

Chromium Vault  
RO 2656



**ERICKSON Inc.**

255 Parr Boulevard / Richmond, CA 94801 / (510) 235-1393 / Fax (510) 235-3709

September 13, 1992

Steve Slade, General Manager  
Charles Lowe Company  
1400 Park Avenue  
Emeryville, CA 94608-0445

Dear Mr. Slade:

Attached are two copies of the final report for the closure of the Chromex plating facility. Please review the report and contact me if you need to have any changes made.

If no changes are necessary, please send the second copy of the report to the following agency contact:

Brian Oliva, REHS, REA  
Alameda County Health Care Services Agency  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621

In order to have a record that you have sent a copy of the report to Alameda County, I suggest that you send the report by certified mail to Mr. Oliva.

Thank you for the opportunity to be of service to you and your company.

Very truly yours,

A handwritten signature in cursive script that reads "Mary L. Boyd".

Mary L. Boyd  
Project Engineer



**FINAL CLOSURE REPORT  
OF THE  
CHROMEX PLATING FACILITY**

Prepared for  
CHARLES LOWE COMPANY  
1400 PARK AVENUE  
EMERYVILLE, CALIFORNIA 94608-0445

For submittal to  
ALAMEDA COUNTY HEALTH AGENCY  
DIVISION OF HAZARDOUS MATERIALS  
80 SWAN WAY, ROOM 200  
OAKLAND, CALIFORNIA 94621

Prepared by  
EXCEL TRANS, INC.  
P.O. BOX 866  
290 WEST CHANNEL ROAD  
BENICIA, CALIFORNIA 94510-0866

NOVEMBER 1, 1992

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**FINAL CLOSURE REPORT  
OF THE  
CHROMEX PLATING FACILITY**

1400 PARK AVENUE  
EMERYVILLE, CALIFORNIA 94608-0445  
(510) 652-5900

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**1 INTRODUCTION**

The Chromex plating facility was a hard chrome plating shop located at 1400 Park Avenue, Emeryville, California. An area, vicinity, and site map of the Chromex facility are located in Appendix A. In January 1991 Chromex ceased all chrome plating operations and contracted Excel Trans, Inc. to perform a complete plant closure and facility decommissioning.

Excel Trans prepared and submitted to the Alameda County Health Agency (ACHA) on April 5, 1991 the "Technical Proposal and Workplan for Chromex" (hereafter called workplan) for the closure. Documented in the May 22, 1991 ACHA amendment, ACHA gave verbal approval of the workplan, and Excel Trans began closure activities on April 22, 1991. On April 17, 1992, Excel Trans submitted to ACHA a second amendment which outlined additional work at the site. The additional work commenced on June 19, 1992 and included demolition of the structure and vault. All closure activities at the site have been performed according to the ACHA approved workplan and amendments, and are documented in this report.

**2 PROJECT OVERVIEW**

The Chromex closure was a complete facility decommissioning and closure. Closure included the following activities:

- removal and disposal of tank contents
- removal and decontamination of equipment
- removal and/or decontamination of structural surfaces
- removal of concrete vault
- sampling of decontaminated equipment and surfaces for residue levels

The removal and disposal of tank contents was performed according to all applicable local, state, and federal regulations. Tank contents were transferred to D.O.T. containers, loaded onto registered hazardous waste haulers, and disposed at an EPA permitted treatment facility. After disposal of tank contents, workers commenced decontaminating equipment.

Equipment was washed with high pressure water, field tested for contaminant residue levels, and sorted for proper disposal. Disposition of decontaminated equipment included both nonhazardous and hazardous disposal.

During equipment cleaning, workers began decontaminating the concrete vault, steel structure, and building surfaces. However, cleaning the structure did not bring contaminant residue levels below the specified target limits. As a result, Excel Trans submitted an amendment to ACHA on April 17, 1992 which outlined the necessary steps to demolish the building structure and concrete vault. ACHA approved the amendment, and demolition of the vault began on April 29, 1992.

At present, all Chromex equipment, piping, structural supports, siding, and roofing have been transported from the site and disposed of according to all applicable local, state, and federal regulations. Only two structural surfaces remain at the site: the southern brick wall and 2/3 of the grade-level concrete floor. Analysis of samples of the washed brick wall confirm that the wall was decontaminated to acceptable residue levels (Appendix G). Further, results of a subsurface soil investigation performed in October 1992 will be used to assess the status of the grade-level concrete flooring.

The following sections of this report present details and documentation of closure activities at the site.

### **3 OVERVIEW OF SAMPLING, TESTING, AND DISPOSITION OF WASTE**

Throughout the decontamination and dismantling process, waste was categorized as hazardous or nonhazardous and was accumulated and handled accordingly. Categorizing waste was accomplished by testing residue levels of representative samples to confirm that approved cleaning levels had been achieved.

Testing of samples included both field testing at the site and analyses at a California DHS certified laboratory. Field testing was limited to test strips for pH, chromium, and oxidizer characteristic. Certified chemical laboratory analysis of grab, rinse, and composite samples were tested for metals and pH using EPA test methods.

Testing of residue levels was used as a tool to categorize decontaminated equipment as either hazardous or nonhazardous waste. Both field and analytical tests results were used to classify waste. Residual levels for pH, chrome, and oxidizer characteristic and the corresponding waste category are outlined in Table I.

TABLE I  
CRITERIA FOR CLASSIFICATION

TEST RESULTS	CLASSIFICATION
chrome: < 2ppm pH: 5 - 10 oxidizer: negative	Target residue levels for cleaned structural surfaces. Acceptable to leave at the site.
chrome: < 5 ppm ph: 5 - 10 oxidizer: negative	Nonhazardous waste for cleaned structural surfaces.
chrome: $\geq$ 5ppm	Hazardous waste for structural surfaces.

Once waste was classified, it was handled and disposed of according to all applicable local, state, and federal regulations. For example, structural surfaces that met the acceptable residue level of <2ppm chrome were left at the site. In addition, waste that was classified as nonhazardous was disposed of at Class III landfill, wood recycling, or metal reclamation facility. Waste that was classified as hazardous waste was sent to EPA permitted disposal facilities.

Moreover, the disposition of hazardous waste defined as organic and inorganic debris was disposed of at Envirosafe Services of Idaho under the EPA national capacity variance for Third Third debris (55 FR 22556, June 1, 1990 and 55 FR 22650, June 1, 1991).

Documentation of hazardous and nonhazardous waste disposal is located in Appendix C and D respectively. Documentation of the disposal of waste includes the following:

- manifests
- metal reclamation receipts
- wood recycling receipts
- scavenger receipts

A list of disposal facilities and their descriptions is outlined in Table II, page 4.

TABLE II

## HAZARDOUS &amp; NONHAZARDOUS DISPOSAL FACILITIES

DISPOSAL FACILITY	FACILITY DESCRIPTION
Norris Environmental Services 5215 So. Boyle Avenue Los Angeles, CA 90058	EPA permitted treatment facility for liquids  EPA ID Number CAD097030993
US Ecology Highway 95 Beatty, NV 29003	EPA permitted Class I landfill  EPA ID Number NVT330010000
Envirosafe Services of Idaho 10.5 miles Northwest of Grandview Missile Base Road Grandview, ID 83624	EPA permitted Class I landfill  EPA ID Number IDD073114654
Aptus 11600 North Aptus Road Aragonite, UT 04029	EPA permitted incinerator  EPA ID Number UTD981552177
Forward Landfill 9999 So. Austin Road Stockton, CA 95215	California Permitted Class III landfill  CAL EPA ID Number CAD990794133
Sharon Metal San Jose, CA	Scrap recycler for metal reclamation
Oakland Scavenger / Davis Street Transfer Station / Altamont Landfill 2000 Embarcadero, #101 Oakland, CA 94606	Local Class III landfill
Major Salvage Company 3237 Fernside Boulevard Alameda, CA 94501	Wood recyclers



#### **4 SITE PREPARATION**

Prior to the commencement of all work at the Chromex facility, the site was prepared for environmental remediation activities. Site preparation included training employees in project safety procedures, securing the site, and building a contamination reduction zone (CRZ) and temporary berm.

Employee training included hazardous waste worker training and site specific safety training. Excel Trans' employees received 40-hour OSHA training for hazardous waste workers (29 CFR 1910.120) and one hour of safety instructions specific to health and safety concerns at the Chromex facility. Site specific training included instruction in chemical and physical hazards, personal protective equipment, respirator training, hazard mitigation, and general safe work practices. In addition, the Site Safety Officer instructed employees on the routes to the nearest medical clinic and hospital.

After the site safety meeting was given, and before closure work activities began, Excel Trans' employees secured the Chromex site with a chain-link temporary fence. Installation of the fence restricted site access and served as a security measure for on-site storage of remediation equipment.

After the site was secured, an electrician locked-out the power supply, and Excel Trans workers constructed the CRZ and temporary berm. The CRZ was a temporary structure with separate personal protective equipment, shower/decontamination, and clean locker rooms. Site personnel were required to enter and exit through the CRZ.

The temporary berm was constructed simultaneously with the construction of the CRZ. The temporary leak proof berm enclosed the entire inside perimeter of the plating shop. The purpose of the berm was to collect and contain excess rinsate from decontamination of the equipment, piping, and surfaces.

Once the site was prepared for work activities, the workers mobilized equipment and began work activities as described in the workplan and amendments.

#### **5 REMOVAL AND DISPOSAL OF TANK CONTENTS**

Prior to closure, the Chromex facility contained eight aboveground tanks which contained plating, etching, and stripping solutions. Table III lists the volume, construction material, and contents of all eight tanks.

TABLE III

## VOLUME, CONSTRUCTION MATERIAL, &amp; CONTENTS OF TANKS

VOLUME (Gallons)	CONSTRUCTION MATERIAL	CONTENTS
3600 Gallons	Steel	Chrome Plating Solution
3200	Steel	Chrome Plating Solution
3200	Steel	Chrome Plating Solution
2800	Steel	Chrome Plating Solution
750	Polyethylene	20% Sodium Hydroxide
120	Polyethylene	20% Hydrochloric Acid
100	Polyethylene	20% Sulfuric Acid
60	Polyethylene	20% Hydrochloric Acid

TABLE IV

MANIFESTS AND SHIPPING DATES FOR TRANSPORT OF TANK CONTENTS  
AND RINSATE

SHIPPING DATE	MANIFEST No.	DESCRIPTION	QUANTITY (GALLONS)
April 1, 1991	89887237	Rinsate	3,800
April 5, 1991	89887229	Chrome plating solution	4,200
April 8, 1991	89924867	Chrome plating solution	4,000
April 24, 1991	89924866	Chrome plating solution	1,000
May 29, 1991	90328817	Stripping solution	880
June 9, 1991	90328916	Chrome plating solution	330
July 12, 1991	90328987	Rinsate	4000
May 5, 1992	91716485	Rinsate	550

Beginning in April 1991, all plating, etching, and stripping solutions were pumped from the above listed tanks into vacuum trucks and were transported to Norris Environmental Services. In addition to the tank contents, rinsate contaminated with chromium which was generated during decontamination of equipment was also sent to Norris for disposal. Prior to transport, all containers were packaged, labeled, and handled according to all applicable local, state, and federal regulations. In addition, all loads were shipped on a California hazardous waste manifest as required by federal and state regulations. A registered hazardous waste hauler, Excel Trans, transported the tank contents to Norris. Table IV lists the manifests and shipping dates for shipment of tank contents and rinsate to Norris. Copies of all manifests are located in Appendix C.

## **6 REMOVAL AND DECONTAMINATION OF PROCESS AND RELATED EQUIPMENT**

Process and related equipment at the site was removed and decontaminated prior to disposal. Equipment at the site consisted of the following:

- process and electrical piping
- fume scrubber
- rectifiers, boilers, heat exchanger, overhead crane
- polyethylene tanks
- steel tanks with rubber liners

Disposal methods for decontaminated equipment included metal reclamation, Class III landfill, and Class I landfill. Except for the rectifiers, equipment was not remarketed.

