample Number	Recovery (teet)	PTD (ppm)	Blow Counts			BACK GROUND HVU RFADING O. 1		
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					J'OME GIAVEL				
			1, 1					· .	
5			3.0		BROWN SILT M	LD SIND AND GRAVE			
		1, 15	4,2		MONST				
6					REFUSAL @ 6	.0′			
					SAMPLED FOR	EPA 8260, FROM			
7				 	ID LUC-RIB-	EPA 8260, FROM TUBE 3.5 TO 6.0 6 (3/98)			
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