Metal piping and other metal equipment that was amenable to decontamination was cut into sections and cleaned with a high pressure steam washer. As discussed in Section 5, all wash water from metal decontamination was collected and stored on site for disposal at Norris Environmental Services. Final rinse water from decontamination was field tested for pH, chromium, and oxidizer characteristic. After field tests were performed on the final rinse water, decontaminated metallic items that met acceptable residue levels (Table I, page 3) were sent to metal reclamation for disposal. Typically, copper piping was cleaned to less than 5 ppm (Appendix E) by pressure washing, and was sent to metal reclamation. Items that were decontaminated but exceeded 5 ppm chrome (e.g.: the fume scrubber and heat exchanger) were placed in a bin for disposal at EnviroSafe Services of Idaho. Nonmetallic equipment, such as polyethylene tanks and rubber tank liners, were placed directly in bins for transportation and disposal at EnviroSafe Services of Idaho. Manifests documenting hazardous waste disposal are located in Appendix C.

## **7 DECONTAMINATION AND REMOVAL OF STRUCTURAL SURFACES**

The plating room was a steel frame structure with wood siding and roofing. The north, east, and west sides of the structure were wood. The south side of the structure was a brick and glass

wall. In order to preserve the structure for later use, attempts were made to decontaminate structural surfaces in-place. Except for the southern brick wall, decontamination proved ineffective.

A pilot study for in-place decontamination confirmed that washing wood surfaces would be ineffective in reducing the chrome concentration to acceptable residue levels. For example, analysis (EPA method 1311 and 6010) of unwashed and washed wood from a pilot study showed a chrome concentration of 1,740 ppm and 121 ppm respectively (Appendix F). Thus, the siding was disposed of as hazardous waste at Envirosafe Services of Idaho.

Roofing material was removed from the structure and representative samples were field tested for residue levels (Appendix E). Roofing was found to meet acceptable residue levels and was categorized as nonhazardous. Roofing material was placed in bins for disposal to a Class III landfill and wood recycling facility. Documentation for disposal of roofing material by Oakland Scavenger is located in Appendix D.

The steel I-beams, crane, cross beams, and channel iron were removed to complete the demolition of the structure. Once removed, steel and iron pieces were decontaminated with high pressure water and sorted for disposal. Steel and iron that was below 5ppm chrome was sent to Sharon Metals for metal reclamation. Metal that field tested at 5ppm chrome or higher (Appendix E) was placed in the hazardous waste bin for disposal at Envirosafe Services of Idaho.

The southern brick and glass wall which adjoined the Charles Lowe manufacturing area was successfully decontaminated with high pressure water and was left in place. All rinsate was collected on site and disposed of according to regulations. Certificates of analysis documenting that the wall was cleaned to less than 2 ppm chrome are located in Appendix G.

## **8 INSPECTION OF FLOORS AND VAULT FOR CRACKS**

After equipment was removed, the concrete floor and vault were inspected for cracks. The inspection revealed shallow surface cracks in the grade level and vault floors. Subsequently, surficial soil samples were taken at grade level. Complete results of the analysis, borehole locations, and chain-of-custody have been submitted to ACHA in the "Workplan for Initial Subsurface Investigation", July 24, 1992.

As a result of the surficial soil sampling and analysis, a subsurface investigation was completed in November of 1992 (see "Workplan for Initial Subsurface Investigation" submitted to ACHA on July 24, 1992). A final report documenting the results of the subsurface soil investigation was prepared for Charles Lowe for submittal to ACHA on November 4, 1992.

## **9 REMOVAL OF CONCRETE SURFACES AND THE CONCRETE VAULT**

The closure workplan submitted to ACHA specified decontamination of the concrete floor and vault. However, attempts to decontaminate the concrete surfaces proved ineffective. Excel Trans submitted an amendment to remove the vault and concrete surfaces.

Concrete surfaces were not amenable to chemical cleaning. For example, analysis performed after chemical cleaning showed a chrome concentration of 7,200 mg/kg in a concrete vault wall sample (Appendix H). This analysis confirmed that chemical washing was inappropriate, and the original workplan was amended and submitted to ACHA on April 17, 1992.

After approval of the amendment by ACHA, Tank Excavators, Inc. was subcontracted to shore and excavate the vault. Tank Excavators applied for and received City of Emeryville excavation permit number B4301-492 on April 14, 1992. Prior to demolition, Tank Excavator shored the vault with sheetpile. During shoring, approximately 40 yd<sup>3</sup> of soil was excavated. The soil pile was tested for California 17 metals and Volatile Organics by approved EPA methods at a DHS certified laboratory. Analysis of the soil, which was submitted to ACHA in the subsurface investigation workplan, indicated that the soil was neither a state or federally regulated waste. At present, soil has been accepted and assigned approval number 92-245 at Forward Landfill, a Class III landfill. A bill of lading documenting disposal will be submitted to ACHA as soon as the soil is transported to Forward.

After shoring was completed, the entire concrete vault was excavated and sent to EnviroSAFE Services of Idaho for disposal. In addition to the excavation of the vault, a portion of the concrete floor surrounding the vault was also excavated and sent to Class I landfill. Manifests documenting disposal are located in Appendix C.

## 10 PRESENT STATE AND FUTURE USE OF SITE

At the present time, the entire building structure has been demolished and approximately 30% of the concrete floor has been removed to expose native soil. In addition, a 10 ft deep excavation exists in the location of the former vault. The vault and soil were sampled in October 1992.

A preliminary subsurface investigation of the vault, soil, and groundwater was undertaken at the site on October 1, 1992. A summary of the findings were submitted to ACHA on November 4, 1992. As part of the summary, Excel Trans recommended that the soil in the vault be immediately excavated below the water, and that the excavated hole be refilled with gravel after analysis shows that soil chrome concentrations have dropped below a level of regulatory concern. ACHA has given verbal approval to the recommendations. Work will begin as soon as possible.

Once the pit has been filled, Charles Lowe intends to use the former Chromex site as an outdoor uncovered storage area for large equipment.

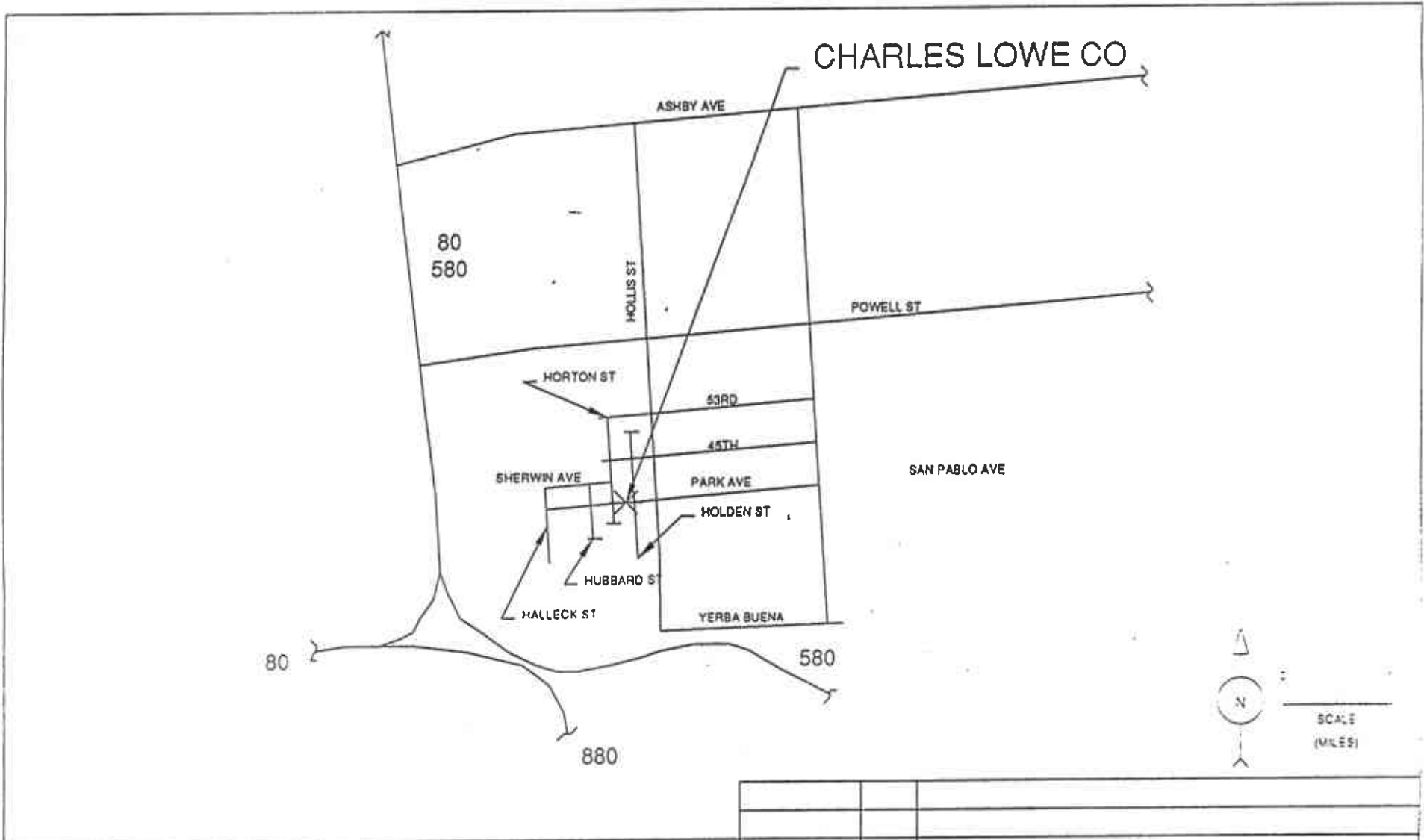


SAN FRANCISCO BAY AREA/ EMERYVILLE

CHARLES LOWE COMPANY

1400 PARK AVE

EMERYVILLE, CA 94608



CHARLES LOWE CO

80  
580

ASHBY AVE

HOLLIS ST

POWELL ST

HORTON ST

53RD

45TH

SHERWIN AVE

PARK AVE

SAN PABLO AVE

HOLDEN ST

HUBBARD ST

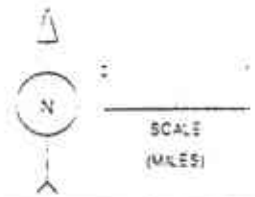
HALLECK ST

YERBA BUENA

80

580

880



AREA LAYOUT

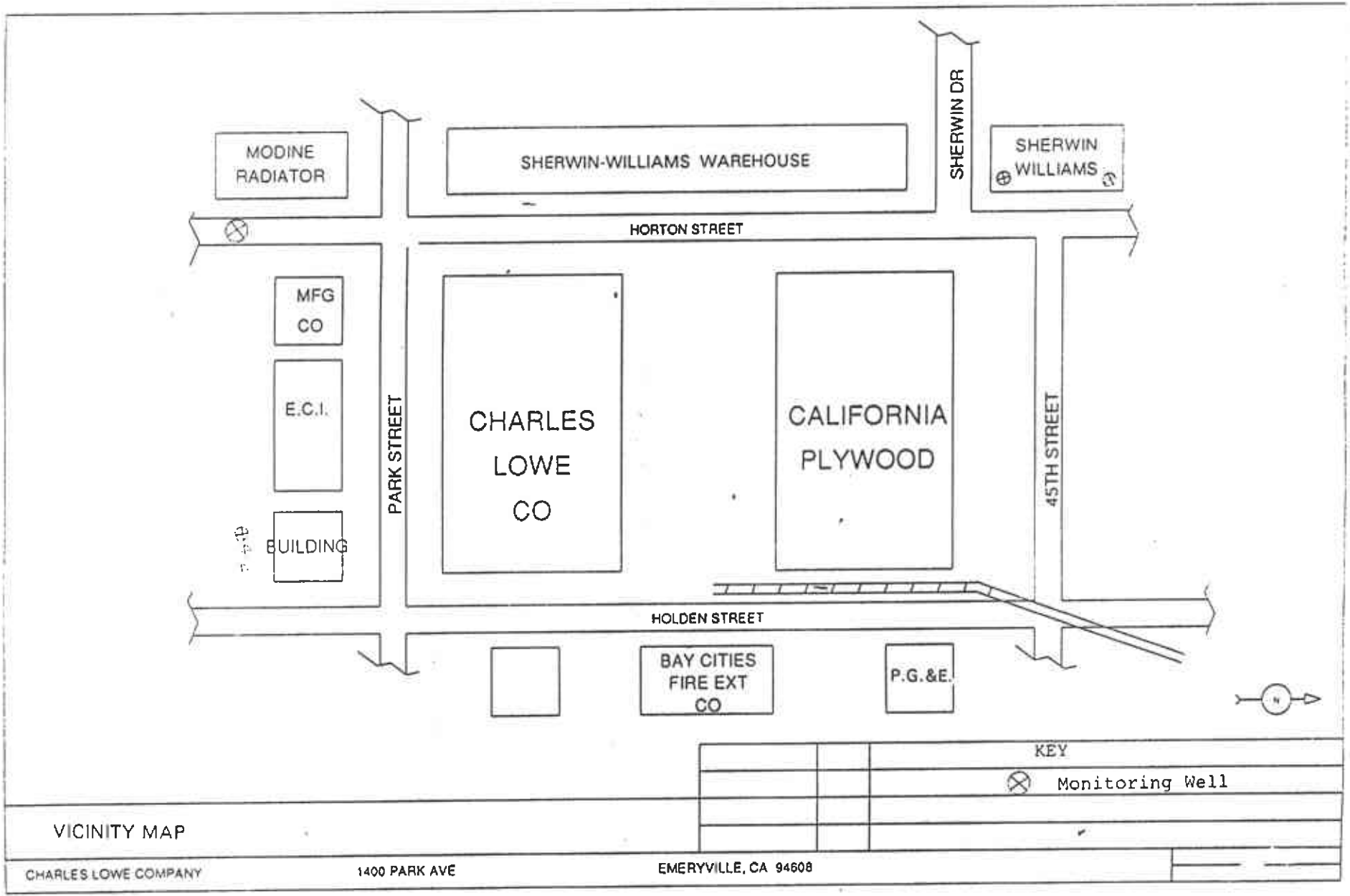
DATE	LTR	DESCRIPTION

CHARLES LOWE COMPANY

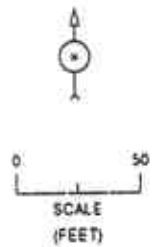
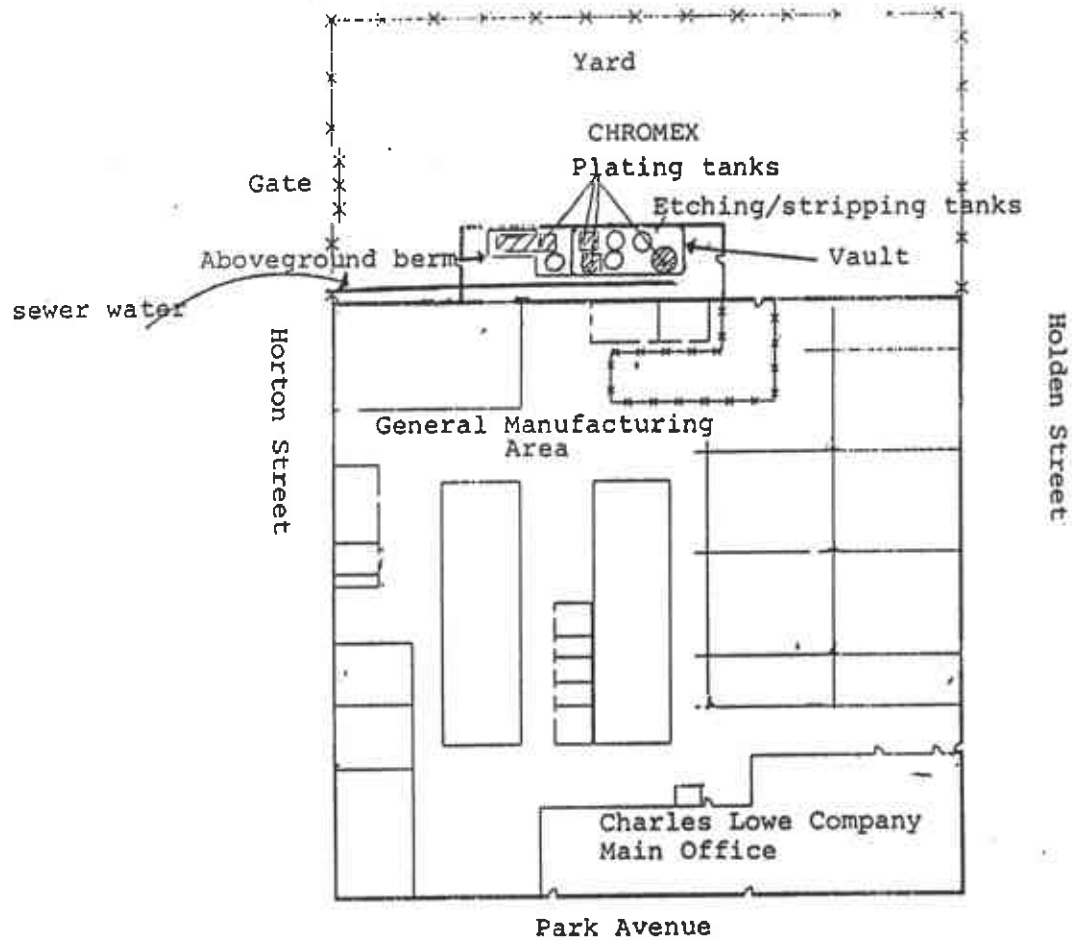
1400 PARK AVE

EMERYVILLE, CA 94608

(510) 652-5900








SITE MAP

W. H. E. S. LOWE COMPANY

1400 PARK AVE

EMERYVILLE, CA 94608

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ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

MAY 27, 1991

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)Mr. Fred Schappert  
Charles Lowe Company  
1400 Park Avenue  
Emeryville, CA 94608RE: Workplan For Chromex, Closure of Plating Facility  
1400 Park Avenue, Emeryville, CA 94608

Dear Mr. Schappert:

The Alameda County Department of Environmental Health, Hazardous Materials Division has received and reviewed the workplan for the closure of the plating facility at the referenced site, as submitted by Excel Trans under cover letter dated April 5, 1991. Through telephone conversation with Mr. David Nielsen of Excel Trans, the closure plan was given a verbal approval and is acceptable subject to the following conditions:

- \* All other Federal, state or local statutes, regulations, ordinances, requirements or limitations which are applicable to your project must be followed.
- \* The Health and Safety Plan consistent with applicable requirements of 29 CFR 1910.120 must be followed and a complete copy must be available at the site during the closure operation.
- \* The on-site storage of any hazardous waste generated by the decontamination activities must not exceed 90 days.
- \* Disposal of waste generated in the closure operation must be supported by analysis by a state certified lab.
- \* Field tests are acceptable as a screening tool but laboratory analysis by a state certified lab are required for verification of the extent of decontamination.
- \* A time schedule for the entire closure activities must be submitted to this department.
- \* A written notification for any changes or deviation in the closure workplan must be submitted and approved by this department.

MAY 28 '91 13:28

4156525387 PAGE.001

**SUMMARY OF MANIFESTS DOCUMENTING DISPOSAL**

DATE SHIPPED	DISPOSAL FACILITY	MANIFEST NUMBER	DATE RECEIVED
04/01/91	Norris Environmental	89887237	04/03/91
04/05/91	Norris Environmental	89887229	04/06/91
04/08/91	Norris Environmental	89924867	04/09/91
04/24/91	Norris Environmental	89924866	04/25/91
05/29/91	Norris Environemtnal	90328817	05/30/91
06/20/91	Norris Environmental	90328916	06/24/91
06/26/91	Envirosafe Services of Idaho	90328909	06/27/91
07/09/91	Envirosafe Services of Idaho	90328931	07/10/91
07/12/91	Norris Environmental Services	90328987	07/13/91
07/29/91	US Ecology	89887200	08/01/91
08/27/91	Envirosafe Services of Idaho	90329052	08/28/91
03/18/92/	Aptus, Inc.	91717669	03/24/92
03/26/92	Norris Environmental Services	91718071	03/26/92
03/31/92	Envirosafe Services of Idaho	91718022	04/02/92
04/29/92	Envirosafe Services of Idaho	91718026	04/30/92
05/01/92	Norris Environmental Services	91716488	05/05/92
05/04/92	Envirosafe Services of Idaho	91718094	05/05/92
05/05/92	Envirosafe Services of Idaho	91718029	05/06/92
05/05/92	Envirosafe Services of Idaho	91718092	05/07/92
05/05/92	Envirosafe Services of Idaho	91718030	05/06/92
05/07/92	Envirosafe Services of Idaho	91716474	05/07/92
05/06/92	Envirosafe Services of Idaho	91718086	05/07/92
05/06/92	Envirosafe Services of Idaho	91716475	05/07/92
05/06/92	Envirosafe Services of Idaho	91718089	05/07/92
05/06/92	Envirosafe Services of Idaho	91718090	05/07/92
05/05/92	Envirosafe Services of Idaho	91716473	05/07/92

Job 031010

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **CAD 98157B22300001** Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**Chromex Division - Charles Lowe Company**  
**1400 Park Ave., Emeryville CA 94608**

A. State-Manifest Document Number  
**89887237**

B. State Generator's ID  
**HAHQ136F011216117**

4. Generator's Phone **415 8653-0792**

C. State Transporter's ID **117733**

D. Transporter's Phone **(707)-745-8907**

5. Transporter 1 Company Name **Excel Trans Inc.** 6. US EPA ID Number **CAD 98111R21613**

E. State Transporter's ID

F. Transporter's Phone

7. Transporter 2 Company Name 8. US EPA ID Number

G. State Facility's ID

H. Facility's Phone **(213) 588-7111**

9. Designated Facility Name and Site Address **Norris Environmental Services** 10. US EPA ID Number  
**5215 S. Boyle Avenue**  
**Los Angeles, CA 90058** **CAD 09710309193**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	No.	Type			
a. <b>XQ, Hazardous Waste Liquid N.O.S.</b> <b>(chrome) OSM-E NA 9189 DOT-E-8706 4 UNIT</b>	<b>4</b>	<b>UNIT</b>	<b>3900</b>	<b>G</b>	State <b>723</b> EPA/Other <b>D007</b>
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above  
**a) Water with 3900 ppm chrome**

K. Handling Codes for Wastes Listed Above  
a. b. c. d.

15. Special Handling Instructions and Additional Information  
**Use appropriate safety gear**

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Steve A Skade / General Manager** Signature *Steve Skade* Month Day Year **8 11 1991**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name **Richard D. Skade** Signature *Richard D. Skade* Month Day Year **8 11 1991**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name Signature Month Day Year

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.  
Printed/Typed Name **Excel Trans Inc** Signature *[Signature]* Month Day Year **8 11 1991**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA161019171013106013	Manifest Document No. 911011K	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address CHROME DIVISION CHARLES KROME CO. 1400 PACA AVENUE MCKEVITT, CA 94609		6. US EPA ID Number		A. State Manifest Document Number <b>89887229</b>	B. State Generator's ID H13H113161-1002607
4. Generator's Phone (415) 653-0792	5. Transporter 1 Company Name EXCEL TRANS, INC.	6. US EPA ID Number CA161019171013106013		C. State Transporter's ID 117788	D. Transporter's Phone (707) 745-8907
7. Transporter 2 Company Name	8. US EPA ID Number	9. Designated Facility Name and Site Address NORRIS ENVIRONMENTAL SERVICES 5215 SO. BOYLE AVENUE LOS ANGELES, CA 90056		10. US EPA ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
a. <b>KG, HAZARDOUS WASTE LIQUID D.O.S., CHROME (KROME) HA 9189 DOT 2-8700</b>		0	082100	G	State 723 EPA/Other D007
b.					State
c.					EPA/Other
d.					State
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
A. <b>CHROME PLATING SOLUTION 46 oz/GA CHROMIUM COPPER 3692 PPM PCN #E1803 CRO</b>					
15. Special Handling Instructions and Additional Information NEAR APPROPRIATE SAFETY GEAR DOT 2-8700 CONTACT 415-655-8433 STYL: A SHADE					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Steve H. Skude		Signature <i>Steve H. Skude</i>		Month Day Year 12/10/1991	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Charles J. Poston		Signature <i>Charles J. Poston</i>		Month Day Year 12/10/1991	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
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.					
Printed/Typed Name E. J. ...		Signature <i>E. J. ...</i>		Month Day Year 12/10/1991	

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Do Not Write Below This Line

GREEN: HAULER RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89924867  
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR  
TRANSPORTER  
FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA00815732230711</b>	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>CHROMEX DIVISION - CHARLES LOWE COMPANY 1400 PARK AVE. EMERYVILLE CA. 94608</b>				A. State Manifest Document Number <b>89924867</b>		
4. Generator's Phone (415) <b>655-0792</b>				B. State Generator's ID <b>H AHQB67012617</b>		
5. Transporter 1 Company Name <b>EXCEL TRANS INC.</b>		6. US EPA ID Number <b>CA0081982663</b>		C. State Transporter's ID <b>117733</b>		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone <b>(707)-745-8907</b>		
9. Designated Facility Name and Site Address <b>NORRIS ENVIRONMENTAL SERVICES 5215 S. BOYLE AVENUE LOS ANGELES CA. 90058</b>				E. State Transporter's ID		
10. US EPA ID Number <b>FA008493993</b>				F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <b>ORM-E NA 9189</b>				12. Containers No. Type <b>091TTU4000 G</b>	13. Total Quantity	14. Unit Wt/Vol <b>G</b>
J. Additional Descriptions for Materials Listed Above <b>A. HARD CHROME PLATING SOLUTION PCN # E1803-CRO DOT-E-8706 CHROMIUM 4693 / GA. COPPER 3692PPM</b>				L Waste No. State <b>723</b>		
				EPA/Other <b>0007</b>		
				State		
				EPA/Other		
				State		
K. Handling Codes for Wastes Listed Above				State		
15. Special Handling Instructions and Additional Information <b>WEAR APPROPRIATE SAFETY GEAR</b>				<b>CONTACT STEVE SLATE 415-255-2433 415-652-5900</b>		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <b>ROBERT M TOLU JR.</b>		Signature <i>[Signature]</i>		Month Day Year <b>1 18 11</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <b>R. LOU K. ADLER</b>		Signature <i>[Signature]</i>		Month Day Year <b>1 18 11</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
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						
Printed/Typed Name <b>BI TIN NEEDSCU</b>		Signature <i>[Signature]</i>		Month Day Year <b>1 19 09 11</b>		

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA009RV157BWR230V10P5		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CHROMEX Division - CHARLES LOWE COMPANY 1400 PARK AVE. EMERYVILLE CA. 94602						A. State Manifest Document Number 89924866							
4. Generator's Phone 415-653-0792						B. State Generator's ID H14H036-0V126117							
5. Transporter 1 Company Name EXCEL TRANS INC. CA009RVPR2663			6. US EPA ID Number			C. State Transporter's ID 1121		D. Transporter's Phone (707) 745-8907					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address NORRIS ENVIRONMENTAL SERVICES 5215 S. BOYLE AVENUE LOS ANGELES CA. 90058 CA009V07070993						10. US EPA ID Number							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) *RQ HAZARDOUS WASTE LIQUID SOL ORIME NA9189						12. Containers No. Type 001 TT 1000G		13. Total Quantity		14. Unit Wt/Vol		L. Waste No. State 723 EPA/Other D007	
J. Additional Descriptions for Materials Listed Above A. HARD CHROME PLATING SOLUTION PCN # E1803 - CRD DOT. E-8706 CHROMIUM 46% GA. COPPER 3692 PPM						K. Handling Codes for Wastes Listed Above a. b. c. d.							
15. Special Handling Instructions and Additional Information WEAR APPROPRIATE SAFETY GEAR ERG # 31 CONTACT STEVE BLADE 415-255-8433 415-652-5700													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Steve A. Blade				Signature [Signature]		Month Day Year 04/24/91							
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Richard K. Adkins				Signature [Signature]		Month Day Year 04/24/91							
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature		Month Day Year							
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													
Printed/Typed Name ANDREW J. A.				Signature		Month Day Year 11/25/91							

9924866  
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-962-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY

90328817  
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-6695. WITHIN CALIFORNIA CALL 1-800-952-6666  
 GENERATOR  
 TRANSPORTER  
 FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		J. Generator's US EPA ID No. CA10918115732A32381117		Manifest Document No. 2381117		2. Page 1 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CHROMEX DIVISION/CHARLES LOWE CO 1400 PARK AVE LIMEVILLE CA Generator's Phone (415) 652-0792						A. State Manifest Document Number 90328817							
6. Transporter 1 Company Name EXCEL TRANS INC.						6. US EPA ID Number CA109181198266P		C. State Transporter's ID 105532					
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 707-745-8707					
9. Designated Facility Name and Site Address NORRIS ENVIRONMENTAL 5215 SOUTH BOYLE AVE. LOS ANGELES, CA 90058						10. US EPA ID Number CA10917030993		G. State Facility's ID 213					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) "R.O." Hazardous Waste Liquid, n.o.s., ORM-E, NA9189 (Chromium Sulfuric Acid) "R.O." Hazardous Waste Liquid, n.o.s., ORM-E, NA9189 (Chromium Sulfuric Acid) "R.O." Hazardous Waste Liquid, n.o.s., ORM-E, NA9189 (Chromium) d.						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
						407		10385 G		G		State 723 EPA/Other 0007	
						106		00330 G		G		State 723 EPA/Other 0007	
						103		00115 G		G		State 723 EPA/Other 0007	
												State EPA/Other	
V. Additional Descriptions for Materials Listed Above 11a) Profile # E1803 CR 4 11b) Profile # E1803 CR 3 11c) Profile # E1803 CR 2						K. Handling Codes for Wastes Listed Above a. b. c. d.							
15. Special Handling Instructions and Additional Information In case of emergency contact Fred Meyers at (415) 652-0792 OR S. Slade at (415) 255-8433													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Steve A. Slade				Signature <i>[Signature]</i>				Month Day Year 11/21/11					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name JERRY BUTLER				Signature <i>[Signature]</i>				Month Day Year 11/21/11					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
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.													
Printed/Typed Name BI TIN VELASCO				Signature				Month Day Year 11/21/11					



Please print or type. Form designed for use on elite (12-pitch typewriter).

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA09181157320321819116		Manifest Document No. 1 of 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CHROMEX 1400 PARK AVE. EMERYVILLE, CA 94608 4. Generator's Phone (415) 653-0792						A. State Manifest Document Number 90328916							
5. Transporter 1 Company Name EXCEL TRANS. INC.						B. State Generator's ID H11HQB6-10112617							
6. US EPA ID Number CA0918111918126163						C. State Transporter's ID 0211120							
7. Transporter 2 Company Name						D. Transporter's Phone 709-545-8907							
8. US EPA ID Number						E. State Transporter's ID							
9. Designated Facility Name and Site Address NORRIS ENVIRONMENTAL SERVICES 5215 SOUTH BOYLE AVENUE LOS ANGELES, CA 90058						F. Transporter's Phone							
10. US EPA ID Number CA091710310993						G. State Facility's ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) R.O. (1) HAZARDOUS WASTE, LIQUID, NOS CEME, NA9189 (DC07)						12. Containers No. Type 0016 DK 1 B310 G		13. Total Quantity 13310 G		14. Unit Wt/Vol		Waste No. State: 723 EPA/Other: 8007	
15. Special Handling Instructions and Additional Information WEAR PROTECTIVE CLOTHING IN CASE OF AN EMERGENCY, PLEASE CONTACT STEVE SLADE (415) 653-0792 OR (415) 255-8433						K. Handling Codes for Wastes Listed Above							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Steve A Slade				Signature <i>Steve A Slade</i>		Month Day Year 06 11 99							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name MICHAEL PERKINS		Signature <i>Michael Perkins</i>		Month Day Year 12 12 99					
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year					
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.				Printed/Typed Name BI TIN VE LKCO		Signature <i>Bi Tin Ve Lkco</i>		Month Day Year 10 26 99					

90328916  
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-852-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY

Do Not Write Below This Line

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TRANSPORTER

FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAD9811573223612617</b>		Manifest Document No. <b>12617</b>		2. Page 1 <b>1 of 1</b>		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>CHROMEX DIVISION / CHARLES LOWE CO. 1400 PARK AVE. EMERYVILLE, CA 94608</b>				A. State Manifest Document Number <b>90328909</b>		B. State Generator's ID <b>HAHQ36-012617</b>							
4. Generator's Phone <b>(415) 653-0792</b>				C. State Transporter's ID <b>111133</b>		D. Transporter's Phone <b>(707) 745-8907</b>							
5. Transporter 1 Company Name <b>EXCEL TRANS, INC.</b>				6. US EPA ID Number <b>CAD98119182663</b>		E. State Transporter's ID							
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone							
9. Designated Facility Name and Site Address <b>ENVIROSAFE SERVICES OF IDAHO, INC. 10.5 MILES NORTHWEST HIGHWAY 48 MISSILE BASE ROAD GRANDVIEW, ID 83624</b>				10. US EPA ID Number <b>IDD0731114654</b>		G. State Facility's ID							
						H. Facility's Phone <b>(208) 837-2275</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
"R.O." HAZARDOUS WASTE, SOLID, NO. 3 ORM-E, (CHROMIUM CONTAMINATED METAL)						102 CM		35		Y		State 181	
b.												EPA/Other DOE7	
c.												State	
d.												EPA/Other	
J. Additional Descriptions for Materials Listed Above <b>PCN # 12241002</b>						K. Handling Codes for Wastes Listed Above <b>03</b>							
15. Special Handling Instructions and Additional Information <b>WASTE APPROPRIATE SAYS TO GEAR ERS #31</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>Steve A. Slade</b>				Signature <i>Steve A. Slade</i>				Month Day Year <b>062691</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name <b>RICK MCKOWN</b>				Signature <i>Rick McKown</i>				Month Day Year <b>062691</b>					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
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.													
Printed/Typed Name <b>NANCY MADARIETA</b>				Signature <i>Nancy Madarieta</i>				Month Day Year <b>062791</b>					

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IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8800 WITHIN 24 HOURS.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CADAB115732232KRB11		Manifest Document No. 2KRB11		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address CHROMEX 1400 PARK AVE EMERYVILLE, CA Generator's Phone (415) 653-0792						A. State Manifest Document Number 90328931		B. State Generator's ID HAHOR6D12611A	
5. Transporter 1 Company Name EXCEL TRANS						6. US EPA ID Number CADAB11AB2663		C. State Transporter's ID 08163	
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 707 745 8907	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF IDAHO, INC. 10 1/2 MILES NW GRANDVIEW MISSILE BASE ROAD GRANDVIEW, IDAHO 83624						10. US EPA ID Number 11DD07B11465H		E. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) "R.Q." (I) HAZARDOUS WASTE, SOLID NOS, ORM-E, NA9189 (D007)						12. Containers No. Type 002EM00035 Y		13. Total Quantity	
14. Unit Wt/Vol						15. Waste No. State 352 EPA/Other D007		16. State EPA/Other	
J. Additional Descriptions for Materials Listed Above 110) PGN #122 47001 Bin #247 #121N						K. Handling Codes for Wastes Listed Above 03		17. State EPA/Other	
15. Special Handling Instructions and Additional Information Wear protective clothing. In case of an emergency, please contact Steve Slade at (415) 653-0792 or (415) 255-8433									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Steve A Slade				Signature <i>Steve A Slade</i>		Month Day Year 10/17/91			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Rick McKown				Signature <i>Rick McKown</i>		Month Day Year 07/09/91			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year			
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. Printed/Typed Name NANCY MADARIEH				Signature <i>Nancy Madarieh</i>		Month Day Year 07/09/91			

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**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **CAD981157307328187**

Manifest Document No. **1 of 1**

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

**CHROME  
 1400 PARK AVE  
 EMERYVILLE CA 94608  
 4. Generator's Phone (415) 653-0792**

A. State Manifest Document Number

**90328987**

B. State Generator's ID

**H 11103 60126117**

C. State Transporter's ID

**117742**

D. Transporter's Phone

**(909) 745-8904**

5. Transporter 1 Company Name

**EXCEL TRANS**

6. US EPA ID Number

**CAD98119821663**

8. US EPA ID Number

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

**NORRIS ENVIRONMENTAL SERVICES  
 5215 SOUTH GYLE AVENUE  
 LOS ANGELES, CA 90058**

10. US EPA ID Number

**CAD007030973**

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

**a. R.O.(1) HAZARDOUS WASTE LIQUID, NOS  
 ORME, NARIZI (DOO?)**

12. Containers No. Type

**1/2 PPK TITRAGARD**

13. Total Quantity

**1/2**

14. Unit Wt/Vol

**1/2**

1. Waste No.

**723**

State

**DOO?**

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

15. Special Handling Instructions and Additional Information

**WEAR PROTECTIVE CLOTHING IN CASE OF AN EMERGENCY. PLEASE CONTACT STEVE SLADE AT (415) 653-0792 OR (415) 255-8433  
 1067 E 8706**

K. Handling Codes for Wastes Listed Above

a. b. c. d.

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Steve A Slade** Signature *Steve A Slade* Month Day Year **X 11/11/11**

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name **Charles K Payton** Signature *Charles K Payton* Month Day Year **10/12/11**

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year \_\_\_\_\_

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.  
 Printed/Typed Name **Steve Slade** Signature *Steve Slade* Month Day Year **07/13/11**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7850

RECEIVED 11/16/11 GREEN HAULER RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CAAD9K115173DRR 81701010		Manifest Document No. 81701010	2. Page 1 of /	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address CHROME 1400 PARK AVE EMERYVILLE, CA 94608 Generator's Phone 415-662-0772					A. State Manifest Document Number 89887200		
5. Transporter 1 Company Name EMERY					B. State Generator's ID H AHQB1601121117H		
7. Transporter 2 Company Name					C. State Transporter's ID 117726-1177		
9. Designated Facility Name and Site Address US ECOLOGY HILMIWAY RD, P.O. BOX 578 FRATIS, NV 89403					D. Transporter's Phone 707-745-8407		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ HAZARDOUS SUBSTANCE, SOLID N.O.S., ORN-E, NATI 25 (1177)					12. Containers No. Type		14. Unit Wt/Vol
					13. Total Quantity		1. Waste No. State 261 EPA/Other RCR-2
							State EPA/Other
							State EPA/Other
							State EPA/Other
J. Additional Descriptions for Materials Listed Above DRUM CRX-37 W/ DRUMS, P.D. 2005 4 320'S EACH S-H PERMIT # 2-1351 NVI-2-1351-78					K. Handling Codes for Wastes Listed Above a. b. c. d.		
15. Special Handling Instructions and Additional Information Handle with care... UNIFORM # CRX-37 415-662-0772							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Steve				Signature <i>[Signature]</i>		Month Day Year 01/21/91	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year 01/21/91	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
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.							
Printed/Typed Name David Tolbert				Signature <i>[Signature]</i>		Month Day Year 01/21/91	

Do Not Write Below This Line

9887200  
GENERATOR  
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's EPA ID No. <b>CA1D91157322324052</b>	Manifest Document No. <b>1</b>	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>CHROME 1400 PARK AVE CANTON, IL 61820</b>			A. State Manifest Document Number <b>90329052</b>		
4. Generator's Phone <b>415 653 0102</b>			B. State Generator's ID <b>11111111111111111111</b>		
5. Transporter 1 Company Name <b>EXCITE TRANS</b>		6. US EPA ID Number <b>CA1D91157322324052</b>	C. State Transporter's ID <b>11111111111111111111</b>		
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone <b>150381</b>		
9. Designated Facility Name and Site Address <b>EST OV. M. NW Grandview, Missile Base Road Grandview, IL 83627</b>		10. US EPA ID Number	E. State Transporter's ID <b>707 7458901</b>		
			F. Transporter's Phone		
			G. State Facility's ID		
			H. Facility's Phone		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. <b>RG Hazardous Waste, Solid, NOS, ORMU, NA9189 (CONCREMIDUR)</b>		<b>001</b>	<b>001</b>	<b>Y</b>	State <b>352</b> EPA/Other <b>0007</b>
b. <b>RG HAZARDOUS WASTE, SOLID, ORMU, NA9189</b>		<b>001</b>	<b>001</b>	<b>Y</b>	State <b>352</b> EPA/Other <b>0007</b>
c.					
d.					
J. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above		
<b>RGU # 12243001, RGU # 12243002</b>			a. <b>U</b> b. <b>U</b> c. <b>U</b> d. <b>U</b>		
15. Special Handling Instructions and Additional Information <b>Wear protective gloves, cloth ER6 #31 EMERGENCY PHONE: 415 1652-0797 OR 415 255-8433</b>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name <b>Steve</b>		Signature <i>Steve</i>		Month Day Year <b>08 27 91</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Bob McKean</i>		Month Day Year <b>08 27 91</b>	
Printed/Typed Name <b>Bob McKean</b>		Signature <i>Bob McKean</i>		Month Day Year <b>08 27 91</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space <b>11b. RG Hazardous Waste Solid, N.C.S., ORAU-E, NA9189 (0007) 3. Zip code omitted</b>					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name <b>Steve</b>		Signature <i>Steve</i>		Month Day Year <b>08 27 91</b>	

Do Not Write Below This Line

GREEN: HAULER RETAINS

DOC # B02581

See Instructions on back of page 6.

9203088

91717669  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ADPPR2573223	Manifest Document No. 03397	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Chromax 1400 Park Avenue Emeryville, CA 94609			A. State Manifest Document Number 91717669		
4. Generator's Phone 510 553-0792			B. State Generator's ID HH036012627		
5. Transporter 1 Company Name Excel/Trans, Inc.		6. US EPA ID Number AD931962663		C. State Transporter's ID 215582	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 07-745-8107	
9. Designated Facility Name and Site Address Aptus, Inc. 11600 North Aptus Road Argente, CA 94525		10. US EPA ID Number UTD961552177		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone 801-521-9040	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) --		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste Number State
a. (10) Waste Chromic Acid Solution, Corrosive Material, UN1755		0 1 D F	0 0 5 5		792
b.					EPA/Other 0007/0002
c.					State
d.					EPA/Other
e.					State
f.					EPA/Other
11. a. Profile # AP91-0559		K. Handling Codes for Wastes Listed Above			
		a.		b.	
		c.		d.	
15. Special Handling Instructions and Additional Information Wear protective clothing. In case of an emergency, contact Steve Slade at (510) 653-0792 or (415) 255-8433.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/typed Name EMMET L. TT		Signature <i>[Signature]</i>		Month Day Year 11/1/12	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month Day Year 11/8/12	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/typed Name		Signature		Month Day Year	
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.					
Printed/typed Name Dorothy B. Diamond		Signature <i>[Signature]</i>		Month Day Year 11/24/12	

DO NOT WRITE BELOW THIS LINE.

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. 8 0 0 0 1 5 7 5 5 4 2	Manifest Document No. 1 4 6 4	2. Page 1 of 4	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Chromg. 1400 Park Avenue Emeryville, CA 94608		A. State Manifest Document Number 91718071	
4. Generator's Phone (510) 652-5900		B. State Generator's ID H 0 0 0 0 6 0 0 0 6 1 7	
5. Transporter 1 Company Name Excel Trans, Inc.	6. US EPA ID Number C A P 9 8 1 9 8 2 6 6 3	C. State Transporter's ID 7 0 7 1 7 4 5 - 8 0 0 7	
7. Transporter 2 Company Name	8. US EPA ID Number 	E. State Transporter's ID	
9. Designated Facility Name and Site Address Norris Environmental Services 5212 South Boyle Avenue Los Angeles, CA 90046		F. Transporter's Phone	
10. US EPA ID Number C A P 9 9 7 0 3 0 9 9 3		G. State Facility's ID 	
		H. Facility's Phone	

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit W/Vol	1. Waste Number
	No.	Type			
a. RQ(1) Hazardous Waste Liquid, NOS, ORME, NA9189 (chromium)	0 0 1	T T 0	8 5 0 0	G	State: 723 EPA/Other: 8007
b.					State:     EPA/Other:
c.					State:     EPA/Other:
d.					State:     EPA/Other:

J. Additional Descriptions for Materials Listed Above 11.a. Profile 811803CR2	K. Handling Codes for Wastes Listed Above a.         b.         c.         d.
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15. Special Handling Instructions and Additional Information  
 Wear protective clothing. In case of an emergency, contact Steve Slade at (510) 653-0792 or (415) 255-8433.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations.  
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/typed Name Steve R. Slade	Signature <i>Steve Slade</i>	Month Day Year 01 12 19 12
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17. Transporter 1 Acknowledgement of Receipt of Materials Printed/typed Name <i>Robert Slade</i>	Signature <i>Robert Slade</i>	Month Day Year 01 12 19 12
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18. Transporter 2 Acknowledgement of Receipt of Materials Printed/typed Name	Signature	Month Day Year 
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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. Printed/typed Name Samie L. Green	Signature <i>Samie L. Green</i>	Month Day Year 03 26 12
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DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

91718071



**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **CAD900157322131**  
 Manifest Document No. **18360**

2. Page 1 of 1  
 Information in the shaded boxes is not required by Federal law.

3. Generator's Name and Mailing Address  
**Chromex**  
**1400 Park Avenue**  
**Emeryville, CA 94608**

A. State Manifest Document Number  
**91718022**

4. Generator's Phone **510 652-5900**  
 6. US EPA ID Number  
**CAD900157322131**

B. State Generator's ID  
**HAHQ36012627**

5. Transporter 1 Company Name  
**Excel Trans, Inc.**  
 8. US EPA ID Number  
**CAD981982663**

C. State Transporter's ID  
**1533**

7. Transporter 2 Company Name  
 8. US EPA ID Number  
**111111111111**

D. Transporter's Phone  
**707-745-6907**

9. Designated Facility Name and Site Address  
**Envirosafe Services of Idaho, Inc.**  
**10.5 Miles NW Grandview**  
**Musite Base Road**  
**Grandview Idaho 83634**  
 10. US EPA ID Number  
**ID00731465A1**

E. State Transporter's ID  
**111111111111**

F. Transporter's Phone  
**208-384-1500**

11. Description of Material (including proper shipping name, hazard class, and ID number)	12. Containers		13. Total Quantity	14. Unit W/Vol	15. Waste Number
	No.	Type			
RO Hazardous Waste, Solid, NOS, ORME, NA9189 (chromium)	001	CM	00020	Y	181 EPA/Other D007
RO Hazardous Waste, Solid, NOS, ORME, NA9189 (chromium)	001	CM	00020	Y	181 EPA/Other D007
					State EPA/Other
					State EPA/Other

Additional Descriptions for Materials Listed Above  
 11. **PCN12247002 (inorganic solid debris)**  
 11. **PCN12247001 (organic solid debris contaminated w ID07)**

E. Handling Codes for Wastes Listed Above  
 a **03**  
 b **03**  
 c

15. Special Handling Instructions and Additional Information  
**Near appropriate safety gear.**  
**In case of an emergency, contact Steve Slade at (509) 652-5900 or (415) 255-0411**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consent are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Steve A. Slade**  
 Signature: *Steve A. Slade*  
 Month Day Year: **013 13 11 19 22**

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name: **R. McKown**  
 Signature: *R. McKown*  
 Month Day Year: **013 13 11 19 22**

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name:  
 Signature:  
 Month Day Year:

19. Discrepancy Indication space

20. Facility Director or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
 Printed/Typed Name: **DINA REESE**  
 Signature: *Dina Reese*  
 Month Day Year: **04 10 19 22**

DO NOT WRITE BELOW THIS LINE

Green: HAULER RETURNS

91718022  
 CASE OF EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802  
 WITHEIN CALIFORNIA CALL 1-800-852-7350

91748066  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		Chromex 1400 Park Avenue Emeryville, CA 94603		A. State Manifest Document Number	91718026
4. Generator's Phone (510) 652-5900				B. State Generator's ID	1 8 5 0 0 0 0 0 0 0
5. Transporter 1 Company Name		Excal Trans, Inc.		C. State Transporter's ID	1 2 3 4 5
6. US EPA ID Number		C A D O R I B O P E 4 0		D. Transporter's Phone	707-745-8007
7. Transporter 2 Company Name		P I L L I N G T O N		E. State Transporter's ID	
8. US EPA ID Number				F. Transporter's Phone	
9. Designated Facility Name and Site Address		Envirosafe Services of Idaho, Inc. 10.5 Miles NW Grandview Missile Base Road Grandview, Idaho 83624		G. State Facility's ID	
10. US EPA ID Number		I I D I D I 0 1 7 3 1 1 1 4 6 1 5 1 4		H. Facility's Phone	208-384-1500
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit W/Vol
		No.	Type		
a. RC Hazardous Waste, Solid, NOS, ORIE NA9189 (chromium)		0,0,1	C H	0,0,0,2,0	Y
b. RC Hazardous Waste, Solid, NOS, OPME NA9189 (chromium)		0,0,1	C M	0,0,0,2,0	Y
c.					
d.					
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
11.a. PCN12247002 (Inorganic solid debris contaminated with chromium)		a.		b. 02	
11.b. PCN12247001 (Organic/Inorganic debris contaminated with chromium)		c.		d.	
15. Special Handling Instructions and Additional Information					
In case of an emergency, contact Steve Slade at (510)652-5900 or (415)255-8433. Wear gloves, tyvek & appropriate safety gear.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
Steve A. [unclear]		[Signature]		04/12/1912	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
[Signature]		[Signature]		04/12/1912	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
[Signature]		[Signature]		[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 19.					
Printed/Typed Name		Signature		Month Day Year	
SARA REUSE		[Signature]		04/12/1912	

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA121017151710121213		Manifest Document No. 1 1 2 1 4 1 5 1 9		2. Page 1 of 3		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Chromex 1600 Park Avenue Emeryville, CA 94608 4. Generator's Phone (510) 552-5900 Emergency contact: Steve Slade						A. State Manifest Document Number 91716488							
5. Transporter 1 Company Name Excel Trans., Inc.				6. US EPA ID Number CA1210171517101213		B. State Generator's ID N A H 1 2 3 1 6 1 0 1 1 2 1 6 1 1 7							
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Transporter's ID 215581							
9. Designated Facility Name and Site Address Norris Environmental Services 5215 S. Hoyle Avenue Los Angeles, CA 90056						D. Transporter's Phone (707) 745-8907							
10. US EPA ID Number C, A, D, 0, 9, 7, 0, 3, 0, 9, 9, 3						E. State Transporter's ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number State EPA/Other	
a. Hazardous Waste Liquid, N.O.S., ORM-E NA 9189 (Sodium hydroxide, chrome)						002 D, S		001.00		G		State 732 EPA/Other D007	
b. Hazardous Waste Liquid, N.O.S., ORM-E NA 9189 (Sodium hydroxide, chrome)						009 D, P		3.045.0		G		State 732 EPA/Other D007	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above a. & b.) NaOH - 0-10% Chrome - 0-1%						K. Handling Codes for Wastes Listed Above a. / b. c. / d.							
15. Special Handling Instructions and Additional Information Billing: Excel Trans address: P.O. Box 866 Benicia, CA 94510 <i>Wear gloves/goggles when handling material</i> Norris profile no.: E1203CR3													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Steve H Slade				Signature <i>[Signature]</i>				Month Day Year 05 15 1992					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Mike Falls				Signature <i>[Signature]</i>				Month Day Year 05 15 1992					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year					
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. Printed/Typed Name <i>[Signature]</i>													
Printed/Typed Name				Signature				Month Day Year 5/15/92					

DO NOT WRITE BELOW THIS LINE.

91718004  
 GENERATOR  
 TRANSPORTER  
 FACILITY  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA D 918115171312131	Manifest Document No. 1 B 10 19 14	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Chromex</b> 1400 Park Avenue, Emeryville CA 94608 4. Generator's Phone: 510 652-5000 Emergency contact: Steve Slade				A. State Manifest Document Number <b>91718094</b>		
5. Transporter 1 Company Name <b>EXCEL TRANS INC.</b>		6. US EPA ID Number CA0981982663		B. State Generator's ID 91718094		
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID 21291		
9. Designated Facility Name and Site Address Envirosafe Services of Idaho, Inc. 10 1/2 miles NW of Grandview Missile Base Road Grandview, Idaho 83624		10. US EPA ID Number T D 1010713111415H		D. Transporter's Phone 707-745-8907		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. "RQ" Hazardous Waste Solid, N.O.S., ORM-E NA9189 (Chrome contaminated debris)		12. Containers No. Type 001 BT	13. Total Quantity 001 BT	14. Unit W/Vol	1. Waste Number State: 101/352 EPA/Other: B007	
1. Additional Descriptions for Materials Listed Above a) 0 - 7200 ppm chrome on concrete & wood		K. Handling Codes for Wastes Listed Above a. 02 b. c. d.				
15. Special Handling Instructions and Additional Information <b>Wear gloves/goggles when handling</b> <b>ESII PCH No.: 12247-001</b>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <b>Steve A. Slade</b>		Signature <i>Steve A. Slade</i>		Month Day Year <b>015 10 13 19 12</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Kathleen R. Boyce</i>		Signature <i>Kathleen R. Boyce</i>		Month Day Year <b>11 08 10 4 19 12</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name <b>1</b>		Signature		Month Day Year		
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. Printed/Typed Name <b>Donna Pullen</b>		Signature <i>Donna Pullen</i>		Month Day Year <b>11 51 05 19 12</b>		

DO NOT WRITE BELOW THIS LINE.

42560

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. *C1A1D1G1G1151717121213*

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: **91718029**

B. State Generator's ID: **HJA111013161011216117**

C. State Transporter's ID: **209052**

D. Transporter's Phone: **707-745-8907**

E. State Transporter's ID: \_\_\_\_\_

F. Transporter's Phone: \_\_\_\_\_

G. State Facility's ID: \_\_\_\_\_

H. Facility's Phone: **(208) 394-1500**

3. Generator's Name and Mailing Address  
**Chromox**  
**1400 Park Avenue, Emeryville CA 94608**

4. Generator's Phone **510 852-5900** Emergency contact: **Steve Slade**

5. Transporter 1 Company Name  
**Eycel TRANS INC.**

6. US EPA ID Number  
**CAD981982663**

7. Transporter 2 Company Name  
 \_\_\_\_\_

8. US EPA ID Number  
 \_\_\_\_\_

9. Designated Facility Name and Site Address  
**Envirosafe Services of Idaho Inc.**  
**10 1/2 miles NW of Grandview**  
**Missile Base Road**

10. US EPA ID Number  
**1, D, D, 0, 7, 3, 1, 1, 4, 6, 5, 4**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit W/Vol	1. Waste Number
	No.	Type			
a. "RQ" Hazardous Waste Solid, H.O.S., ORN-B NA9189 (Chrom contaminated debris)	1	DT	17	Y	State: 181/352 EPA/Other: 0007
b.					State: _____ EPA/Other: _____
c.					State: _____ EPA/Other: _____
d.					State: _____ EPA/Other: _____

13. Additional Descriptions for Materials Listed Above

a) 0 - 7200 ppm chrom on concrete & wood

K. Handling Codes for Wastes Listed Above

a. *02* b. \_\_\_\_\_ c. \_\_\_\_\_ d. \_\_\_\_\_

15. Special Handling Instructions and Additional Information

Wear gloves/goggles when handling

EBII PCN No.: 12247-001

ERG phone # Steve A Slade  
415-255-8455

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Steve A Slade** Signature: *Steve A Slade* Month: **05** Day: **10** Year: **1995**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: **Christopher M Peterson** Signature: *Christopher M Peterson* Month: **05** Day: **19** Year: **95**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

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.

Printed/Typed Name: **Donna Pullen** Signature: *Donna Pullen* Month: **05** Day: **10** Year: **1995**

DO NOT WRITE BELOW THIS LINE.

Green: HAULER RETAIN

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802. WITHIN CALIFORNIA, CALL 1-800-852-7550

18 201 210

91718092  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7350  
 GENERATOR  
 TRANSPORTER  
 FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA 1 9 0 1 5 7 3 2 2 3		Manifest Document No. 1 18 10 19 12		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address <b>Chronex 1400 Park Avenue, Emeryville CA 94608</b>				A. State Manifest Document Number <b>91718092</b>		B. State Generator's ID <b>H B H C B E D I D E I D</b>					
4. Generator's Phone <b>510 652-5900 Emergency contact: Steve Slade</b>				C. State Transporter's ID <b>525 7711</b>		D. Transporter's Phone <b>707-7458907</b>					
5. Transporter 1 Company Name <b>EXCEL TRANS INC</b>		6. US EPA ID Number <b>CA 0 9 8 1 9 8 2 6 6 3</b>		E. State Transporter's ID <b>1 1 1 1 1 1 1 1 1 1</b>		F. Transporter's Phone <b>1 1 1 1 1 1 1 1 1 1</b>					
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID <b>1 1 1 1 1 1 1 1 1 1</b>		H. Facility's Phone <b>(206) 384-1500</b>					
9. Designated Facility Name and Site Address <b>Envirosafe Services of Idaho, Inc. 10 1/2 miles NW of Grandview Missile Base Road Grandview Idaho 83624</b>				10. US EPA ID Number <b>1 1 0 1 0 1 7 1 3 1 1 1 4 1 6 1 5 1 4</b>		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
11. Description of Material (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit		15. Waste Number	
a. "RQ" Hazardous Waste Solid, N.O.S., ORM-E NA9189 (Chrome contaminated debris)				12. Containers 1 7 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		13. Total Quantity		14. Unit		15. Waste Number State: <b>181/352</b> EPA/Other: <b>D007</b>	
b.				12. Containers		13. Total Quantity		14. Unit		15. Waste Number	
c.				12. Containers		13. Total Quantity		14. Unit		15. Waste Number	
d.				12. Containers		13. Total Quantity		14. Unit		15. Waste Number	
16. Additional Descriptions for Materials Listed Above a) 0 - 7200 ppm chrome on concrete & wood						17. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information <b>Wear gloves/goggles when handling</b> <b>ESII PCN No.: 12247-001</b>						<b>EMERGENCY CONTACT</b> <b>STEVE A SLADE 415-255-8433</b>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name <b>Steve H. Slade</b>				Signature <i>Steve H. Slade</i>				Month Day Year <b>015 10 15 19 12</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Bill Buchanan</b>				Signature <i>Bill Buchanan</i>				Month Day Year <b>05 10 5 9 3</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year <b>1 1 1 1 1 1 1 1 1 1</b>			
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. Printed/Typed Name <b>SARA REESE</b>				Signature <i>Sara Reese</i>				Month Day Year <b>10 12 17 12</b>			

DO NOT WRITE BELOW THIS LINE.

49240

91748020  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA101910115171312131313101310		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Chromex</b> 1400 Park Avenue, Emeryville CA 94608 Generator's Phone: 510-652-5400 Emergency contact: Steve Slade						A. State Manifest Document Number 91718030							
4. Generator's Phone						B. State Generator's ID H A H O B 6 0 1 9 6 1 1 7							
5. Transporter 1 Company Name <b>Excel Trans Inc.</b>						C. State Transporter's ID 204052							
6. Transporter 1 US EPA ID Number CA101918114217663						D. Transporter's Phone 707-745-8907							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. Transporter 2 US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address <b>Envirosafe Services of Idaho, Inc.</b> 1.0 1/2 miles NW of Grandview (Missile Base Road Grandview, Idaho 83624						10. US EPA ID Number ID10101713111111111111							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol			
a. "RQ" Hazardous Waste Solid, N.O.S., OR4-E WA9189 (Chrome contaminated debris)						No.		Type		1. Waste Number			
								1 DT		17 Y		State 161/352	
												EPA/Other D007	
												State	
												EPA/Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a) 0 - 7200 ppm chrome on concrete & wood						a		b					
15. Special Handling Instructions and Additional Information Near gloves/goggles when handling EPII PCN No.: 12247-001 Emergency contact - Steve A Slade 415-255-8433													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/typed Name			Signature			Month			Day Year				
Steve A Slade			Steve A Slade			05			6 19 02				
17. Transporter 1 Acknowledgment of Receipt of Materials													
Printed/typed Name			Signature			Month			Day Year				
Terry Ellingson			Terry Ellingson			05			10 19 02				
18. Transporter 2 Acknowledgment of Receipt of Materials													
Printed/typed Name			Signature			Month			Day Year				
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.													
Printed/typed Name			Signature			Month			Day Year				
Donna Pullen			Donna Pullen			09			10 19 02				

DO NOT WRITE BELOW THIS LINE.

Green: HAULER RETAINS

91746474  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>Chromex</b> 1400 Park Avenue, Marysville CA 94008		A. State Manifest Document Number <b>91716474</b>		B. State Generator's ID	
4. Generator's Phone (510) 652-5900 Emergency contact: Steve Slade		C. State Transporter's ID <b>215311</b>		D. Transporter's Phone <b>(707) 745-8907</b>	
5. Transporter 1 Company Name <b>Excel Trans Inc.</b>		6. US EPA ID Number <b>CAD981191821663</b>		E. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility name and Site Address <b>EnviroSAFE Services of Idaho, Inc</b> 10 1/2 miles NW of Grandview Missile Base Road		10. US EPA ID Number		G. State Facility's ID	
Grandview, Idaho 83624		H. Facility's Phone <b>(208) 754-1800</b>		12. Containers	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		No.		13. Total Quantity	
		Type		14. Unit Wt/Vol	
a. "RQ" Hazardous Waste Solid, R.O.S., ORM-E SA9189 (Chromex contaminated debris)		0,01 DT		118 Y	
b.					
c.					
d.					
13. Additional Descriptions for Materials Listed Above		a.		b.	
		c.		d.	
a) 0 - 7200 ppm chromex on concrete & wood					
15. Special Handling Instructions and Additional Information Wear gloves/goggles when handling  EHSI PCN No.: 12247-601					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
[Signature]		[Signature]		11 1 11	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
[Signature]		[Signature]		11 15 10 6 11 11	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
[Signature]		[Signature]		11 1 1 1 1 1	
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.					
Printed/Typed Name		Signature		Month Day Year	
[Signature]		[Signature]		11 1 1 1 1 1	

DO NOT WRITE BELOW THIS LINE.

Green: HAULER RETAIN



91749096  
GENERATOR  
TRANSPORTER  
FACILITY  
IN CASE OF EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER AT 1-800-424-9302. WATERWAY EMERGENCY CALL 1-800-527-5550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA D9811571312013</b>		Manifest Document No. <b>118101816</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>CHROMEX 1100 PARK AVENUE, EMERYVILLE CA 94608 Generator's Phone (510) 582-5500 EMERGENCY CONTACT (415) 255-8433</b>				A. State Manifest Document Number <b>91718086</b>		B. State generator's ID <b>HA4W036012617</b>		C. State Transporter's ID <b>700822181</b>	
5. Transporter's Company Name <b>TRIDENT INC.</b>		6. US EPA ID Number <b>CA D982484370</b>		D. Transporter's Phone <b>(510) 783-2881</b>		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address <b>ENVIRONMENTAL SERVICES OF TRIDENT INC. 10 MILES NW OF GRANDVIEW IN THE MOUNTAIN VIEW TOWN</b>				10. US EPA ID Number		G. State Facility's ID		H. Facility's Phone <b>(908) 384-1500</b>	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>RG HAZARDOUS WASTE U.S. ORG-6 NA 9189 (CHROME CONTAMINATED REBAR) 20100016 Y</b>				12. Containers		13. Total		14. Unit	
				No.		Quantity		W/Vol	
								State <b>181/352</b>	
								EPA/Other <b>0007</b>	
								State	
								EPA/Other	
								State	
								EPA/Other	
15. Special Handling, Restrictions, and Additional Information <b>DEAR GLOVES 1999 GLOVES WHEN HANDLING EST. PHONE NO 12247-001 EMERGENCY CONTACT (415) 255-8433</b>				K. Handling Codes for Wastes Listed Above					
				a		b		c	
				03					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. I am a large quantity generator and certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <b>A. Sade</b>				Signature <i>A. Sade</i>				Month Day Year <b>015 06 19 8</b>	
17. Transporter's Acknowledgement of Receipt of Materials Printed/Typed Name <b>Tom Pilkington</b>				Signature <i>Tom Pilkington</i>				Month Day Year <b>015 06 02</b>	
18. Transporter's Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy/Indication Space <b>73 201 10 20 3 TONS UNLAD TO SLURRY SLUDGE ON 5/7/92</b>									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>S. Reese</b>									
Printed/Typed Name				Signature <i>S. Reese</i>				Month Day Year <b>015 06 17 8</b>	

DO NOT WRITE BELOW THIS LINE.

REC'D AIR 2/11/93 42220

See Instructions on back of page 6.

91716475  
 GENERATOR  
 TRANSPORTER  
 FACILITY  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER, 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-662-7555.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A D 9 8 1 5 7 3 2 2 3	Manifest Document No. 1 6 4 7 5	2. Page 1 of 1	3. Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>Chromex</b> 1400 Park Avenue, Emeryville CA 94608			A. State Manifest Document Number <b>91716475</b>		
4. Generator's Phone <b>610 652-5900</b> Emergency contact: <b>Steve Slade</b>			B. State Generator's ID H.A.H.036012617		
5. Transporter 1 Company Name <b>STAMCO</b>	6. US EPA ID Number P A D D 6 3 5 4 7 9 9 6		C. State Transporter's ID		
7. Transporter 2 Company Name	8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address <b>EnviroSAFE Services of Idaho, Inc</b> 10 1/2 miles NW of Grandview Missile Base Road Grandview, Idaho 83024			10. US EPA ID Number I D D 0 7 3 1 1 4 6 5 4		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total	14. Unit
			No.	Type	Quantity
a. "RO" Hazardous Waste Solid, H.O.S., ORM-E NA9189 (Chrome contaminated debris)			001	DT	18 Y
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above		
a) 0 - 7200 ppm chrome on concrete & wood			a.	b.	
			c.	d.	
15. Special Handling Instructions and Additional Information Wear gloves/goggles when handling  ESII PCN No.: 12247-001					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name <b>Steve A. Slade</b>		Signature <i>Steve A. Slade</i>		Month Day Year <b>05 10 1992</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>MARVIN COWDREY</b>		Signature <i>Marvin Cowdrey</i>		Month Day Year <b>05 10 1992</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
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.					
Printed/Typed Name <b>Francis Labrie</b>		Signature <i>Francis Labrie</i>		Month Day Year <b>05 10 1992</b>	

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAD9815732231</b>		Manifest Document No. <b>18089</b>		2. Page 1 <b>of 1</b>		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Chromex 1400 Park Ave., Emeryville CA 94608</b>						A. State Manifest Document Number <b>91718089</b>			
4. Generator's Phone <b>510 652-5900</b> Emer. Contact: <b>Steve Slade</b>						B. State Generator's ID <b>HAHQ36012617</b>			
5. Transporter 1 Company Name <b>STAMCO</b>			6. US EPA ID Number <b>CADD63547996</b>			C. State Transporter's ID <b>304506</b>			
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone <b>1-800-321-1030</b>			
9. Designated Facility Name and Site Address <b>Bayprosafe Services of Idaho 80 1/2 miles NW of Grandview Missile Base Road Grandview, Idaho 83634</b>			10. US EPA ID Number <b>IDD073114654</b>			E. State Facility's ID			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste Number
a. <b>RQ, Hazardous Waste Solid, N.O.S., ORM-E NA9189 (Chrom contaminated debris)</b>			001 DIT 010018 Y						State <b>181/352</b>
									EPA/Other <b>D007</b>
									State
									EPA/Other
									State
3. Additional Descriptions for Materials Listed Above <b>0.0-7200 ppm chrome on concrete and wood</b>			K. Handling Codes for Wastes Listed Above						
			a. <b>03</b>		b.		c.		d.
15. Special Handling Instructions and Additional Information <b>Wear gloves/goggles when handling ES&amp;E PCN No: 12247-001 tag # 060544</b>									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <b>Steve A Slade</b>			Signature <i>Steve A Slade</i>				Month Day Year <b>0510161912</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>DAN ROSE</b>			Signature <i>Dan Rose</i>				Month Day Year <b>0510161912</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature				Month Day Year		
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.									
Printed/Typed Name <b>Donna Pullen</b>			Signature <i>Donna Pullen</i>				Month Day Year <b>0510171912</b>		

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDf SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7850

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A D 9 8 1 5 7 3 2 2 3		Manifest Document No. 1 8 0 9 0		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address <b>Chromax</b> 1400 Park Avenue, Emeryville CA 94608				A. State Manifest Document Number <b>91718090</b>		B. State Generator's ID <b>HAHQ36012617</b>					
4. Generator's Phone (510) 652-3900 Emergency contact: Steve Slade				C. State Transporter's ID <b>213231</b>		D. Transporter's Phone <b>800-321-1030</b>					
6. Transporter 1 Company Name <b>STAMCO</b>		6. US EPA ID Number <b>CAD063547996</b>		E. State Transporter's ID		F. Transporter's Phone					
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID		H. Facility's Phone <b>(208) 384-1500</b>					
9. Designated Facility Name and Site Address <b>Environmental Services of Idaho, Inc.</b> 10 1/2 miles NW of Grandview Missile Base Road Grandview, Idaho 83624				10. US EPA ID Number <b>I D D 0 7 3 1 1 4 6 5 4</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit W/Vol		15. Waste Number	
				No. Type		Quantity		W/Vol		State EPA/Other	
a. "RQ" Hazardous Waste Solid, H.O.S., ORM-I HA9189 (Chrome contaminated debris)				001 DT		20 Y				State EPA/Other <b>181/352 D007</b>	
b.										State EPA/Other	
c.										State EPA/Other	
d.										State EPA/Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above					
a) 0 - 7200 ppm chrome on concrete & wood						a.		b.		c.	
15. Special Handling Instructions and Additional Information											
Wear gloves/goggles when handling											
RSIX PCN No.: 12247-001											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.											
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name <b>Steve A. Slade</b>			Signature <i>Steve A. Slade</i>			Month Day Year <b>0151061712</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>RANDALL BENTLEY</b>			Signature <i>Randall Bentley</i>			Month Day Year <b>0151061712</b>					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature			Month Day Year					
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.											
Printed/Typed Name			Signature			Month Day Year					

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C1A1D931573223		Manifest Document No. 15473		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address CHROSIX 1400 Park Avenue, Emeryville CA 94608						A. State Manifest Document Number 91716473											
4. Generator's Phone (510) 652-8907 Emergency contact: Steve Slade						B. State Generator's ID H1A1H036012617											
5. Transporter 1 Company Name EXPEL TRANS INC.			6. US EPA ID Number 2A1921982663			C. State Transporter's ID 24333											
7. Transporter 2 Company Name			8. US EPA ID Number 			D. Transporter's Phone 707-7458401											
9. Designated Facility Name and Site Address EnviroSAFE Services of Idaho, Inc 104 miles SW of Grandview Missile Base Road GRANDVIEW, IDAHO 83624			10. US EPA ID Number I1D1D73114654			E. State Transporter's ID											
						F. Transporter's Phone											
						G. State Facility's ID 											
						H. Facility's Phone (209) 384-1500											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number					
						No.		Type						State		EPA/Other	
a. "RQ" Hazardous Waste Solid, N.O.S., OR01-E NA5189 (Chrome contaminated debris)						002CM		25		Y		191/352 D007					
b.												State EPA/Other					
c.												State EPA/Other					
d.												State EPA/Other					
16. Additional Descriptions for Materials Listed Above a) 0 - 7200 ppp chrome on concrete & wood						K. Handling Codes for Wastes Listed Above											
						a.		b.									
						c.		d.									
15. Special Handling Instructions and Additional Information Wear GLOVES/goggles when handling EPII PCB No. 1 12247-001						EMERGENCY CONTACT STEVE A SLADE 415-255-8433											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Steve Slade			Signature <i>Steve Slade</i>			Month 11			Day 11			Year 1992					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name J. Slade			Signature <i>J. Slade</i>			Month 11			Day 11			Year 1992					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature			Month			Day			Year					
19. Discrepancy Indication Space <i>None</i>																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Steve Slade										Signature <i>Steve Slade</i>		Month 11		Day 11		Year 1992	

DO NOT WRITE BELOW THIS LINE.

OAKLAND SCAVENGER CONTAINER DIV  
A WASTE MANAGEMENT COMPANY  
767 OAKPORT ST #350  
OAKLAND, CA. 94621

(510)430-8194

ACCOUNT NUMBER 351545	ROUTE 70-0
DATE 5/01/92	

PAGE 1 OF 1

THE CHARLES LOWE CO  
P O BOX 8445  
EMERYVILLE, CA 94608

SERVICE AT:  
1400 PARK AV  
EMERYVILLE, CA 94608

BILL NUMBER	DATE	DESCRIPTION	AMOUNT
		<b>REMINDER-PAST DUE</b>	
		PREVIOUS BALANCE	868.95
	4/13/92	PAYMENT-THANK YOU	289.65CR
	4/13/92	PAYMENT-THANK YOU	289.65CR
454359	5/01/92	APR 1992	275.75
1454359	5/01/92	LOCAL AND STATE MANDATED FEES	13.90

**PAYMENT COPY**  
INVOICE RECEIVED  
MAY 14 1992  
Approved OKS Date 05-14-92  
P.O. No. \_\_\_\_\_

TOTAL DUE \$ 579.30

JUST A FRIENDLY REMINDER THAT AS OF 04/24/92, WE HAD NOT RECEIVED YOUR PAYMENT.  
IF YOU HAVE ALREADY MAILED YOUR PAYMENT, KINDLY DISREGARD THIS MESSAGE. WE WILL  
NOT BE HELD RESPONSIBLE FOR ARTICLES PLACED IN OR NEAR THE RECEPTACLES.

DELIVERY RECEIPT

DATE 9/5/92 NO. 0577

FROM Major Salvage Co.

TO Charles Lowe Co. YOUR ORDER

ADDRESS 1400 park ave CITY emeryville

PACKAGES	RECEIVED IN APPARENT GOOD ORDER	WEIGHT
----------	---------------------------------	--------

<u>44</u>		
-----------	--	--

<u>20 yds of Roofing Material removed</u>		
---	--	--

<u>175<sup>00</sup> Plus dump fees</u>		
--	--	--

<small>REDIFORM</small> 6L615	RECEIVED BY <u>San Ferreira</u>	TOTAL PACKAGES	TOTAL WEIGHT
		C. O. D. CHARGE	DELIVERY CHARGE

Chromate field test  
on Copper bus bars  
tests after steaming

#	PH	Oxidizer	Chromate
#1	7	NA	5
#2	7	NA	4
#3	7	NA	4
#4	7	NA	5
#5	7	NA	3

Before steam steaming  
copper bus bars  
were 30 PPM chromate  
P.H. was 3-6 oxidizer NA



18 TUESDAY JUNE

1991  
169/195

PRESSURE WASHED TANK SECTIONS  
SAMPLE, (FIELD TESTS)

#1 Chromate 37ppm  
PH ?  
Oxidizer NA

#2 Chromate 0ppm  
PH ?  
Oxidizer NA

#3 Chromate 5ppm  
PH ?  
Oxidizer NA

#4 Chromate 5ppm  
PH ?  
Oxidizer NA

#5 Chromate 3ppm  
PH ?  
Oxidizer NA

Drager air sampling  
in area of cement  
removal from pit

0.1 mg.

JUNE WEDNESDAY 19

1991  
170/195

Pressure washed Tank  
section field tests

Sample #1 Chromate 57ppm  
PH ?  
Oxidizer NA

#2 Chromate 37ppm  
PH ?  
Oxidizer NA

#3 Chromate 37ppm  
PH ?  
Oxidizer NA

#4 Chromate 37ppm  
PH ?  
Oxidizer NA

Drager air sampling  
in area of pressure  
washing of tank  
sections 0 mg.

Lead plating tank rods  
Field Tests

- #1 Chromate 60 PPM Oxidizer NA  
PH 7
- #2 Chromate 60 PPM Oxidizer NA  
PH 7
- #3 Chromate 30 PPM Oxidizer NA  
PH 7
- #4 Chromate 60 PPM Oxidizer NA  
PH 7
- #5 Chromate 60 PPM Oxidizer NA  
PH 7

scrapped lead rods in  
Hazard waste bin. this day  
Chromate  
Elec. pipe ppm 30-100 ppm  
Field tested Oxidizer NA PH 7  
loaded into Hazard waste bin  
this day.

Copper bus bar scraps  
metal 3 PPM Oxidizer NA  
PH 7

Snag metal loaded into  
bins

Drager air sample  
from pressure washing  
area. 0.1 mg

Chromate field tests  
tank stands

#1 Chromate traces  
PH 7  
oxidizer NA

#2 Chromate trace  
PH 7  
oxidizer NA

#3 Chromate 3 PPM  
PH 7  
oxidizer NA

#4 Chromate 5 PPM  
PH 7  
oxidizer NA

Drager air sample  
from cement removal  
area 0.1 mg

Pair field testes  
on wood loaded  
in bag waste Bin

Drag

#1 Chromate

100+ PPM

PH 7 Oxidizer NA.

#2

Chromate 100+ PPM

PH 8 Oxidizer NA.

#3

Chromate 60+ PPM

PH 7 Oxidizer

#4

Chromate 100+ PPM

PH 7 Oxidizer

field test of pipe  
& ducting labeled

#1 Chromate 100+ PPM

PH 7 Oxidizer NA

#2 Chromate 100+ PPM

PH 7 Oxidizer NA

#3 Chromate 100+ PPM

PH 7 Oxidizer NA

28 FEB. FRI 1992

2091156

2101155

MARCH 3 TUE 1992

LOADED ROOF DECKING  
INTO CLASS 3 BIN  
AROUND 35 SHEETS

### CHROMATE FIELD TESTS

#1 CHROMATE 0  
OXIDIZER NA  
PH 7

#2 CHROMATE 0  
OXIDIZER NA  
PH 7

#3 CHROMATE 3 PPM  
OX NA  
PH 7

#4 CHROMATE 0  
OX NA  
PH 7

#5 CHROMATE 0  
OX NA  
PH 7

#6 CHROMATE 0  
OX NA  
PH 7

LOADED ROOF DECKING  
INTO CLASS 3 BIN WITH  
ROOFING PAPER & GRAVEL  
AROUND 40 SHEETS

### CHROMATE FIELD TESTS

#1 CHROMATE 0  
OXIDIZER NA  
PH 7

#2 CHROMATE 3  
OXIDIZER NA  
PH 8

#3 CHROMATE 3  
OXIDIZER NA  
PH 7

#4 CHROMATE 0  
OXIDIZER NA  
PH 7

#5 CHROMATE 0  
OXIDIZER NA  
PH 7

#6 CHROMATE 0  
OXIDIZER NA  
PH 7

MARCH 4 WED 1992

1991  
212/153

JULY WEDNESDAY 31

LOADED ROOF DECKING INTO  
CLASS 3 BIN WITH ROOFING  
PAPER + GRAVEL AROUND  
40 SHEETS OF DECKING  
CHROMATE FIELD TEST

#1 CHROMATE 3  
OXIDIZER NA  
PH 7

#2 CHROMATE 3  
OXIDIZER NA  
PH. 7

#3 CHROMATE 0  
OXIDIZER NA  
PH. 7

#4 CHROMATE 3  
OXIDIZER NA  
PH 7

#5 CHROMATE 0  
OXIDIZER NA  
PH. 7

#6 CHROMATE 0  
OXIDIZER NA  
PH. 7

#7 CHROMATE 0  
OXIDIZER NA  
PH. 7

#8 CHROMATE 3  
OXIDIZER NA  
PH 7





ERICKSON  
 3033 Richmond Parkway, Suite 300, Richmond, CA 94806  
 (415) 262-1500 • FAX (415) 758-8643

**ERICKSON Analytical**

Certificate of Analysis

Toxicity Characteristic Leaching Procedure  
 Chromium EPA Method # 6010

Erickson W.O. :	80500	Date Prepared :	05/21/91
Matrix :	Wood/ Debris	Date Analyzed :	05/22/91
Date Sampled :	05/21/91	Date Reported :	05/24/91
Project Number:	N/A	Instrument I.D. :	ICP1

Element	EPA Method#	Reporting Limit ( mg/L)	Sample ID # Siding
-1-			
Chromium (Cr)	6010	1.00	1740

Sample and Blank Extracted by EPA Method 1311 (TCLP).

Analyst

*Sarg Dhillon*





**EXCELTRANS**

P.O.# 92-10530  
CHAIN OF CUSTODY RECORD

PROJECT NAME  
CHROMEX

COLLECTORS (Signature)

*[Signature]*

SAMPLE	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	MEDIA	ANALYSES REQ'D			DETECTION LIMIT	TURN-AROUND TIME	SUSPECTED CONTAMINANT
							CHROME	COPPER	TCLP for CANCE			
1ST			✓		GLASS RINSE		X	X			Req TAT.	
EST			✓		GLASS RINSE		X	X				
1ST DEST			✓		BRICK WALL			X				

Inquired by: (Signature) <i>[Signature]</i>	Date / Time 9-10 251	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Inquired by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Inquired by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date / Time 9/10/92 2:51 PM	Remarks Req TAT	

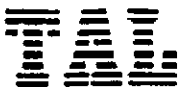
*for TAT*

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



September 24, 1992

Ms. Mary Boyd  
Excel Trans, Inc.  
P.O. Box 866  
Benicia, California 94510-0866

Dear Ms. Boyd:

Trace Analysis Laboratory received one solid sample and two water samples on September 10, 1992 for your project, Chromex (our custody log number 2475).

These samples were analyzed according to your chain of custody. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in cursive script, appearing to read 'Jennifer Rekol', written in dark ink.

Jennifer Rekol  
Project Specialist

Enclosures

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



LOG NUMBER: 2475  
DATE SAMPLED: 09/10/92  
DATE RECEIVED: 09/10/92  
DATE EXTRACTED: 09/15/92 and 09/17/92  
DATE ANALYZED: 09/17/92  
DATE REPORTED: 09/24/92

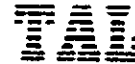
CUSTOMER: Excel Trans, Inc.  
REQUESTER: Mary Boyd  
PROJECT: Chromex

Toxicity Characteristic  
Leaching Procedure  
Sample Type: Extract of Solid

Method and Constituent:	Units	East and West		Method Blank		QC Summary	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
EPA Method 7190:							
Chromium	ug/l	1,800	50	ND	50	105	*
Chromium Recovery Correct	ug/l	1,700					
EPA Method 7210:							
Copper	ug/l	ND	200	ND	200	102	0.0

Concentrations reported as ND were not detected at or above the reporting limit.

The RPD is not reportable since the sample prepared in duplicate was not detectable.



LOG NUMBER: 2475  
 DATE SAMPLED: 09/10/92  
 DATE RECEIVED: 09/10/92  
 DATE EXTRACTED: 09/16/92  
 DATE ANALYZED: 09/17/92  
 DATE REPORTED: 09/24/92  
 PAGE: Two

Sample Type: Water

Method and Constituent:	Units	East		West		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 7190: Chromium	ug/l	500	50	160	50	ND	50
EPA Method 7210: Copper	ug/l	ND	200	ND	200	ND	200

Method and Constituent:	Units	QC Summary	
		% Recovery	% RPD
EPA Method 7190: Chromium	ug/l	104	*
EPA Method 7210: Copper	ug/l	107	*

Concentrations reported as ND were not detected at or above the reporting limit.

\* The RPD is not reportable since the sample prepared in duplicate was not detectable.

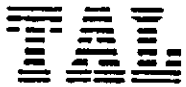
Louis W. DuPuis  
 Quality Assurance/Quality Control Manager

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



CHAIN OF CUSTODY RECORD

1965

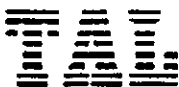
Proj.No. 022011		Project Name CHARLES LOWE/CHROMEX		No. of Con- tainers	Analyses: <i>TO TAL CHROMEX</i>	REMARKS
Company Name and Address: EXCEL TRADS 290 W CHANNEL RD. BENICIA						
Project Manager: PAT KELLY						
Sample ID	Date	Time	Site Location			
022011 #1	4.3	3.12	1400 PARK AVE. EMERYVILLE	1		
Sampled by: (signature) <i>K STONE STREET</i>		Date/Time 4.3 3.12	Relinquished by: (signature) <i>Patrick Kelly</i>		Date/Time 4.3 3.20	
Received by: (signature) <i>Jennette B. Inft TAL</i>		Date/Time 4/3/92 3.20	Relinquished by: (signature)		Date/Time	
Received for Laboratory by: (signature)			Date/Time	TURNAROUND TIME 2 day TAT		
REMARKS						

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



April 7, 1992

Mr. Patrick Kelly  
Excel Trans, Inc.  
P.O. Box 866  
Benicia, California 94510-0866

Dear Mr. Kelly:

Trace Analysis Laboratory received one solid sample on April 3, 1992 for your Project No. 022011, Charles Lowe/Chromex (our custody log number 1965).

This sample was analyzed for Chromium. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in cursive script that reads 'Jennifer Pekol'. The signature is written in dark ink and is positioned above the typed name.

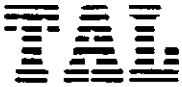
Jennifer Pekol  
Project Specialist

Enclosures

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



LOG NUMBER: 1965  
DATE SAMPLED: 04/03/92  
DATE RECEIVED: 04/03/92  
DATE EXTRACTED: 04/06/92  
DATE ANALYZED: 04/07/92  
DATE REPORTED: 04/07/92

CUSTOMER: Excel Trans, Inc.  
REQUESTER: Patrick Kelly  
PROJECT: No. 022011, Charles Lowe/Chromex

Sample Type: Solid

022011

#1

Method Blank

QC Summary

Method and  
Constituent:


Units	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
-------	--------------------	--------------------	--------------------	--------------------	---------------	----------

EPA Method 7190:

Chromium

ug/kg	7,200,000	1,200	ND	1,200	82	0.8
-------	-----------	-------	----	-------	----	-----

Concentrations reported as ND were not detected at or above the reporting limit.

  
Louis W. DuPuis  
Quality Assurance/Quality Control Manager